

# Software Catalog 1979

**Honeywell**

# Software Catalog

**DATE:** January 1979

**ORDER NUMBER:** AW15, Rev. 3

# Preface

This document is a complete revision to and supersedes the 1978 Honeywell Software Catalog and its supplement. The catalog is divided into six hardware product line sections. The hardware product lines in each section are:

- Section 1 — Series 50, Series 100, Series 60 Level 61
- Section 2 — Series 60 Level 62
- Section 3 — Series 1600, Series 200/2000, Series 60 Level 64
- Section 4 — Series 600/6000, Series 60 Level 66
- Section 5 — Series 16, Series 60 Level 6
- Section 6 — Series 60 Level 68
- Section 7 — Xerox PAL Products

The Table of Contents preceding each section is a complete index of all products listed in that section. Each product is listed under a specific industry or special group. Many products can be used by more than one industry; for example, the payroll system can be used by all industries. When reviewing the Table of Contents for a product, refer to other industry listings as well.

## APPLICATION DESIGNATIONS

Every application listed is marked with a designator that indicates whether the product is Honeywell Developed Application (HDA), Honeywell Developed Software (HDS), Field Developed Application (FDA), User Developed Application (UDA), License (LIC), User Library (UL), Application Reference Index (ARI), or Referral.

## HONEYWELL DEVELOPED SOFTWARE (HDS) AND HONEYWELL DEVELOPED APPLICATIONS (HDA)

Honeywell Information Systems has developed applications and software to support its products through comprehensive test procedures. Many products have maintenance, documentation, and training to go along with the package. Other products are vintage offerings that were once supported, have proven themselves over the long haul and support is no longer offered. Normally, they have documentation and sometimes training is offered.

## USER DEVELOPED APPLICATIONS (UDA) AND FIELD DEVELOPED APPLICATIONS (FDA)

User Developed Applications, as the name implies, are applications developed by Honeywell customers; FDAs were developed by Honeywell systems personnel. The documentation and software are quality-assured by home office. Limited program maintenance is offered, and in some cases training at the branch level is also offered as part of a services contract.

## REFERRALS

Referred products are built and licensed or sold outside of Honeywell. They are referred by Honeywell and must be ordered directly from the supplier.

## LICENSE (LIC)

These products were developed by a vendor and Honeywell has obtained an exclusive license to market these to its customers.

## USER LIBRARY (UL)

Products in the User Library has been contributed by users and Honeywell employees. Usually they are programmed solutions to specific problems or situations. Because they have been specialized for use by the contributor, they may require modification for use by others. Training and maintenance are not available. Copies of these programs and supporting documentation (if available) will be provided upon request.

## APPLICATION REFERENCE INDEX (ARI)

ARI is a program initiated by Honeywell to link application supply and demand. Developers are given the opportunity to submit a description of their product. Honeywell lists submissions in this Software Catalog. Inquiries are made through Honeywell, who then informs the supplier of the interested prospect. All negotiations are conducted independently of Honeywell. If there is a sale or rental, Honeywell is entitled to an agreed upon finder's fee. Software packages offered free of charge are handled free of charge through ARI.

Honeywell serves to connect seller and buyer through the ARI listing. Honeywell does not offer warranties related to these products or guarantee the accuracy of descriptions furnished by the suppliers. Interested parties are advised to take all the steps necessary to determine that products function as described and do so reliably. In all cases, Honeywell is acting as a finder, not as an agent for either party. Prices of ARI products are set by the supplier and should be confirmed on inquiry.

## DOCUMENTATION

The order number of documents listed in this catalog appears in parentheses following the document type. The documentation listing for Honeywell products in this catalog may not include all the recent additions. For a complete listing of Honeywell publications, refer to the *Honeywell Publications Catalog*, Order No. AB81.

## ORDERING INFORMATION

Contact your local Honeywell Marketing Representative for prices and information on the following products:

- Honeywell Developed Applications (HDA)
- Honeywell Developed Software (HDS)
- Field Developed Applications (FDA)
- User Developed Applications (UDA)
- License (LIC)

Prices and information on referrals can be obtained by contacting the Honeywell manager designated under the Ordering Procedure section of each product description.

Inquires for most ARIs can be made by contacting Honeywell's ARI Support Group, 200 Smith Street, Waltham, MA 02154 MS484; Telephone (617) 890-8400, Ext. 2825.

Products marked UL (User Library) are distributed in the manner noted under the Ordering Procedure.

The order number of products listed in this catalog appears in parentheses in the Shipping Medium section.

#### **MARKETING YOUR APPLICATIONS THROUGH ARI**

ARI is a unique program. It offers users who have developed programs and applications an opportunity to recover the cost of their investment. Many users are already experiencing both personal and financial rewards by sharing their programs with others through ARI. Purchasers of these products also benefit by obtaining reduced development costs, timely results and time-tested products. Honeywell benefits by having the applications needed to better satisfy its customers.

The appendix describes the procedure for listing your applications with the ARI program.

#### **ARI ONLINE**

To further assist users, ARI's Matchmaker Program has been placed online via DATANETWORK. Users with terminals can dial in with their ID number and password and give the command: N00268/ARI. The system will then give instructions for use. This allows users to remain up-to-date on ARI offerings, particularly those made available since this publication was issued.

#### **DATANETWORK SERVICE**

Honeywell's DATANETWORK Service Library is organized to provide the DATANETWORK Service user

with accurate up-to-date information as quickly as possible. Information in the library includes:

- Time sharing applications
- Remote batch applications
- Saving and restoring files
- Customer service functions

All information on DATANETWORK is available from headquarters in Minneapolis (612) 335-6000 or HVN 541-6000. The *DATANETWORK Service Program Library and Reference Guide* (AJ01) is available from the Publications Distribution Center, 40 Guest Street, Brighton, MA 02135.

Programs in the time-sharing application library are fully documented in the four-volume Series 60 (Level 66)/6000 *Time-Sharing Applications Library Guide* (DA43, DA44, DA45, DA46). The application programs available are explained in Section 4 of the Software Catalog.

#### **Note:**

The information in this catalog is effective as of January 1979 and is subject to change without notice. Program products may also be withdrawn from availability without notice.

The program descriptions in this catalog were submitted from a variety of sources. Although the descriptions of the programs have been verified to the extent possible, Honeywell does not assume responsibility for any errors.

We welcome your suggestions for improving this catalog. For your convenience, we have added a publications remarks form at the end of the catalog. Please use this form to express your suggestions for changes and improvements to this publication. However, do not use this form for ordering products (see the Ordering Procedure section).



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# **Section 1**

**SERIES 60 LEVEL 61**

**SERIES 50**

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**SECTION 1**  
**SERIES 60 LEVEL 61, SERIES 50, SERIES 100**  
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# Section 1

## SERIES 60 LEVEL 61

### SERIES 50

### SERIES 100

#### FINANCIAL MANAGEMENT

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#### ACCOUNTS PAYABLE (5K) HDA

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**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Payable (5K) system is a disk-oriented application solution. The Accounts Payable System enters invoices, debit memos, prepaid checks, check releases, and vendor update information. Payments are processed from invoice and debit memo items. Vendor checks are issued, listed on the check register, and distributed. Output includes checks, an invoice register, a cash requirements report, a check register, a distribution report, aging, and a check reconciliation report. Vendor statistics are automatically accumulated.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Card reader
- Two disk units
- 10-position display screen
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Product Brief (BK36)  
Implementation Guide (AC61)

**SHIPPING MEDIUM:** Cards (AAF6002)  
Demo Discopy (Available without a contract) (A1401)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. **NOTE:** This is an unsupported product.

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#### ACCOUNTS PAYABLE (10K) HDA

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**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Payable (10K) System maintains an accurate record of outstanding liabilities for a company and provides sufficient detail to maximize available discounts. It provides a forecast of the amount of short-term and long-term cash requirements, on demand, and statistical data on vendors. The system positively identifies invoices paid with each draft.

Accurate and unlimited expense distribution is provided as well as reconciliation of cancelled checks.

Partial payments are permitted and correctly recorded.

Features include:

- Modern cash management methods
- Standard discount and terms for each vendor
- Calculation of payment dates and discount
- Taxes and shipping fields
- Discounts taken automatically when due
- Record of discounts lost
- Statistics on invoices due, but not paid
- Aging
- Reinstatement of payable items if check is voided
- Factor processing
- Improved vendor statistical data
- Check print restart procedure
- Unlimited distribution of expense
- Interlaced with General Ledger System

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 10K bytes of memory
- 128-position printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL73)  
Financial Management Systems (AL70)  
Handbook (AW33)

**SHIPPING MEDIUM:** Discopy (AAF0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months

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#### ACCOUNTS PAYABLE ONLINE (10K) HDA

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**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Payable Online (10K) System enables a business to apply state of the art computing to its payables work. Inquiry into vendor master files is immediate. For example, the amount due can be quickly determined. Data entries are prepared without going through keypunch and input errors can be corrected before they get into the system. The operator is guided by prompting features flashed on the screen. Journals record all transaction input and a complete edit list is provided. The system takes maximum advantage of the efficient file organization capabilities of the Level 61 disk environment.

The System is a disk-oriented application solution. The Accounts Payable system enters invoices, debit memos, prepaid checks, check releases, and vendor update information. Payments are processed from invoice and debit memo items. Vendor checks are issued, listed on the check register, and distributed. Output includes checks, invoice register, a cash requirements report, a check register, a distribution report, aging, and a check reconciliation report. Vendor statistics are automatically accumulated.

Functionally, this system is comparable to the 5K system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 10K bytes of memory
- Card reader
- Mass storage subsystem

- 128-position printer
- Multiline controller
- One or more CRT terminals (CRT instructions are precoded. Check with Honeywell Marketing Representatives to ensure terminal compatibility).

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL73)  
Implementation Guide (AC61)

**SHIPPING MEDIUM:** Discopy (AAF6008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**ACCOUNTS RECEIVABLE (5K) HDA**

**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Receivable (5K) System supports both the open-item and the balance-forward modes of processing. The reporting capacity of the system includes, but is not limited to, customer statements, an aged trial balance, a cash receipts journal, an accounts receivable journal, a transaction register and a batch entry register, a daily sales analysis report, and a period sales analysis report.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Card reader
- Two disk units
- 10-position display screen
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Product Brief (BK36)  
Implementation Guide (AC60)

**SHIPPING MEDIUM:** Cards (AAF6001)  
Demo Discopy (available without a contract) (A1402)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. **NOTE:** This is an unsupported product.

**ACCOUNTS RECEIVABLE (10K) HDA**

**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Receivable (10K) System establishes and maintains an accurate history of customer billings and remittances. It provides sufficient detail and audit trails to answer customer inquiries and produce meaningful statements and aids the collection activity by highlighting, as early as possible, the potential problem areas and trends. Accounts Receivable monitors past-due accounts so the Credit Department can organize and plan collection strategy and also provides management documents in sufficient detail so that they can be used as control tools.

Features include:

- Address file containing "Bill To," "Sold To" and "Ship To" address
- Automatic calculation of due date and discount
- Statements suitable for retail store use
- Flexibility in service charge calculation

- Customer account flagged when allowable credit exceeded
- New and improved method of open-item cash application reducing open-item cash application work
- Automatic write-off of small discrepancies
- Balance-Forward and Open-Item options
- Automatic checking of discounts taken
- Service charges meet Truth-in-Lending requirements
- Credit and collection management aids
- Statistical data automatically maintained for each customer
- Flexible aging analysis, forward and backward aging
- Interfaced with General Ledger System

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 10K bytes
- 128-position printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL64)  
Financial Management System (AL70)  
Handbook

**SHIPPING MEDIUM:** Discopy (AAF0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**ACCOUNTS RECEIVABLE ONLINE (10K) HDA**

**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Receivable Online (10K) System enables a business to apply state of the art computing to its receivable work. Inquiry into customer master files is immediate. For example, the credit standing of a customer can be quickly determined. Data entries are prepared without going through keypunch and input errors can be corrected before they get into the system. The operator is guided by prompting features flashed on the screen. Journals record all transaction input and a complete edit list is provided. The system takes maximum advantage of the efficient file organization capabilities of the Level 61 disk environment.

The system supports both the open-item and the balance-forward modes of processing. The reporting capacity of the system includes, but is not limited to, customer statements, an aged trial balance, a cash receipts journal, an accounts receivable journal, a transaction register and a batch entry register, a daily sales analysis report and a period sales analysis report.

Functionally, this system is comparable to the 5K system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 10K bytes of memory
- Mass storage subsystem
- Card reader
- 128-position printer
- Multiline controller
- One or more CRT terminals (CRT instructions are precoded. Check with Honeywell Marketing Representatives to ensure terminal compatibility).

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL64)  
Implementation Guide (AC60)

**SHIPPING MEDIUM:** Discopy (AAF6007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**GENERAL LEDGER (10K)**

**HDA**

**DESCRIPTION:** The Series 60 Level 61/Series 50 General Ledger (10K) System consolidates all accounting information so that financial statements can be quickly prepared to assist in management decisions. Account numbers are validated and the closing cycle minimized. Operating and income statements can be provided at several operating levels and a Key Business Ratio report analyzes the Balance Sheet. Budget comparison is provided.

Features include:

- Interface with same series of Financial Management Systems
- Rapid closing at end of accounting period
- Immediate preparation of financial reports
- Multilevel income/operating statements
- Budget comparison
- Key Business Ratio Report
- Improved multilevel technique
- Automatic reversal of user-identified accruals
- Trial balance on demand
- Timely information for management decision
- User's own Chart of Accounts

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 10K bytes of memory
- 128-position printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL72)  
Financial Management Systems (AL70)  
Handbook (AZ60)

**SHIPPING MEDIUM:** Discopy (AAF0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**PAYROLL (5K)**

**HDA**

**DESCRIPTION:** The Series 60 Level 61/Series 50 Payroll (5K) System supports weekly, biweekly, semimonthly, and monthly pay processing for nonsalaried and salaried payrolls. The reporting capability of the system includes payroll checks, a payroll journal, gross earnings report, 941-A and W-2 reports, labor distribution report, and a deduction register. Gross pay calculations provisions have been made for both exempt and nonexempt employees. The system is capable of processing Tax-Sheltered Annuities.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Card reader
- Two disk units
- 10-position display screen
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (BK36)  
Implementation Guide (AC63)

**SHIPPING MEDIUM:** Cards (AAF6004)  
Demo Discopy (available without a contract) (A1404)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. **NOTE:** This is an unsupported product.

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**PAYROLL (10K)**

**HDA**

**DESCRIPTION:** The Series 60 Level 61/Series 50 Payroll (10K) System computes gross pay using several compensation methods; it maintains, calculates and deducts taxes and voluntary deductions, and prepares accurate payroll checks. Several rates can be used in calculation of pay for each employee and payroll costs can be distributed to an unlimited number of cost centers. Government payroll tax requirements are met and an improved design of tax deduction algorithms is provided for easy maintenance. Each employee can have an unlimited number of deductions and several pay frequencies are provided. Check reconciliation is included with this system.

Features include:

- Deductions may be computed on several bases
- Federal and state tax routines maintained
- Simplified payroll tax maintenance
- Sixteen voluntary deductions for each employee/pay
- Choice of several pay cycles
- Unlimited distribution to labor accounts
- Pay for an employee can be comprised of several elements
- Interfaces with General Ledger System

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 10K bytes of memory
- 128-position printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL71)  
Financial Management System (AL70)  
Handbook (AW28)

Sales Presentation Material, including vugraphs (available from Marketing Manager)

**SHIPPING MEDIUM:** Discopy (AAF0004)  
Demo Discopy (available without a contract) (A1410)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**PAYROLL TAX MAINTENANCE (10K)                      HDA**

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**DESCRIPTION:** This is a payroll tax maintenance service to update federal income tax, FICA requirements, and state tax routines in the Series 60 Level 61 Payroll (AAF0004).

**SHIPPING MEDIUM:** (AAF6011) Updates sent direct to subscriber

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**PAYROLL TAX MAINTENANCE (5K)                      HDA**

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**DESCRIPTION:** This is a payroll tax maintenance service to update federal income tax, FICA requirements and state tax routines in the Series 50 Payroll (Disk) (5K) (A5006). Local payroll taxes are the responsibility of the user. This payroll system has been removed from the product line.

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SHIPPING MEDIUM:** (AAF6006) Tax updates are sent direct to subscriber.

## MFG.-FABRICATION/TRANSPORTATION EQUIPMENT

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### BOM-PART-MASTER DATA BASE ARI

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**DESCRIPTION:** This system consists of 16 programs that provide Parts listing, Total Indented Bill of Material (BOM), and Where-used Listing as well as the following information:

|                            |                          |
|----------------------------|--------------------------|
| Part number                | Revision                 |
| Description                | Material cost (dollars)  |
| Labor cost (hours/dollars) | Stock location           |
| Quantity on hand           | Minimum order quantities |
| Maximum order quantities   | Lead time                |
| Unit of measure            | Total customer orders    |
| Total P/O quantity         | Total lot quantity       |
| Quantity reserved          | Usage-to-date            |
| Make or buy codes          |                          |

**Note:**

The part master is used by all systems in this series (ARI Numbers 1110154, 1110155, 1110156, and 1110157).

The BOM system provides the planning department with needed information. In addition to component parts, it provides for tooling, drawing and/or specifications, vendor/government-furnished parts and other "nonpart" inputs.

Revision changes on the part-master data base are automatically "found" on every parts list on file and a new parts list is printed reflecting the latest revisions.

Input to the bill-of-material input is by "single level." A single level parts list may be called by any number of higher or lower assemblies. Planners need not concern themselves with "goes into" functions as the programs provide all necessary structuring.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Two disks
- Card reader
- Card punch
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Flow charts, file layouts, individual program documentation, card layouts, operator instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 11 0154

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### INVENTORY MANAGEMENT SYSTEM HDA

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**DESCRIPTION:** This computer application helps acquire materials and schedule the flow of inventory throughout the manufacturing operation. The system is made up of two modules. Module one, inventory reporting/bill of material, generates the following; multi-level indented parts list, single level parts list, where-used lists and an inventory status report. Module two,

requirements planning, generates the following reports: Open Orders/Open Demand Report, Closed Orders/Closed Demand Report, Item Status Report, Material Requirements Report and Order Bill of Material.

This coded system is characterized by a highly structured format for ease of implementation plus considerable input/output flexibility to accommodate varying requirements. It is supported by comprehensive documentation and training; periodic program maintenance is furnished for the current revision of the system, provided it is not modified by the user.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Disk subsystem
- 128-position printer
- Card reader
- Punch (optional)

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Sales Brochure (AK86)

Product Brief (AB12)

Product Brief (AJ89)

Summary Description (AK37)

System Handbook (AK42)

**SHIPPING MEDIUM:** Inventory Reporting/BOMP (AAM0002)

Material Requirements Planning (AAM0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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### MANUFACTURING PLANNING ARI

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**DESCRIPTION:** These four programs allow for a complete set of instructions of a manufacturing work flow, including:

- Operation number
- Operator instructions
- Tooling required
- Part number and revision
- Quality control/inspection points

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Two disks
- Card reader
- Card punch
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Flow charts, file layouts, individual program documentation, card layouts, operator instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 11 0157



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**PURCHASE ORDER SYSTEM** **ARI**

**DESCRIPTION:** This system contains 15 programs that list and maintain Customer Orders and Shipments, Open Purchase Orders; provide automatic Shop Order Release including printed Parts List, printed Manufacturing Planning and punched Stock Release Cards.

**Note:**

The BOM/Part-Master Data Base System must be operational before implementing this system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Two disks
- Card reader
- Card punch
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Flow charts, file layouts, individual program documentation, card layouts, operator instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 11 0155

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**WORK-IN-PROCESS SYSTEM** **ARI**

**DESCRIPTION:** There are 24 programs in this system that control lot and work orders and provide product cost reports separated by labor and material and cost each top assembly.

A detailed breakdown of each lot follows:

- Employee number
- Total hours charged (regular and O.T.)
- Extended actual cost
- Job number (customer order number)
- Part number
- Quantity completed
- Lot number
- Split number

The work-in-process system provides labor distribution reports and punches cards for direct input to the Honeywell Payroll System.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Two disks
- Card reader
- Card punch
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Flow charts, file layouts, individual program documentation, card layouts, operator instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 11 0156

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**JOB COSTING** **ARI**

**DESCRIPTION:** The system accumulates costs by job number, part number, department, and totals. It also produces employee performance analysis, and costs on parts produced at the end of a given period.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 10K bytes of memory
- Two disks
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURES:** Contact ARI (see Preface).

**I. D. NUMBER:** 1 11 0270

## MFG.-CONSTRUCTION

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### GENERALIZED JOB COSTING

FDA

**DESCRIPTION:** The Generalized Job Costing System provides variety of cost analysis reports; the system consolidates all transactions for a job/operation or project/item and shows job-to-date costs, current period costs, unit cost-to-date, cost variances from original or revised budgets (bid data), and cost variances based upon quantity or percentage completion.

All costs are kept by the categories of Labor, Equipment, Materials, Services and Overhead (LEMSO). Provision has also been made to distinguish between fixed and variable costs. Overhead costs can be applied automatically by job or manually by particular item. In the automated application of overhead, each job/project carries an overhead percentage factor that is added to each LEMSO cost element.

The system has a multilevel data base structure whereby all operations/items for each job/project can be reported separately or summarized to job/project level reports.

The sources of the data used in this system are Payroll and Accounts Payable. Interface program modules are available to receive data directly from the (5K) Accounts Payable and Payroll Systems.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Two disk units
- 128-position printer
- Card reader
- Console

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Product Brief (AR37)

**SHIPPING MEDIUM:** Card Image Tape (AAM6006)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

#### **Notes:**

1. This program product is provided on an "as is" basis in source, in machine readable form. Paragraph D of the supplement is not applicable.
2. Upon completion of the 18 month period under the "18 month paid-up license" alternative, customer obtains a fully paid-up license to use the program product.

## RETAIL TRADE

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### ACCOUNTS RECEIVABLE

ARI

**DESCRIPTION:** A "balance carried forward" system eliminates large manual card handling operations. The system provides the following following:

On a daily basis:

- Detail balance report of input data
  - Store charges, sales
  - Payment
  - Freight credits or debits
  - Advertising credits or debits
  - Miscellaneous credits or debits
  - Journal entries
  - Cash disbursements
  - Special sales category, credits, and debits
- Credit or debit memos are generated by the system, and balanced against the detail input data report.
- Freight credit and debits may be entered in a special format that allows the system to check the manual extensions of rate and weight shipped. Credit and debit memos are then generated as part of the normal operation.
- Invoices summary files are transferred to the Accounts Receivable System. A balance total for each invoice file transferred provides the means of control.

On a monthly basis:

- Detail balance report by type of input data. Includes a detail list of all invoices generated during the month.
- Detail report by customer showing all the month's transactions, the customer's previous balance, and new aged balance.
- A monthly detail statement to mail to the customer listing prior balance, all detail transactions during the month, and new aged balance.
- Aged Customer Trace: A detailed customer Master File Listing showing all information retained for the customer, including:
  - Sales month and year-to-date
  - Late payment total
  - Prior balance (5 categories)
  - Present balance (5 categories)
  - Last month's payments, charges, and credits
  - Credit limit
  - Last payment and charge, amount, and date
- Aged Trial balance management analysis report showing the aged balance for each account. Five categories of aging identify accounts, or branch stores, as potential problem areas. The exception phase lists only those over limit, or past due accounts. The report contains information necessary for customer evaluation, including last charge and payment, amount and date. This report is used to isolate problem areas at month end.

A second report is utilized after month end to show the response during the month. The second report contains the adjusted balance, payments, and charges since the last aging report.
- Branch Accounts Receivable History is a monthly, and year-to-date analysis of branch store accounts receivable. An "All Branch Stores" summary page compares the monthly trend of aging categories.

### MINIMUM HARDWARE REQUIREMENTS:

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- Card reader
- 128-position printer
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample records/reports, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 31 0313

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### BANK RECONCILIATION

ARI

**DESCRIPTION:** A short system design to compare the store deposits (shown on the daily sales) with the bank monthly deposit sheets and a second bank daily transfer sheet. Eliminates manual comparison of the detail records required for a large number of branch store deposits.

A detail listing provides a balance to each of the three input documents. A balance report of unmatched items provides for an easy method to check those items in error, or involved in a document timing problem.

### MINIMUM HARDWARE REQUIREMENTS:

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- 128-position printer
- Card reader
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana and Illinois as a separately priced item.

**I.D. NUMBER:** 1 31 0333

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### BILLING SYSTEM

ARI

**DESCRIPTION:** This short system was developed to produce invoices on a batch basis. The items shipped are keypunched and entered to a batch, balance system. Items not meeting all product and customer restrictions are noted for correction.

A summary of the invoices generated is retained on disk, by invoice, and product. Monthly reports include detail analysis of all shipments by customer and summary analysis of all products shipped. Master customer listings and labels for mailing are generated as part of this system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- Card reader
- 128-position printer
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 31 0317

**BRANCH CUSTOMER ANALYSIS** **ARI**

**DESCRIPTION:** This is a short method to determine the margin of profit for a customer or store. The daily sales tickets are entered by product and customer in the system. Cost and profit margins are developed and retained on disk files. The detail balance report helps ensure the accuracy of the input data.

The system includes:

- Month-end sales and margin detail and summary analysis by store and customer.
- Month-end sales and margin detail and summary report for each product and family of products.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- Card reader
- 128-position printer
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 31 0316

**BRANCH INCOME STATEMENT** **ARI**

**DESCRIPTION:** The Income Statement is developed by internal disk file manipulation. The Sales Summary files, Accounts Payable, and Ledger files provide the major portion of data required for the system. The Branch Ledger portion of the system provides a detail balance against the Accounting Control Ledger. The information is then available for the generation of the Branch Income Statement.

The Statement has three main categories, all shown as a variance comparison to the same time period last year:

- Sales Comparison by month and year-to-date
- Payroll and other expenses, comparison of month and year-to-date with a percent of sales.
- Profit and loss analysis, and summary of detail shown above.

The reports are by individual branch with an all branch summary.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- 128-position printer
- Card reader
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana and Illinois as a separately priced item.

**I.D. NUMBER:** 1 31 0334

**HISTORICAL STORE SALES ANALYSIS** **ARI**

**DESCRIPTION:** If the user has the disk capability, he will find it beneficial to follow up the Basic Store Sales Analysis (I.D. Number 1 32 0309) with several reports designed for management.

The Branch Distribution Report is developed from the month-to-date summary information and historical sales information. The report provides management with a comparison, by store, of current and past sales information; a comparison to budgeted sales is also available.

The Percentage Report is a percentage breakdown, by store, of sales within a product category. The report compares current month to last year, and summarizes to quarterly and year-to-date analysis.

A price level breakdown develops patterns for analysis at any one store. Again, the month, quarter, and year-to-date comparisons to last year isolate individual problems at any one store.

A summary page for all stores is included for overall price and product sales analysis.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- Card reader
- 128-position printer
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 31 0310

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**STORE INVENTORY REPORTS** **ARI**

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**DESCRIPTION:** A combination of computer and source document interaction allows for a minimum of manual involvement. The product computer disk files generate an inventory list suitable for printer or photocopying and for use by the store personnel to list the quantity in inventory. The minimum amount of data is then key-punched and entered in the computer system.

This method of data handling reduces the keypunch requirements of previous computerized systems by approximately 90%.

A series of detail reports are generated for analysis of products in inventory, discontinued items, outdated stock, and physical location, by store, for each item carried in inventory.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- Card reader
- 128-position printer
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 31 0315

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**STORE SALES ANALYSIS** **ARI**

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**DESCRIPTION:** The system gives a detail analysis of daily balance sheets for each store. A series of internal computer balance checks provides efficient control of daily input data.

The detail data is then retained on disk storage for a weekly, month-to-date, and monthly reporting systems. The reports are in three sections:

- Cash, charge, charge card sales, and dollars available for collection and deposit
- Analysis of sales by product classification, with a maximum of six product categories
- Analysis of sales by price, with a maximum of four levels

The month-end reports generate the disk files required for historical management reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- Card reader
- 128-position printer
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 31 0309

## WHOLESALE TRADE

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### MANAGEMENT BILLING HISTORICAL SYSTEM ARI

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**DESCRIPTION:** Management reports of historical information retained by the Billing System enable customer and product analysis. The reports include:

- Sales, margin, and percent margin are shown for monthly and year-to-date values. A comparison is shown between present and last year's values. This format is used for analysis reports by customer, salesman, and product.
- The product usage, by month, is used to calculate expected usage for a given lead time based on the last 15 months' historical usage patterns and the present inventory level.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- Card reader
- 128-position printer
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0312

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### MANAGEMENT BILLING SYSTEM ARI

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**DESCRIPTION:** The Management Billing System generates invoices from the Order Entry System, I.D. 1 32 0256 (not included as part of this system). Due to the flexibility of input, the client may wish to specify a specific type of Order Entry System consistent with a particular operation.

Quotes are handled as a special entry in the system. All items billed at a quoted price are retained for special quote month-end reports by customer and product.

The system includes the following detail reports:

- Invoice
- Monthly sales and margin detail by invoice and customer
- Monthly sales and margin detail by product
- Quote analysis by product and customer
- Customer name and address listing
- Labels of customer name and address for mailing

The month-end reports build disk files required for management historical reports.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- Card reader
- 128-position printer
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0311

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### ORDER ENTRY — INVENTORY CONTROL ARI

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**DESCRIPTION:** An inventory file maintains sales history by month for 20,000 items. Order entry is by card or keyboard, and inventory is reduced before preshipment invoicing. In addition to inventory control the system has all corporate accounting functions including accounts receivable, accounts payable, payroll, and general ledger.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 50 central system with 10K bytes of memory
- Card reader
- Two disks
- 128-position printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL — Mini-COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 32 0256

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### PRINT PRICE BOOKS ARI

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**DESCRIPTION:** Develops a detail price book from a previously defined product file. The printed copy may be duplicated for distribution to sales personnel.

The book headings may be separated by product, family, or a predefined classification.

The system retains, on disk, the prices of the originally generated price book. Comparing this file to a revised product file, the system identifies those items incurring a price change. A price change to any product on a page causes the system to generate a new replacement page. Any item incurring a price change is noted by a special character printed next to the new price.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 50 central system with 10K bytes of memory
- Two disks (DSS058)
- Card reader
- 128-position printer
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operation instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0314

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**SALES ORDER PROCESSING** **FDA**

**DESCRIPTION:** The Sales Order Processing System is a flexible, modular, comprehensive series of computer programs designed primarily for the wholesale distribution environment. The system design takes advantage of the direct access and keyboard entry features of the Model 58 hardware. It is programmed entirely in Mini-COBOL, and operates under control of DOS I.

In the highly competitive atmosphere of today's distribution environment, the degree of customer service can mean success or failure. This system is an effective vehicle for ensuring the required competitive level of customer service at a cost that is economically feasible. The Sales Order Processing System accomplishes this goal by doing more than just order processing. It provides the user an automated control capability over the following five basic functions:

- Order Entry
- Shipping
- Inventory Control
- Billing
- Receivable Control

Perhaps the most significant aspect of the system is that once the data base is established, this monitoring can be accomplished for the most part by a one-time order entry.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61/Series 50 central system with 5K bytes of memory
- Card reader
- Disk system
- 10-position display screen
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Product Brief (AP55)  
System Handbook (2 Volumes) (AP97)

**SHIPPING MEDIUM:** Card Image Tape (AAD6005)  
Demo Discopy (Available without a contract) (A1406)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 18 months.

**Notes:**

1. This program product is provided on an "as is" basis in source, not machine readable, form. Paragraph D of the supplement is not applicable.
2. Upon completion of the 18-month period under the "18-month paid-up license" alternative, customer obtains a fully paid-up license to use the program product.

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**SALES ORDER PROCESSING**  
**(DISK)**

**REFERRAL**

**DESCRIPTION:** The Melhado Order Processing System is designed specifically for candy/tobacco distributors. Created by people with more than 25 years of experience in tobacco wholesaling, the system provides basic order entry functions including direct invoicing, open item accounts receivable, and an aged trial balance with a 15-day aging period.

Current programming also provides for such items as customer discount variations, special pricing, special discounts, sales taxes where necessary, and special instructions to warehouse and drivers.

Specific program modules include the following:

- Order entry and invoicing
  - Order entry
  - Order picking work sheets
  - Order changes
  - Invoicing
  - Driver trip listing
  - Direct invoicing
- Accounts receivable
  - Invoices
  - Credits and adjustments
  - Cash receipts
  - Sales journals
  - Accounts receivable activity report
  - Salesmen's weekly collection sheets
  - End-of-month programs

In addition, the system supplies both daily and monthly inventory reports as well as providing order file control.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 5K bytes of memory
- Card reader
- Disk system
- 10-position display screen
- 128-position printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Available from Control Programming, Inc.

**ORDERING PROCEDURE:** Contact Marketing Manager, MS 495.

**SPECIFIC PROVISIONS:** Referral agreement: Control Programming, Inc.

## BANKING

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### COMPOUND INTEREST CALCULATION (CARD) HDA

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**DESCRIPTION:** The Compound Interest Calculation program calculates the amount of money that accumulates after X amount of years at Y annual interest rate compounded at Z times per year. In addition, the program gives the user the capability to add deposits to the principal at the beginning of each subsequent year.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 5K bytes of memory
- 128-position printer
- Card reader

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Compound Interest Calculation Reference Manual (CAP02)

**SHIPPING MEDIUM:** Cards or CIT (A1602)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

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### LOAN AMORTIZATION (CARD) HDA

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**DESCRIPTION:** The Loan Amortization System consists of two programs. The first computes the monthly payment given amount of loan, interest rate duration of loan (in years) and date of first payment. The second prepares an amortization listing showing principal, interest, amount due, date due and payment number. In addition, the program provides interest and principal paid on an annualized and to-date basis.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 5K bytes of memory
- 128-position printer
- Card reader

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Loan Amortization Reference Manual (CAP03)

**SHIPPING MEDIUM:** Cards or CIT (A1603)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.



## FINANCE

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### SHAREHOLDER DIVIDEND SYSTEM      ARI

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**DESCRIPTION:** This package consists of a series of seven programs which enable the user to:

- Build, add to, maintain, and print the Shareholder (Stockholder) Master File
- Print dividend checks, check register, 1099s, and address labels
- Update the master record(s) with the current dividend paid after check register is printed and delete inactive Shareholders after 1099s are printed through update options

The Master Record allows for up to four names and social security numbers per record and carries the number of shares, current dividend, cumulative dividend, and status of the records. Allowance is made for partial shares as three decimal places are carried.

Dividend checks are calculated based on the number of shares as taken from the Shareholder Master and the dividend per share entered through the numeric keyboard at the beginning of the run.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5-10K bytes of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Source program listings, operating instructions, system function summaries, file and card layouts, sample reports, data preparation instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**I.D. NUMBER:** 1 43 0526

## INSURANCE

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** The system provides:

- Cash receipts, transfers, changes
- Daily cash list
- Eligibility update
- Eligibility print file
- Eligibility list
- Employee eligibility ledger inquiry
- Business agent's district list
- Business agent's employee status card
- Accounts receivable audit trail
- Employee quarterly accounts receivable inquiry
- Owner contributions for government report
- Statement status inquiry
- Refund list
- Zero-out owner amount for new fiscal year

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 26K bytes of memory
- Three disks (MSU0310)
- Cassette tape
- 128-position printer
- 24K extended memory
- Four remote terminals
- Card reader console

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 51 0284

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### BILLING ARI

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**DESCRIPTION:** This system produces:

- Original billing statements
- Print owner billing register
- Print employee billing register
- Print owner name/address list
- Print employee name/address list
- Bump quarter, year, eligibility date
- Purge original statement — replaced by rebill
- Purge A/R due to employee/building status
- Print past due statements
- Create past due file
- Address look-up
- Building/owner/employee inquiry
- Owner/building inquiry
- Print employee address labels
- Print owner address labels
- Print error file list
- Print district changes
- Print employee job listing
- Rebill current quarter
- Rebill past quarter
- Disk file to printer

### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 61 central system with 26K bytes of memory
- Three disks (MSU0310)
- Cassette tape
- 128-position printer
- 24K extended memory
- Four remote terminals
- Card reader console

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 51 0280

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### DELINQUENCIES ARI

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**DESCRIPTION:** This system provides:

- Print accounts receivable delinquency report
- Print business agent's delinquency report
- Business agent's delinquency print file
- Delinquency comparison report
- 1st and 2nd collection letters
- Employee delinquency letter

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 26K bytes of memory
- Three disks (MSU0310)
- Cassette tape
- 128-position printer
- 24K extended memory
- Four remote terminals
- Card reader console

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 51 0281

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### FILE MAINTENANCE ARI

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**DESCRIPTION:** File Maintenance handles the following:

- New statement numbers
- Corrected social security number
- Paid receivables purged into history file
- Inactive building masters purged
- Delinquent history
- Employees purged on building history file
- Inactive employees purged
- Inactive owner masters purged
- Adds to employee/building master file
- Adds to employee master file
- Adds to owner master file
- Building master inquiry/update
- Employee on building update
- Employee master inquiry/update
- Owner master inquiry/update

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 26K bytes of memory
- Three disks (MSU0310)
- Cassette tape
- 128-position printer
- 24K extended memory
- Four remote terminals
- Card reader console

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 51 0283

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**PENSION**

**ARI**

**DESCRIPTION:** This system provides:

- Pension ledger inquiry
- W2-P's
- Pension check overflow
- Pension checks
- Pension check register
- Pension payments inquiry
- Pension checks reconciliation
- Outstanding pension checks
- Manual check entry

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 26K bytes of memory
- Three disks (MSU0310)
- Cassette tape
- 128-position printer
- 24K extended memory
- Four remote terminals
- Card reader console

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 51 0282

## MEDICAL

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### HOSPITAL ACCOUNTING SYSTEM — HAS/61

FDA

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**DESCRIPTION:** The HAS/61 is an integrated patient accounting system for hospitals and similar health care facilities. It includes the census, billing, accounts receivable, payments/adjustments and revenue functions. HAS/61 processes both inpatients and outpatients. Processing capabilities include:

- Complete inpatient, outpatient, and accounts receivable processing
- Extensive occupancy, revenue, and third-party statistics
- Wide range of audit controls
- Automatic room and board charges
- Automatic pricing of goods and services
- Automatic final billing
- Automatic transfer of discharged accounts to accounts receivable
- Automatic zero balance purging
- Cost control and forecast reporting
- Bad debt processing
- Budget payment processing

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 5K bytes of memory
- Card reader
- 10-position display screen
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Implementation Guide Vols. 1 & 2 (AT60)

Operator's Guide (AT61)

Product Brief (AK99)

Summary Description (AN01)

Hospital Accounting System Brochure (AT76)

**SHIPPING MEDIUM:** Card image tape (AAH0008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term: 18 months. Upon completion of the 18 monthly license payments under the "18-month paid-up license" alternative, the customer obtains a fully paid-up license to use the program product. This program product is provided on an "as is" basis in source form.

## EDUCATION

---

### ADMINISTRATIVE GUIDE

ARI

**DESCRIPTION:** This manual will assist a school administrator in the construction of the Master Schedule. Contains: responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

**SHIPPING MEDIUM:** Documentation only

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 1 71 0351

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### STUDENT TEST MARKING SYSTEM (DISK)

HDA

**DESCRIPTION:** SCRIBE — Student Test Marking System handles objective test scoring (true, false, multiple choice) for grading students. The system accommodates three methods of input for student answers: punched cards, mark sense cards (if OMR option is available) or direct entry through the numeric keyboard. The system provides the following outputs: a student mark report by student, a teacher's summary of all student marks, a mark distribution curve, and test statistics.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 5K bytes of memory
- 128-position printer
- Disk storage subsystem
- Card reader with OMR optional
- 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Reference Manual (CAP28)

**SHIPPING MEDIUM:** Card Image Tape (CIT) (A5022)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

## GOVERNMENT

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### REAL ESTATE TAX BILLING

ARI

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**DESCRIPTION:** This system includes the maintenance programs for making changes to the Real Estate parcels. A Tax Billing System is in operation with the exception of the apportioning or distribution of incoming tax revenues. Some of the programs for the assessors subsystem are in operation, such as the summation of property values by classification.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central system with 10K bytes of memory
- Two disks
- Card punch
- Card reader
- 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 73 0011

## MISCELLANEOUS SERVICES

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### RENTAL MANAGEMENT SYSTEM      ARI

---

**DESCRIPTION:** The system includes accounts receivable (used with any balance forward billing system with up to 10 fixed monthly charges), accounts payable, job costing, inventory control, payroll and general ledger with budgets, and P and L's for up to 99 managed companies.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 5K bytes of memory
- Two disks
- Card reader
- 128-position printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 80 0243

---

### SWIM CLUB PERFORMANCE SYSTEM      ARI

---

**DESCRIPTION:** This package keeps statistics and performance records for each swim team member, producing reports of meet results and performance recaps for each type of swimming event. It also records national standards, best time, conference times, and pool records for each swimmer and each event. The reports allow the swim coach to analyze each swim team member's performance throughout the season and select swimmers for relay events.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 50 central system with 5K bytes of memory
- Card reader
- 10-position display screen
- 128-position printer
- Disk

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 80 0329

## SYSTEM SOFTWARE

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**SERIES 100 SIMTAB**

**HDA**

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**DESCRIPTION:** This interpretive program generator converts 407 jobs for execution on Series 100. Conversion reports are produced in one pass.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 100 central system with 8K bytes of memory
- Card reader
- 128-position printer

**PROGRAMMING LANGUAGE:** APS

**SHIPPING MEDIUM:** Cards (A5108)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS: NOTE:** This is an unsupported product.



# **Section 2**

**SERIES 60 LEVEL 62**

**SECTION 2**  
**SERIES 60 LEVEL 62**  
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## Section 2

# SERIES 60 LEVEL 62

### FINANCIAL MANAGEMENT

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#### ACCOUNTS PAYABLE

HDA

**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Payable system can be used in manufacturing, distribution, banking, government, and medical environments, service bureaus, retail business and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

The Honeywell Series 60 Level 62 Accounts Payable System maintains an accurate record of users' obligations for the purchase of materials and services on credit. It is designed to increase profit by maximizing available discounts through timely and accurate payments.

- Keeps users informed of future payment requirements through both short- and long-term cash forecasting
- Maintains complete statistics on the volume of business done with each vendor, providing you with valuable information when negotiating price breaks
- Automatically calculates discounts and due dates, yet allows users to override the calculation when necessary
- Includes expense distribution to an unlimited number of ledger accounts and permits partial payments and last minute changes in the date of payment
- Maintains an accurate record of outstanding liabilities and provides sufficient detail to maximize discounts
- Makes positive identification of invoices paid with each draft
- Provides accurate and unlimited expense distribution
- Permits and correctly records partial payments
- Provides reconciliation of cancelled checks

Features include:

- Automatic calculation of discount and due dates when invoice entered into system
- Separate terms may be maintained for each vendor
- Unlimited expense distribution and balancing to ensure accuracy
- Cash Requirements Reporting prior to issuance of checks
- Payment of invoice may be withheld, or partial payments made
- One check issued per vendor; may include many invoices
- Payments may be made directly to a factor
- Remittance advice attached to each check
- Check print restart procedure
- Check reconciliation provided
- Automatic reinstatement of invoices if check is cancelled
- Provision to override any computer-calculated action
- Record of discounts lost

- Statistics provided on invoices due, but not paid
- Aging of active invoices

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 central system with 40K of user memory
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure (AS45)

Product Brief (AL73)

Financial Management System (AL70)

Handbook (AP75)

**SHIPPING MEDIUM:** Discopy (ABF0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

---

#### ACCOUNTS PAYABLE

ARI

**DESCRIPTION:** This system includes the entry of invoices, debit memos, and credit memos; also produces, in addition to the standard set of reports, entries for financial processing (Purchase Journal, etc.). Miscellaneous checks may also be run on an "as needed" basis.

System features:

- Purchasing address and remittance address for same vendor
- History is kept at the discretion of user (purging is controlled)
- Two input flows
  - Regular flow using live vendor file
  - Miscellaneous flow for one-time payments, expense accounts, etc.
- Ability to run month-end closing report at any time following close of month

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 central system with 28K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 2 01 0528

---

#### ACCOUNTS PAYABLE ONLINE

HDA

**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Payable online system can be used in manufacturing, distribution, banking, government, and medical environments, service bureaus, retail business and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

The Honeywell Series 60 Level 62 Accounts Payable Online System maintains an accurate record of users' obligations for the purchase of materials and services on credit.

It is designed to increase profit by maximizing available discounts through timely and accurate payments.

- Keeps users informed of future payment requirements through both short and long-term cash forecasting
- Maintains complete statistics on the volume of business done with each vendor, providing you with valuable information when negotiating price breaks
- Automatically calculates discounts and due dates, yet allows users to override the calculation when necessary
- Includes expense distribution to an unlimited number of ledger accounts and permits partial payments and last minute changes in the date of payment
- Maintains an accurate record of outstanding liabilities and provides sufficient detail to maximize discounts
- Make positive identification of invoices paid with each draft
- Provides accurate and unlimited expense distribution
- Permits and correctly records partial payments
- Provides reconciliation of cancelled checks

Because the system is online there is interaction between terminal operator and the system. Invoices are updated immediately. Instant display of invoices, supporting data for checks issued, and vendor information is provided. Audit trails are provided for all transactions entered.

Features include:

- Automatic calculation of discount and due dates when invoice entered into system
- Separate terms may be maintained for each vendor
- Unlimited expense distribution and balancing to ensure accuracy
- Cash Requirements Reporting prior to issuance of checks
- Payment of invoice may be withheld, or partial payments made
- One check issued per vendor; may include many invoices
- Payments may be made directly to a factor
- Remittance advice attached to each check
- Check print restart procedure
- Check reconciliation provided
- Automatic reinstatement of invoices if check is cancelled
- Provision to override any computer-calculated action
- Record of discounts lost
- Statistics provided on invoices due, but not paid
- Aging of active invoices

Online features include:

- Alpha inquiry to obtain vendor number
- Terminal entry of vouched invoices
- System automatically calculates
  - Discount and discount date
  - Net due date(Terminal operator has override capability)
- Terminal entry of prepaid invoices
- Instant display of specific invoice
- Display of all open invoices for specific vendor
  - Detailed invoice data shown
- Terminal entry of audit control figures
  - System balancing of data messages ensure accuracy
- Management decisions regarding payment of invoices are entered via terminal

- Check reconciliation data entered via terminal
- Instant display of supporting data for any check issued
- Other vendor information instantly displayed
  - Address
  - YTD Purchases
  - YTD Discount Taken
  - Tax and Shipping on Purchases and Returns
  - Prior Year Purchases
  - Vendor terms

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 65K of user memory
- Two disk devices
- Printer
- Card reader
- CRT
- Transaction response system (SBJ0001)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure (AS45)

Product Brief (AL73)

Financial Management System (AL70)

Handbook (AP75)

**SHIPPING MEDIUM:** Discopy (ABF0012)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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#### **ACCOUNTS PAYABLE SYSTEM**

**ARI**

**DESCRIPTION:** The system can verify that a purchase order was issued and goods were received before accepting an invoice for payment. It will also match invoice price to ordered price, calculate price variance, and reject invoices with variances outside of specified limits. Discounts and optimum payment dates are calculated automatically. Variable check sorting allows use of signing/stuffing machines to facilitate processing of checks. An extensive interface to general ledger is included, to account for: payables, checks paid, price variance, goods in transit, and goods received, but not invoiced. Report writers, which allow the user to control content, frequency and sequence of reports, help reduce audit and research time. The System has been designed to operate in medium- to large-sized organizations and will accommodate multiple separate companies or multiple divisions within a single corporation.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Comes with complete documentation, user training, and installation support.

**I.D. NUMBER:** 2 01 0559

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**ACCOUNTS RECEIVABLE****HDA**

**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Receivable System can be used in manufacturing, distribution, medical (not hospitals), local government, service bureaus, retail business and most of the sub-industries listed in this software catalog. This system is fully supported by Honeywell.

The Series 60 Level 62 Accounts Receivable System comes with many preprogrammed reports and options. It is a credit-oriented system with comprehensive tracking features to help control your outstanding accounts. It is also a cash management system with timesaving features to clear payments faster on open-item accounts.

- Establishes and maintains an accurate history of your customer billings and remittances
- Provides sufficient detail and audit trails to answer customer inquiries
- Aids the collection activity by highlighting potential problem areas and trends
- Monitors past-due accounts
- Provides management documents

The Series 60 Level 62 Accounts Receivable System operates in either balance-forward or open-item modes.

Features include:

- Immediate installation of system; written in COBOL and ready to use
- Special reports record payments and provide current credit information
- Interface with Billing and General Ledger
- Cycling of statements levels the workload
- Self-generation of control figure showing total receivables due

Open-item processing features:

- Authorized terms and discount maintained in each customer's record
- Automatic calculation of discount, last day of discount and net due date for each invoice
- Automatic cash application minimizes clerical effort
- Balances payments, including discounts
- Flags late discounts
- Maintains bill-to, ship-to, or sold-to address for each customer
- Provides automatic write-off of small discrepancies and prepares journal entry

Balance-forward processing features:

- Handles either 30-day or revolving accounts
- Several methods to calculate service charge
- Shows sales as discrete items on current statement and automatically applies standard transaction descriptions to statements
- Uses either due date or sale date as basis for aging

Credit and collection features:

- Immediate flag when customer's credit is exceeded
- Special codes allow Credit and Collection to enter control information
- Aging can be run in backward or forward modes
- Choice of variable periods of aging
- Customer account inquiry provides printout of all information in customer's record
- Credit Balance Report identifies customers with credit balance
- Credit Analysis Report lists customers who are close to or in excess of credit limits

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 40K of user memory
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure (AS47)  
Product Brief (AL64)

Financial Management System (AL70)  
Handbook (AP74)

**SHIPPING MEDIUM:** Discopy (ABF0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**ACCOUNTS RECEIVABLE ONLINE****HDA**

**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Receivable Online System can be used in manufacturing, distribution, medical (not hospitals), local government, service bureaus, retail business and most of the sub-industries listed in this software catalog. This system is fully supported by Honeywell.

The Series 60 Level 62 Accounts Receivable Online System comes with many preprogrammed reports and options to increase flexibility. It is a credit-oriented system with comprehensive tracking features to help control your outstanding accounts. It is also a cash management system with time-saving features to clear payments faster on open-item accounts.

- Establishes and maintains an accurate history of your customer billings and remittances
- Provides sufficient detail and audit trails to answer customer inquiries
- Aids the collection activity by highlighting potential problem areas and trends
- Monitors past-due accounts
- Provides management document

The Series 60 Level 62 Accounts Receivable System operates in either balance-forward or open-item modes.

Because the system is online there is interaction between terminal operator and the system. New invoices and payments are updated immediately. Instant display of invoices, check issued information, and customer statistical information. Audit trails are provided for all transactions entered.

Features include:

- Immediate installation of system; written in COBOL and ready to use
- Special reports record payments and provide current credit information
- Interface with Billing and General Ledger
- Cycling of statements levels the workload
- Self-generation of control figure showing total receivables due

Open-item processing features:

- Authorized terms and discount maintained in each customer's record

- Automatic calculation of discount, last day of discount, and net due date for each invoice
- Automatic cash application minimizes clerical effort
- Balances payments, including discounts
- Flags late discounts
- Maintains bill-to, ship-to, or sold-to address for each customer
- Provides automatic write-off of small discrepancies and prepares journal entry

Balance-forward processing features:

- Handles either 30-day or revolving accounts
- Several methods to calculate service charge
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Credit and collection features:

- Immediate flag when customer's credit is exceeded
- Special codes allow Credit and Collection to enter control information
- Aging can be run in backward or forward modes
- Choice of variable periods of aging
- Customer account inquiry provides printout of all information in customer's record
- Credit Balance Report identifies customers with credit balance
- Credit Analysis Report lists customers who are close to or in excess of credit limits

Online features include:

- System operates in either open-item or balance-forward modes
- Alpha inquiry from terminal to obtain customer number
- Transactions consisting of invoices, sales slips and payments are entered through display terminal
- Updated credit information immediately available at terminal
- Other customer information available at terminal
  - shipping and bill-to address
  - telephone number
  - last payment
  - year-to-date sales
  - aging of customer account
- Cash posted to invoices through terminal and immediately reflected on invoice
- System will accept partial payments and unapplied cash
- Special adjustments for merchandise returns or other reason can be made through the terminal at cash application time; provision made for general ledger adjustments
- System controls enable balancing of new invoices and payments to ensure the correctness of data
- Up to ten invoices for each customer can be displayed on screen; screen rolls up until all invoices for customer have been shown
- Audit trails provided for all transactions entered into system
- New invoices entered into system are instantly available for inquiry

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 central system with 65K of user memory
- Two disk devices

- Printer
- Card reader
- CRT
- Transaction response system (SBJ0001)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL64)  
Financial Management System (AL70)  
Handbook (AP74)  
Sales Brochure (AS47)

**SHIPPING MEDIUM:** Discopy (ABF0011)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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### FIXED ASSET ACCOUNTING SYSTEM ARI

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**DESCRIPTION:** This multi-company system satisfies all IRS and SEC requirements. Its features include: corporate and tax books, ITC calculation and recapture, gain/loss calculations, insurance, depreciation projection, partial transfer and retirement. It has flexibility sequence and content of reports. The system design leads to simple operation.

Optional modules can be purchased separately, and include: Asset Depreciation Range (ADR), full SEC Replacement Cost accounting, flexible Special Report Writer, extended General Ledger Interface module, and Optional Report Group including CIP, leased assets, and asset maintenance.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 central system with 64K of memory
- One disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** One set of manuals provided including three volumes on the basic System, plus additional volumes for SEC Replacement Cost and the Special Report Writer if these options are elected.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation, documentation, and one year warranty provided.

**I.D. NUMBER:** 2 01 0556

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### GENERAL LEDGER HDA

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**DESCRIPTION:** This generalized Honeywell Series 60 General Ledger System can be used in manufacturing, distribution, banking, medical (including hospitals), service bureaus, retail business and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

Honeywell's Series 60 Level 62 General Ledger System accepts only accurate information for processing. It provides a trial balance as a working document when needed and accepts journal entries generated by any of your other accounting systems, thus eliminating human intervention between these systems and general ledger.



You use your present chart of accounts, format your financial statements, and specify your own key ratios, but no programming is required.

Balance sheet, operating and income statements can be provided at several operating levels and a level-by-level budget comparison is also prepared.

Features include:

- Customer uses present chart of accounts and account titles
- Adapts to company's accounting year and periods
- Financial statements can be in exactly the same format as now received by management
- Twelve-digit general ledger number
- Six digits of general ledger number provide hierarchy of seven responsibility levels
- Key business ratios specialized to customer requirements
- Impossible to enter invalid account numbers
- Rejects out-of-balance batches
- Provides printed journals for all entries
- Automatically reverses month-end accruals when necessary and permits entries to be made for future months
- Prints both detailed and summarized ledgers
- Provides budget capability and comparison to actual for both current month and year-to-date
- Budget figures may be changed at will
- Permits retroactive changes to previous accounting periods

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 40K of user memory
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure (AS46)

Product Brief (AL72)

Financial Management Systems (AL70)

Handbook (AP76)

**SHIPPING MEDIUM:** Discopy (ABF0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**PAYROLL**

**HDA**

**DESCRIPTION:** This generalized Honeywell Series 60 Payroll System can be used in manufacturing, distribution, banking, government, medical (including hospitals), service bureaus, retail business and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

The Honeywell Series 60 Level 62 Payroll System handles a wide range of business situations.

It effectively removes a major limitation in conventional payroll systems: voluntary deductions. The Honeywell system truly personalizes the payroll by processing a large number of voluntary deductions for each employee and systematically providing the accounting and reporting necessary to support these deductions. It also effi-

ciently handles multiple forms of compensation (hourly, salary, bonus, commission, etc.) and pay cycles (weekly, biweekly, semimonthly, and monthly). Payroll tax updating has been simplified and no programming is required to get tax changes into the system.

The System computes gross pay using several compensation methods; it maintains, calculates, and deducts federal and state taxes and voluntary deductions and prepares accurate payroll checks. Several rates can be used in calculation of pay for each employee and payroll costs can be distributed to an unlimited number of cost centers. Government payroll tax requirements are met and design of tax deduction algorithms is provided for easy maintenance. Each employee can have an unlimited number of deductions and several pay frequencies are provided. Check reconciliation is included with this system.

Features include:

- Each deduction can contain maximum or balance limit
- Numerous deduction cycles and methods of calculation included
- Priorities can be set for deductions
- Untaken deductions are listed and optionally may be automatically deducted at a later date
- Provides for tax-free deductions and special one-time deductions
- Deductions may be overridden at any time
- Application of deductions provided as specified by user, e.g., bonds, stock
- Calculates federal and state taxes
- Computes company tax liability for disability fund and state and federal unemployment insurance
- System architecture permits addition of local taxes
- Employee may work in several states; separate tax record provided for each state
- New tax update system eliminates programming to maintain tax changes
- Payroll distribution (expense) automatically enters general ledger
- Labor Distribution Report shows wage expense and hours for each employee, distributed to many cost centers or projects
- Facilitates tighter control of payroll expense
- Weekly, biweekly, semimonthly, monthly pay cycles plus other cycles desired by user
- Identifies up to 14 different earnings types and accumulates hours (units) for 7 of them
- Basic data available for job costing
- Allows multiple pay rates per employee
- Amount may be added to base amount in employee master file when calculating gross pay
- Recognizes and incorporates shift differential
- Computes overtime
- Processes advances and cash payments
- No time cards required for salaried employees
- Allows 16 voluntary deductions per employee
- Company permitted up to 99 different voluntary deduction types

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 40K of user memory
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure (AS48)  
Product Brief (AL71)  
Financial Management Systems (AL70)  
Handbook (AR80)

**SHIPPING MEDIUM:** Discopy (ABF0004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Payroll Tax Maintenance (ABF6004) should be ordered with this system.

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**PAYROLL TAX MAINTENANCE** **HDA**

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**DESCRIPTION:** This is a payroll tax maintenance service to update federal income tax, FICA requirements, and state tax routines in the Series 60 Level 62 Payroll (ABF0004).

**SHIPPING MEDIUM:** (ABF6004) Updates sent direct to subscriber

**ORDERING PROCEDURE:** Contact your Honeywell Marketing Representative.

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**BASIC ACCOUNTS PAYABLE** **ARI**

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**DESCRIPTION:** Basic Accounts Payable is a composite of several Accounts Payable Systems. It is designed as a turnkey system to be operational within a day. It consists of various programs and utilities to produce everything from edits through vendor master maintenance. It has provisions for manual and voided checks, dating, and discounts. It can be modified easily if needed.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 10K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Working RPG-II source, OCL on floppy disk, and all documentation and instructions supplied.

**I.D. NUMBER:** 2 01 0579

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**FINANCIAL REPORTING SYSTEM** **ARI**

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**DESCRIPTION:** A complete system for general accounting/fiscal reporting systems. It contains 13-digit account number and billion dollar amount fields. The system gives comparative and budgeted financial reports and auditing aids. It accepts input from the Accounts Payable System 2 76 0435.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 16K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISION:** Price includes shipping charges.

**I.D. NUMBER:** 2 01 0590

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**ACCOUNTS RECEIVABLE/SALES REPORTING** **ARI**

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**DESCRIPTION:** The Accounts Receivable/Sales Analysis System provides flexible, user-defined sales reporting. The system can be run both on a daily and monthly basis. Complete aging, activity reporting, and statement writing are also provided. Flexible finance charging capabilities are a part of the system. Multiple companies can be run in the same processing cycle, with each company having its own parameters for sales reporting and finance charging.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 Model 10
- Two disks
- Tape (optional)
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 01 0681

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**GENERAL LEDGER ONLINE** **HDA**

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**DESCRIPTION:** The General Ledger Online System has all the features of the Honeywell General Ledger System (Order No. ABF003) described earlier in this section. The online features of General Ledger include:

- Terminal entry of journals for current and prior year
- Update account structure via terminal
- Enter and change budget figures via terminal
- Audit trail for all transactions
- Recovery file
- Online inquiry into chart of accounts file, budget file, ledger, current transactions, and key business ratios

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 65K of user memory
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure (AS46)  
Product Brief (AL72)  
Financial Management Systems (AL70)  
Handbook (AP76)

**SHIPPING MEDIUM:** Discopy (ABF0013)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**PAYROLL****ARI**

**DESCRIPTION:** This is a weekly factory payroll system that calculates an employee's wage to the exact minute (not rounded to the nearest quarter or half hour). Reports include: edit, register, checks, bond listing, labor distribution, 941s, W2 forms, summary, monthly, and quarterly.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system comparable to System/3, with 32K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 01 0655

**ENGINEERING/TECHNICAL**

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**FLUID ANALYSIS****ARI**

**DESCRIPTION:** The Fluid Analysis Program is a comprehensive fluid dynamics program. It solves steady, one-dimensional, incompressible flow equations for either single conduit or network problems. It has a simple input format, automatic units conversion, and automatic selection of the proper equations to be used.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 32K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 04 0670

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**REGRESSION ANALYSIS****ARI**

**DESCRIPTION:** The program does all the least squares models:  $x$  vs  $y$ ,  $\log x$  vs  $y$ ,  $x$  vs  $\log y$ ,  $\log x$  vs  $\log y$  in any log model. The user may optionally rectify  $\log x$  or  $\log y$  with the convergence term and tolerance input. The program also gives the usual statistics such as correlation coefficient, goodness of fit ( $r$ ), and standard deviation of regression.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 04 0666

## MFG.-FABRICATION/TRANSPORTATION EQUIPMENT

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### INVENTORY MANAGEMENT SYSTEM EXTENDED

HDA

**DESCRIPTION:** This package consists of a set of pre-coded COBOL programs that manage the materials and resource inventory of a manufacturing business by planning, reporting and controlling the replenishment plans at all levels of the product structure. It provides satisfactory customer delivery performance while optimizing the investment in raw, in-process and finished goods. Online Inquiry/Data Collection facilities are provided as a complementary extension to the IMS Batch System.

The system consists of five subsystems:

- Inventory Reporting/Bill of Material — provides material item and product structure maintenance and offers a wide range of reporting capabilities, which include material profile, multilevel parts list, where used reports, etc.
- Material Requirements Planning — provides requirements and reporting capabilities. Reports include order/demand status reporting, order release and expedite reporting, etc.
- Material Requirements Planning/Resource Inventory Planning — provides requirements/resource management and reporting capabilities. Reports include order/demand status reporting, order release and expedite reporting, etc.
- Standard Cost Control — provides multilevel cost maintenance and reporting. Reports include cost implosion, cost analysis, etc.
- Online Inquiry/Data Collection — provides immediate access and data entry capabilities to material item, product structure, order/demand, shop feedback and cost data

The system in its entirety performs the following functions:

- Builds and maintains a central Bill of Material file
- Accepts gross requirements at any product structure level
- According to the user's parameters and item types, makes a plan to satisfy gross requirements by computing time phase net requirements — supply orders — for production and purchasing
- Performs resource planning and control for master scheduling plant simulation and order feasibility
- Explodes net requirements through the product structure to determine components requirements
- Controls the release and monitors the status of supply orders
- Reacts to changes in materials requirements and inventory status by reviewing their replenishment plan
- Allows the user to simulate the effects of any cost change and to update standard costs of assemblies and end-products by cost implosion
- Provides exception processing and reporting
- Online inquiry display of inventory listing, bill of materials, where used, material profile and cost analysis information
- Online data entry of material product structure, order/demand, shop feedback and cost data.

### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 central system with 48K of memory
- Console
- Two disk units
- Printer
- Card reader
- Card punch (optional)
  - 80K of memory
  - One VIP 7700B

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AM17)

Sales Brochure (AK74)

Summary Description (AS01)

System Handbook (AU32)

**SHIPPING MEDIUM:** Inventory Reporting/Bill of Material (ABM0011)

Material Requirements Planning (ABM0041)

Material Requirements Planning/Resource Inventory Planning (ABM0021)

Standard Cost Control (ABM0031)

Online Inquiry/Data Collection (ABM0051)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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### JOB COSTING

ARI

**DESCRIPTION:** This complete, accurate job costing system designed by users includes material, subcontract, billings, and routings, aiding estimators, schedulers, foremen, salespeople, and executives. The system contains shop and office routing, employee efficiency, direct labor by workcenter, indirect labor by department, indirect labor by general ledger number, daily job status, job inquiry, work-in-process, completed jobs, delinquent job report, shop load by workcenter and department, monthly costs by customer, commission by salesman, weekly sales report; and automatically calculates operation due dates.

### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk units
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 2 11 0359

---

### JOB COSTING

ARI

**DESCRIPTION:** This system provides collection and control of costs associated with specific assemblies, sub-assemblies, and raw materials. Costs are collected from

vendor invoices, material allocations from stockroom, consolidation of sub-assemblies, employee labor and overhead rates. Reports provided are:

- Edit and register of all transactions
- Status of all work-in-process jobs
- Status of all raw and semifinished stock, including average cost, standard cost, on-hand, unit of measure and minimum order quantity
- Complete itemization of costs on all assemblies that have been finished
- Labor and overhead costs by general ledger and job numbers
- Stockroom physical inventory reconciliation

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 24K of memory
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Layouts, run instructions, sample reports provided when purchased

**SHIPPING MEDIUM:** Cards or disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 11 0387

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**JOB SHOP SCHEDULING** **ARI**

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**DESCRIPTION:** For a job shop that schedules work based on orders received, the program fits the remaining operations to be completed for each job into the machine hours that are available. The end result is a specific production schedule which reaches out 13 weeks.

The following reports are generated:

- Machine Listing — schedule for each machine listing when a specific job is to be started and completed. A daily task list.
- Job Listing — summary of each job showing which operations are left to be completed and when they are scheduled for completion.
- Operation Summary — report showing the utilization of machine available hours.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-12 with 48K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 11 0519

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**PAYROLL** **ARI**

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**DESCRIPTION:** The system computes payroll using hourly input. Present form computes Illinois State Income Tax as well as Federal Taxes.

Program includes:

- Employee master file — maintenance and dump programs
- Payroll register
- Checks
- Credit union report
- Quarterly payroll reports — FICA and 941
- W-2 forms

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- Disk units
- Remote terminal
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 11 0257

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**PRODUCTION SCHEDULING AND CONTROL — INFINITE** **HDA**

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**DESCRIPTION:** The Production Scheduling and Control package is a set of COBOL programs that schedule, load, release, and monitor the production in a shop environment, both on entire order and discrete operation levels.

Online Inquiry capabilities provide retrieval and visual displays of the latest production information at all levels of the manufacturing process.

The package consists of three subsystems:

- Production Data Management Subsystem — maintains work centers and routing data that describes the production resources and process.
- Capacity Requirements Planning/Production Control Reporting — schedules all operations for orders and creates, maintains, and processes feedback on work-in-process data. The reporting function also monitors all phases of shop performance.

The system offers capabilities such as:

- Creation and maintenance of production data base comprising routings, work centers and work-in-process data
- Work-in-process scheduling and loading to infinite work-center capacity
- Lot splitting and overlapping options
- Production control reporting, including advanced feedback features
- Online Inquiry display of workcenter profile, master routings, order status, order projected and incurred costs and job sequence by workcenter

The package is designed to stand alone or to be integrated, through user interfaces, with other Honeywell manufacturing packages, as Series 60 Level 62 Inventory Management System.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 40K of memory
- Two disk units
- Printer
- Card reader

- Card punch (optional)
- Additional for Online Subsystem
  - 80K of memory
  - One VIP 7700B

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AM16)

Sales Brochure (AP28)

Summary Description (AS66)

System Handbook (AW82)

**SHIPPING MEDIUM:** PSC/62 (ABM0002)

Product Data Management (ABM0012)

Capacity Requirements Planning/Production Control Reporting (ABM0022)

Online Inquiry (ABM0032)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**CUSTOMER ORDER STATUS** **ARI**

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**DESCRIPTION:** This is a complete system that maintains customers' orders (on disk) in a manufacturing environment. Features include:

- Online data entry (via a VIP 7700)
- Management information reports
  - Backlog by manufacturing departments combined (serves as multi-period shipping schedule)
  - Backlog by manufacturing departments separated
  - Backlog by part number
  - Backlog by customer name
  - Backlog by sales code
  - Past due orders
  - Next due orders
  - Orders acknowledged (last week)
  - Orders shipped (last week)
  - Closed orders
  - Purged orders

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 160K of memory
- Three disks (MSU0310)
- VIP 7700
- Printer
- Sort and indexed sequential purge utilities

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 11 0589

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**ESTIMATING & PRODUCTION CONTROL** **ARI**

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**DESCRIPTION:** The steel fabricator's Estimating & Production Control (batch) system makes use of sophisticated modeling techniques to simulate each user's own fabrication practices. This allows the system to project detailed man-hours and machine scheduling for all operations that contribute to the fabricator's direct cost.

In addition, the system will extend weights for all steel products as found in the AISC Steel Construction Manual. Engineering details are generated according to load/stress limits. Material pricing is done using a simulated manual process and includes specific pricing for the following extras:

- Size/section
- Freight
- Spec or grade (e.g., A36, A552, A441)
- Test (Charpy V-Notch, Silicon-Killed Fine Grain)
- Length
- Plate/width/thickness
- Quantity
- Weld metal and paint requirements

The final product is either a complete bid worksheet with all material priced, weighed, and simulated through fabrication in order to arrive at a precise direct labor figure with material; or a shop loading schedule with standard man/machine hours and cutting lists interfaced to the Inventory Subsystem.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 32K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Six months free maintenance, fee thereafter.

**I.D. NUMBER:** 2 11 0577

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**PHYSICAL INVENTORY** **ARI**

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**DESCRIPTION:** This is a complete system used to maintain physical, inventory on disk. It operates in both online and batch modes. Data entry is online. Management reports include reports by:

- Tag number
- Type of part
- Status of part
- Part number

It supports transactions such as adds, deletes, and modifies.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system, with 160K of memory
- Three disks
- Printer
- Level 62 Transaction Programming System (TPS)
- Sort utility
- Communication Line handler

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 11 0586

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**STOCK REQUISITION** **ARI**

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**DESCRIPTION:** This is a complete system to maintain stock requisitions (inventory issues) on disk. Features include:

- Online data entry
- Management information reports
  - Stock requisitions by documentation
  - Stock requisitions by cost center
  - Stock requisitions by order number
  - Stock requisitions by part number
- Transactions supported:
  - Adds
  - Deletes

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 160K of memory
- Three disks (MSU0310)
- VIP 7700
- Printer
- Sort utility
- Level 62 Transaction Programming System (TPS)
- Communication I/O handler

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 11 0587

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**VENDOR PURCHASE ORDERS** **ARI**

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**DESCRIPTION:** This is a complete system that maintains vendor purchase orders on disk. Features include:

- Online Data Entry
- Management Reports include:
  - Open Purchase Orders by Buyer
  - Open Purchase Orders by Purchase Order Number
  - Open Purchase Orders by Date Due
  - Past Due Purchase Orders
  - Closed Orders Report
  - Purged Orders Report

**MINIMUM HARDWARE REQUIREMENT:**

- Series 60 Level 62 central system with 160K of memory
- Three disks (MSU0310)
- Printer
- VIP 7700
- Level 62 Transaction Programming System (TPS)
- Communication I/O handler, sort and indexed sequential utilities

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 11 0588

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**GOVERNMENT ACCOUNTING** **ARI**

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**DESCRIPTION:** The Government Accounting System is an appropriation and utility asset accounting system. It produces budget work sheets and reports, department and

line item reports including encumbrance recording, general ledger reports and statements, and fixed asset reporting by item use and location.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system comparable to System/3 with 16K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 2 11 0659

**MENU COST CALCULATION****ARI**

**DESCRIPTION:** The Menu Cost Calculation program converts units of purchase into units of use for any number of different raw materials and combines them into a cost per entree. It then calculates the cost as a percentage of selling price and allows three optional cost percentages and converts to optional selling price. Price changes are entered and program makes changes on all entrees and recalculates cost percentages and optional selling prices.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 8K of memory
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 13 0442**BOTTLE ROUTE ACCOUNTING****ARI**

**DESCRIPTION:** This system is a completely integrated sales and route accounting package designed around a single data base master file. Because it is designed primarily for the soft drink distribution industry, this single master file provides all customer information necessary to process:

- Advanced sales orders
- Regular sales orders
- Full service sales and commission disbursements
- Vending machine time pay-out sales accounting
- Vending machine rental
- Accounts receivable accounting (Accounts receivable collections tools are integrated throughout the Bottle Route Accounting system)

This system also maintains a detail history of sales to each customer by month by product. This provides the data necessary to produce a number of Management Information analysis reports. Also provided is a detail inquiry capability down to a specific product purchased by a specific customer during the past 13-month period.

The system automatically generates daily general ledger entries into a general ledger detail input disk file while processing the daily salesman's settlement.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory
- 96-column card reader
- Three MSU0310 disk drives
- Line printer
- CRT hardware varying with volume of user data

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Disk**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 13 0617

**DESCRIPTION:** Route Accounting for Bottlers gives route accounting for soft drink bottlers. It includes truck reconciliation and sales analysis by driver, customer, product, and chain store.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 16K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 13 0615



## MFG.-PETRO. CHEMICAL

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**BLIS**

**ARI**

**DESCRIPTION:** This comprehensive management information system for material conversion manufacturing companies is installed and now working in several companies. Ideal for plastic molders, foundries, die casters, extruders, forge operations. Encompasses the areas of order entry, production scheduling, order backlogs, daily production analyses, invoicing, labor cost control, scrap cost control, inventory control, standard cost systems, accounting systems, flexed budgets, general ledger, accounts receivable and payable, and bank reconciliations. Output reports can be very detailed, depending upon user's preference. Edits at key points. Has ability to handle up to twenty product lines and multidivision, multiplant requirements on most systems where required. Systems can be tailored to user's requirements. Onsite assistance to ensure proper implementation. Sold in five modules or as a package:

- Order entry, production scheduling, backlogs, invoicing, daily production and analyses
- Physical inventory control and scrap control
- Standard cost system and accounting system
- General ledger, accounts receivable and payable, bank reconciliations
- Labor cost analyses, flexed budgets

Discounts available on two or more modules.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Extensive with the modules.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 14 0355

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**INTEGRATED ACCOUNTING**

**ARI**

**DESCRIPTION:** This is an integrated system designed for the single or multi-company oil producer. It can operate in batch or online mode. It has seven subsystems:

- Journal Entry
- General Ledger
- Revenue Distribution
- Joint Interest Billing
- Vendor Accounts Payable
- Undeveloped Lease
- Asset and Information Reporting

Each system installation is preceded by a comprehensive planning schedule to identify company-specific accounting and reporting needs. Also, before delivery, the system is tailored for journal entry format(s), property ledger format, system check formats, accounts receivable statements, DD&A calculations, subsystem interfaces, production reports, reserve calculations, lifting cost reports, payout status reports, investment tax credits, and other user reports.

All subsystems are integrated with one another; sub-ledger data is automatically tied to the General Ledger.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 40K of memory
- Real-time clock
- Printer or output device
- Card reader, tape, or CRT input device
- Online disk storage
- Backup device

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL or RPG

**DOCUMENTATION:** Sales brochure, system summary, user's guide and system guide.

**SHIPPING MEDIUM:** Tape or Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Provided at no additional cost are user and system documentation, system installation and testing, user education, comprehensive pre-installation planning and system tailoring, 180 hours of programming to tailor specific management reports, and a one-year warranty.

**I.D. NUMBER:** 2 14 0657

**ACCOUNTING SYSTEM** **ARI**

**DESCRIPTION:** This is a complete accounting system for the apparel manufacturers. The system's capabilities include:

- Invoicing/credits
- Order entry
- Commission statements
- Accounts receivable
- Order allocation
- Bill of material
- Component inventory
- Work-in-process control

This system interfaces with the Piece Work Payroll System (I.D. 2 16 0494)

It also includes miscellaneous management reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 24K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Can be modularized in installation.

**I.D. NUMBER:** 2 16 0495

**PAYROLL INCENTIVE** **ARI**

**DESCRIPTION:** The daily report of production from each employee is multiplied by a standard value to give work units produced. It can be modified by charts to increase/decrease productivity. Computer produces daily posting sheets for each plant. Recaps at end of week to produce paycheck and related reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 24K of memory
- Three disks
- Remote terminals
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 2 16 0199

**PIECE WORK PAYROLL****ARI**

**DESCRIPTION:** The Piece Work Payroll System produces a gross to net payroll. It generates various journals and earnings records. It produces the following:

- Quarterly 941As and annual W2s
- Management quarterly earnings reports
- Union reports
- Weekly make up reports

Optional functions:

- Creation of bundle work coupons
- Computations of payroll from coupons

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration to System/3-12 with 24K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Sample reports

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Can be installed in modules. Interfaces with accounting system (I.D. 2 16 0495)

**I.D. NUMBER:** 2 16 0494

**SALES ORDER PROCESSING****ARI**

**DESCRIPTION:** This system was designed specifically for the textile trade to control orders and finished goods inventory. It maintains the following files: customer master, process control, order, piece, bill of lading, invoicing, accounts receivable transaction update. It produces all of the key edit listings for validation plus the following forms:

- Receiving slips
- Delivery slips
- Bill of lading
- Invoices
- Inventory report
- Process instruction orders

It is designed for batch and online operations; both can be bought separately. It interfaces with Honeywell's Accounts receivable package to update the billing.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 32K of memory for batch and 65K for online.
- Two disks (MSU0310)
- Printer
- Card reader
- VIP 7700 (for online)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** JCL included; Full documentation.

**I.D. NUMBER:** 2 16 0574

## CONSTRUCTION

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### ACCOUNTS PAYABLE

ARI

**DESCRIPTION:** This Accounts Payable System has the capability of handling both vendors and subcontractors. The system creates and updates the history and open item files. Checks are prepared on pay week status automatically or may be withheld for particular invoices. Recaps are produced for future inquiry from vendors.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Two disks (Type 3310)
- Card reader (96 column)
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 17 0459

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### ACCOUNTS RECEIVABLE

ARI

**DESCRIPTION:** This Accounts Receivable is a complete system to maintain open-item accounts receivable on disk. It has the capability to add new invoice information, delete paid invoice records, set up and delete paid balances, plus update partial payments. It will prepare monthly statements as well as prepare them for mailing. Service fees of 1-1/2% are calculated on all unpaid balances 31 days or older. Any balances remaining from previous periods are moved to the next section, current to 30 days, 30 to 60 days, 60 days to 90 days.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Two disks (Type 3310)
- Card reader (96 column)
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 17 0460

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### CONSTRUCTION ACCOUNTING SYSTEM

ARI

**DESCRIPTION:** The Construction Accounting System is a multifunctional system which provides Accounts Payable, General Ledger, Payroll, Union Reports, Workman's Compensation Reports, Job Costing Reports, Equipment Costing Reports, Financial Reports by job and pay estimates.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- Three disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 17 0446

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### CONSTRUCTION SITE COST ANALYSIS

ARI

**DESCRIPTION:** The highlights of this system are:

- Stacking of multiple jobs
- Sub-totals for each phase break
- Analysis of estimate vs actual (over/short) per construction code, phase and job
- Computation of cost per square foot
- Detailed printouts of all activity that goes through the system, to provide proper audit trails

The system is designed for residential sites, but can be altered for commercial use.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards (96 column)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 17 0403

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### CRITICAL PATH SCHEDULER

ARI

**DESCRIPTION:** The Critical Path Scheduler provides the smaller computer user with a powerful scheduling technique. The system features include:

- Job calendar
- Job printouts
- Earnings summaries
- Cash flow

It also tracks remaining days from beginning of job to end and works backward from job completion to job beginning.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 17 0037

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### FACTS

ARI

**DESCRIPTION:** This is a complete accounting system with special emphasis on payroll reports, weekly labor cost reports, and monthly summary cost reports. Shows "as bid," "as bot" (bought), and "as committed" budgets as well as costs to date and estimated costs to complete. Can be used on cash and/or accrual basis. Contains 90 programs for the general contracting industry plus certain

subcontractors (mechanical, electrical, etc.) and heavy construction.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Three disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Terminal support available.

**I.D. NUMBER:** 2 17 0215

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**JOB COST ANALYSIS** **ARI**

**DESCRIPTION:** The Job Cost Analysis/History is a complete project cost analysis system comparing estimated and actual costs as well as quantities for material, labor, equipment and subcontract costs per cost code item. Ninety-nine divisions with ninety-nine codes per division are available. Division totals and subtotals within a division can be requested. Estimate input comes directly from price sheet. Report of stored estimate is generated. Actual costs and quantities are shown as weekly and to date job description report. Unit pricing analysis report is also available on demand basis. The system has terminal update capability.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Two disks (Type 3310)
- Card reader (96 column)
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 17 0461

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**PAYROLL** **ARI**

**DESCRIPTION:** This multicompany payroll system utilizes an employee master file with a record size of 1600 bytes, along with other payroll related files such as union, labor, etc. The system provides for all standard deductions and for the processing of a wide range of inter-related conditions, regarding hours, rates, unions, and layoffs. The system is complete with all the required file maintenance, updates, edits, check printing, register, and a number of significant reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory
- Three MSU0310 disk drives
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Extensive user procedure, complete program and system documentation.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 17 0560

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**ACCOUNTING & JOB COST CONTROL** **ARI**

**DESCRIPTION:** The Construction Industry Accounting and Job Cost Control System handles the following functions:

- Payroll
- Accounts Receivable
- Labor Distribution
- Accounts Payable
- Job-Phase Costing System
- Project Cost Control
- General Ledger & Financial Accounting
- Inventory/Stock Status
- Estimating Control System
- Engineering Applications
- Invoicing/Order Entry
- Prospect & Active Bid System
- Equipment Cost Control System
- Equipment Status & Depreciation System

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 16K of memory
- Diskette
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG or COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will fully demonstrate to prospects using their live data.

**I.D. NUMBER:** 2 17 0600

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**COST ANALYSIS & PAYROLL** **ARI**

**DESCRIPTION:** This system produces a complete construction payroll including all standard reports. It handles every type of union requirement and every type of job. In addition, it handles "extra-to-contracts."

The labor and material cost analysis features keep track of accumulated labor and material costs and compute percent of completion for both categories against original estimates.

Throughout the entire system, a distinction is made between regular hours/dollars, overtime hours/dollars, double-time hours/dollars, and total hours/dollars.

Other features include automatic fund transfer, multiple locals reported, classification of subcontractors. Any state or local tax may be included.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with minimum memory
- Two disks (MSU0310)
- Printer
- Card Reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Card, tape, or diskette (device independent)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** If 80-column card required, modification to file maintenance programs required. Fully supported but travel expenses extra. Geographical restrictions apply.

**I.D. NUMBER:** 2 17 0605

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**CONSTRUCTION FINANCIAL  
MANAGEMENT SYSTEM** **ARI**

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**DESCRIPTION:** Construction Financial Management System is a transaction-driven job cost, accounts payable, accounts receivable, general ledger, payroll, purchase order control, and depreciation package. Job cost is maintained on a transaction basis; the status is as current as the data entered. The system is sold on an installed basis only.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory for interactive system, 40K for batch
- Disks as needed
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 17 0698

**MFG.-MISCELLANEOUS**

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**MATERIAL REQUIREMENTS** **ARI**

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**DESCRIPTION:** This system allows a manufacturer to link his finished goods inventory to his raw material inventory through the explosion and implosion of a bill of material.

Technically, it is a system made up of 2 files: an inventory master file; and a formula file. The master file is an indexed sequential file and is where all data about an item is kept. The formula file is a direct access file which ties all the items together in their proper structure. The system is programmed in RPG II and has the ability to retrieve items in assembly sequence and where-used sequence. In addition, all maintenance and edit routines are included.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source program, full documentation

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System includes three days of installation assistance for each \$1,000 purchase.

**I.D. NUMBER:** 2 18 0471

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**ORDER ENTRY,  
BILLING AND INVENTORY** **ARI**

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**DESCRIPTION:** This system takes customer orders, enters and edits order entry, prints order acknowledgements, updates inventory commitments, performs open order file maintenance, prints invoices, updates inventory on hand, and creates accounts receivable records and sales records. In addition, it maintains both customer and item files. The order entry records are created by default from the customer and item files or can be over-ridden at order entry time. In addition, the fields can be changed before billing. This gives the system the ability to pickup customer ship-to name and address from the customer file or to be entered at order entry time. The actual quantity shipped can be changed at billing time which will then create a back order automatically if desired. This minimizes the amount of keying required. You now have a customer file, item file, and open order file which are constantly maintained and can therefore be used for a variety of analysis. This includes a listing of the open order file and inventory status report. The sales record can be used to generate sales reports and the accounts receivable records can be used to input the invoice totals to an accounts receivable system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3

- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source programs, full documentation

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System includes three days of installation assistance with each \$1,000 purchase.

**I.D. NUMBER:** 2 18 0470

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**ACCOUNTS RECEIVABLE**

**ARI**

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**DESCRIPTION:** This application generates Accounts Receivable Ledger, Statements, Aged Trial Balance and Credit Collection Report.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system similar to System/3

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 18 0601

**CRITICAL PATH METHOD****ARI**

**DESCRIPTION:** This program generates a "schedule" giving the longest possible duration of a project (in terms of events, activities and critical paths). The program handles 3,000 events and associated activities, and this figure can be increased depending on the core size of the computer used. The program generates a "Bar Chart", showing the various applicable activities, "critical activities" and "slack time" (with appropriate beginning and ending times and direct costs) useful for planning and scheduling purposes. The program has a number of capabilities; costs, requisition and multiple project control and resource project scheduling.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** FORTRAN**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Maintenance available. FORTRAN conversion required.**I.D. NUMBER:** 2 02 0487**I-COMP (CONTOUR MAPS)****ARI**

**DESCRIPTION:** This program is used in the analysis of experimental data that can be applied in manufacturing, production and processing. It assists personnel in quantity control, quality assurance, operations research and R & D in improving product performance, increasing product yield, affecting changes for quality control and in the development of new products and setting ranges for patent purposes. Using Response Surface Methodology statistical techniques, the program analyzes the composition of a product in terms of its characteristics or properties within desired ranges in laboratory and scale-up to pilot and operating plants. By handling a number of factors and characteristics in a single computer run, I-COMP prints contour maps showing the interrelationship of several factors on product performance. The program was used in the development and product analysis of a number of products (synthetic rubber, bread, paints, lacquers, bleaches, chemicals, plastic and paper).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** FORTRAN**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Maintenance available. FORTRAN conversion required.**I.D. NUMBER:** 2 02 0483**MIXTURE PROGRAM****ARI**

**DESCRIPTION:** This program is used for screening purposes in the selection of a product which must fulfill prescribed properties. The program has been successfully applied in the evaluation of a product in the area of research, development, manufacturing and processing. The program utilizes seven experimental data points, drawing a triangle which reflects the composition of the final product, comprised of the basic ingredients (components), where the proportions of all the components must be equal to 100 percent. The program:

- Prints the data using a selected experimental design
- Computes and prints a special cubic equation that fits a selected model of the original data,
- Plots a contour mapping on a triangle, comprising the basic ingredients, which provides the region where the best values can be obtained, aiding in the selection of the desired results.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** FORTRAN**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Maintenance option available.

FORTRAN conversion required.

**I.D. NUMBER:** 2 02 0481**PRODUCTION AND PROCESS ANALYSIS****ARI**

**DESCRIPTION:** This program provides an analysis of the product and production process so as to improve quality and yield in manufacturing, production or processing plant. The program assists management, quality control and quality assurance personnel and plant foremen in reducing customer rejection of the finished product, thus increasing profitability. Utilizing the operating data from the production plant, the program reveals information on the interrelationship between the variables in a production process or unit. The program provides the key variables, their order of importance and their interrelationship relative to selected properties on the final product. From these results, realistic quality control limits can be set and operating conditions in the plant and product optimized. Almost any product or process is amenable to analysis, since the program accommodates 50 variables. Once analyzed, variations and improvements in product or process can be realized. This program is a most valuable tool for actual production or pilot plant operations.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

FORTTRAN conversion required.

**I.D. NUMBER:** 2 02 0482

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**PREVENTIVE MAINTENANCE** **ARI**

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**DESCRIPTION:** This Preventive Maintenance Management System is designed to reduce unscheduled down time, unplanned capital expenditures, overtime costs, accidents, and production losses.

After the establishment of a data base of the known workload, maintenance procedures are set up for each activity to be performed on a regular basis. The procedure contains the specific location of the job, a job description, an assigned resource, a frequency interval of performance, a priority indicator, and a job time.

No knowledge of computers is required; a menu-picking method makes it possible for nontechnical personnel to use the program.

Support is available through consultations, instruction sessions, and seminars.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Two disks
- Tape (optional)
- Terminals for communications (optional)

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** ANS COBOL

**DOCUMENTATION:** Guidebook with exhibits and six manuals

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Training, periodic onsite visits, full support included

**I.D. NUMBER:** 2 02 0691

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**PRINTING/PUBLISHING**

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**BOOK INVENTORY** **ARI**

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**DESCRIPTION:** This Book Inventory System tracks books by an assigned number (ISBN or TAG). The record includes type code, publisher code, title (completely typed out), quantity, date book went into inventory. It also gives the quantity released from inventory, the date released, location, billing storage of books, last billed date. It has a complete file maintenance, in/out/change, lists by publisher and title alpha order. A book can be tracked individually or by like title or both. Also included is an automatic clearing of files.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-8 with 16K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 23 0499

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**CLASSIFIED AD BILLING** **ARI**

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**DESCRIPTION:** This system maintains a history of billings and remittances. The maintenance program prints name and address lists in various sequences and processes rate increases. The reports produced are: Invoices, invoice register, sales summary, salesman commission, aged trial balances, delinquent accounts, quarterly invoice detail lists and will also print mail labels.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Program also available for card system

**I.D. NUMBER:** 2 23 0462

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**NEWSPAPER ACCOUNTING** **ARI**

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**DESCRIPTION:** This system provides the following functions to a small to medium size newspaper:

- General Ledger
- Payroll
- Accounts Payable
- Transient Classified Receivables
- Display Receivables
- Circulation



**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 23 0550**PUBLICATION LABELS****ARI**

**DESCRIPTION:** Standard rate and data information publishers are required to give a sworn statement of the number of items going into 10 areas of the U.S. every six months for the "Standard Rate & Data." This becomes available to prospective advertisers. This program prepares statistics while writing the labels for a magazine. At the end of the run, it prints a total count of the labels, and totals for each of the 10 areas and each of the 50 states.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System 3/10 with 12K of memory
- Card reader
- Disk units
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** As is — 4 up labels.**I.D. NUMBER:** 2 23 0251**TEXT EDITOR — ONLINE****ARI**

**DESCRIPTION:** The system includes an overlay module EDITOR driven by a slightly modified version of Honeywell's TRS62, which handles the COBOL communications, and a stand-alone program CONVERT which copies a sequential file into the EDITOR work file, adding the necessary line-length data. EDITOR uses the concept of "current line" in its functions which, among others, include:

- Changing the current line (making another current) either to a given absolute line number or to a line number given relative to the current line
- Inserting lines either before or after the current line or at end-of-file, optionally tabulating the input using a tab character and a maximum of eight settings
- Deleting any series of lines beginning with the current line
- Printing at the online terminal any series of lines beginning with the current line
- Copying any series of lines, placing them after the current line
- Locating a string of characters, anywhere within the file, or within desired line and/or column limits
- Replacing a string of characters by another, anywhere within the file, or within desired line and/or column limits

- Converting the work file into a normal sequential file for START from the computer console when System Control Language has been entered into that work file
- Transmitting to the terminal a summary of the functions and their assorted commands available to the user

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory
- One disk
- IDCC plus VIP 7700

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 23 0501**COMPUTERIZED INVENTORY MANAGEMENT SYSTEM****ARI**

**DESCRIPTION:** The Computerized Inventory Management System collects book sales information by individual title or product and stores all pertinent information by item. It produces purchase orders for all items that drop below a desired level. It also prints out inventory reports by title, author, vendor, category, and sales ranking. It provides a periodic listing by publisher of all books that should and can be returned, retains policy information on over 1500 publishers and vendors, and produces management analysis reports to determine:

- Sales by title, author, publisher, and category
- Ratio of sales to inventory within each category
- Turnover analysis within each category

If you have a group of stores, the system will also produce all of the above described reports for each individual store, and produce combined reports for all stores, to help you pool your orders easily and economically. It will make printouts, showing on-hands for stores in a given area in order to facilitate interstore stock exchanges, maintain both individual store files and a master file for all stores, and provide master file printouts and sales analysis reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration with 80K of memory
- Two disks (MSU0310)
- Printer
- Multifunction Unit

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**DOCUMENTATION:** Operations manual**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Training and assistance available**I.D. NUMBER:** 2 23 0364**LABOR COST SYSTEM****ARI**

**DESCRIPTION:** This Labor Cost System gives labor reporting in minutes based on variable cost centers and operations. Reports include labor edit/daily employee and

cost center/periodic employee and cost center/input recovery and hour analysis/press reports/employee transfers costs.

The cost system includes labor and material for direct jobs and includes cost of sale analysis/work-in-process analysis. It gives material inventories for paper/plate/ink/carton bindery supplies including value analysis. It also gives required card forms and a combination daily work time report-time card.

A payroll system adapted for printing payrolls is available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- Two disks
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Current input is card

**I.D. NUMBER:** 2 23 0641

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**WORD PROCESSING** **ARI**

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**DESCRIPTION:** This is a general-purpose online word processing system for the preparation and generation of letter correspondence and envelopes. This system accepts user specifications and text and inserts records for printing multiple letters. The letters are modified with addresses and other variable data.

The Word Processing System has a complete set of text editing functions including margin justification, and page rolling.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 35K of memory
- Two MSU0310 disks
- One or more VIP 7700 terminals
- Line printer

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** COBOL-74

**SHIPPING MEDIUM:** Source listings, digital cassette, or purchaser supplied disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System runs under VIP Communications Supervisor; may be modified to operate under TRS

**I.D. NUMBER:** 2 23 0643

**RETAIL TRADE**

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**ACCOUNTS PAYABLE** **ARI**

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**DESCRIPTION:** Complete payables with multiple spreading of single invoice to eight general ledger accounts, check writing, cash requirements, daily trial balance and all necessary edits and balance controls.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards, disk, or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation/modification available.

**I.D. NUMBER:** 2 31 0041

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**ACCOUNTS PAYABLE — GENERAL LEDGER** **ARI**

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**DESCRIPTION:** This system provides payables entry, financial statements at any time, detailed audit trail, due-listing for maximum discount effort, check register, checks, and the monthly journal. All inventory items are coded by item number, quantity, and "ship to," and are entered by the operator by customer.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-6 with 8K of memory
- One removable and one fixed disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 31 0235

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**ACCOUNTS RECEIVABLE PHARMACY** **ARI**

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**DESCRIPTION:** The Pharmacy Accounts Receivable System maintains two permanent files: customer master and transaction files. The system contains programs for file setup, account number generator, preparation of rolodex cards, labels and year-end analysis of finance charges and prescription amount.

There are six processing programs for:

- Master file maintenance
- Accounts receivable control list for editing transactions
- Accounts receivable transaction update
- Accounts receivable journal (aged balances)
- Monthly maintenance — ages past due amounts and calculates financial charges
- Statements — prints itemized statements

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 24K of memory
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 31 0135

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**BILLING — BALANCE FORWARD** **ARI**

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**DESCRIPTION:** This system processes sales slips or cash register tapes to enter transactions into a balance forward type of accounts receivable. In addition to preparing aged statement and accounts receivable aged listings, the system can print 4-up labels and prepare sales by clerk and department. It can also maintain a department inventory analysis by entering purchases.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**DOCUMENTATION:** Source programs, full documentation**SHIPPING MEDIUM:** Disk**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** System includes three days of installation assistance with each \$1,000 purchase**I.D. NUMBER:** 2 31 0476

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**BILLING SYSTEM** **ARI**

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**DESCRIPTION:** Complete system for billing, inventory control, accounts receivable for distribution with multiple pricing by item, complete inventory with order point and turnover.

Produces open item accounts receivable, aging, statements, credit limit control. Includes sales analysis in dollars, units, return on investment, by item, customer, product line; inquiry into stock status and history information by item or manufacturer or product line.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**SHIPPING MEDIUM:** Cards, disk or diskette**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Installation/modification available.**I.D. NUMBER:** 2 31 0040

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**FINANCIAL REPORTS FOR GM** **ARI**

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**DESCRIPTION:** GM financial reports include:

- Operating Report — Computes and prints from general ledger total income and expense side to net profit or loss.
- Departmental Profitability — Computes and prints from general ledger; total page.
- Departmental Sales and Gross Profit Analysis — Computes and prints from general ledger; sales; computes gross profit and % of sales.

Run is 20 minutes.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Disk unit
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**SHIPPING MEDIUM:** Source decks (cards). (Will load to library if user's 5440 pack).**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Software changes for purchaser's system are negotiable.**I.D. NUMBER:** 2 31 0331

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**INVENTORY CONTROL** **ARI**

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**DESCRIPTION:** The Inventory Control System provides management of a retail furniture chain with information for increasing sales and profit through better control of the inventory.

The system generates documents, from purchase orders, which are used for re-entry into the system when items are sold, relieved, delivered, etc.

Three other capabilities are included:

- A Random Warehouse Location System
- An Immediate Stock Status Inquiry
- Management Information Reports including:
  - Weekly Stock Status Reports which projects understocked and overstocked items and reports both stock status and 13 month selling history of items.
  - Weekly Gross Margin Control Report which pinpoints items in the inventory that are below your Target Gross Margin.
  - Monthly Salesman Performance Report which indicates total dollar sales and gross profit monthly, year-to-date and last year-to-date for each salesman. This report also indicates the salesmans rank within his store and his percentage of gross sales to cancellations.
  - Quarterly Sales Analysis by Category which reports information by each category, living room, dining room, etc. This report is used for determining the "best" and "worst" in your line.

Normally this report is used when planning to attend the furniture market. The information in this report indicates year-to-date sales by store in both units and dollars. The gross profit amount and total sales dollars for each item as well as each category is reported.

— Quarterly Inventory Valuation Report which includes the valuation of inventory at each of the stores, in the warehouse and on order. The total value of "sold on hand" inventory is also reported.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Operating instructions, user instructions, flowcharts, printer, card and disk layouts, source program listings

**SHIPPING MEDIUM:** Source program, operating manual and user manual

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Two weeks installation support and training is available for a fee.

**I.D. NUMBER:** 2 31 0439

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#### **INVENTORY TRANSFERS ARI**

**DESCRIPTION:** The system is designed for a multiple-unit retail chain. It provides merchandise transfer from warehouse to stores priced out at cost and retail and includes calculation of intercompany profit. It also gives sales and cash receipt reports for each unit and combined perpetual inventories by product classes.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-6 with 12K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 31 0254

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#### **INVOICING, ACCOUNTS RECEIVABLE ARI**

**DESCRIPTION:** All inventory items are coded by item number, quantity, and "ship to," and are entered by the operator by customer. Invoices, product analysis, invoice register, financial analysis, balance forward receivable register, accounts aging at any time, dunning notices, monthly statements and other reports are printed. Audit trail is provided.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-6 with 8K of memory
- One removable and one fixed disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 31 0213

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#### **MERCHANDISE INVENTORY CONTROL ARI**

**DESCRIPTION:** This system is designed for low-unit, high-volume ticket price merchandise. Emphasis is on merchandising functions and sales analysis procedures to enable buyers and merchandise managers to quickly spot hot numbers, colors, sizes, etc. Projects sales by class and recommends optimum inventory levels by class to obtain highest possible volume with lowest possible carry-over and markdowns. Uses 96-column card versus garment hang-tag and turnaround document.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 31 0324

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#### **PAYROLL ARI**

**DESCRIPTION:** System includes totals by branches and/or departments. Multiple deductions allows for vacation pay, bonus pay, W-2s and 941s, automatic loans for deductions not taken. One time adjustments without disturbing master file.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards, disk, or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation/modification available.

**I.D. NUMBER:** 2 31 0042

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**PROPANE BOTTLED GAS ACCOUNTING** **ARI**

**DESCRIPTION:** This Propane Bottled Gas Accounting package includes the following:

- Prints delivery tickets for drivers.
- A/R package sales; receipts transaction register, aged T/B; adds interest to unpaid statements; past due statements; shut off orders; pick up orders.
- Call in list past due accounts.
- Customer history.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 8K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 31 0522

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**RETAIL CREDIT CARD SYSTEM** **ARI**

**DESCRIPTION:** Complete input, reporting, billing, and control system for retail credit at the single or multistore level. Presently being used to control retail credit at over 100 stores simultaneously from one central location.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-6 with 8K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 31 0266

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**SERVICE STATION SYSTEM** **ARI**

**DESCRIPTION:** This system controls sales, prices, gallons and inventory for service stations.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 31 0479

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**VENDING ROUTE ACCOUNTING** **ARI**

**DESCRIPTION:** Complete route accounting for full-line vending. Controls each machine on route. Complete control of inventory, cash collected and asset control, com-

plete service schedule, costs per cup, inventory and cash control by machine, by location, by route. Accumulates information daily, weekly, monthly, yearly. Inventory control on each truck, service schedule each day.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards, disk, or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation/modification available.

**I.D. NUMBER:** 2 31 0039

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**ORDER ENTRY (MAIL ORDER)** **ARI**

**DESCRIPTION:** This Order Entry System operates in both online and batch modes. The online part features a customer search on zip code, automatic warehouse selection, automatic pricing, automatic taxing (where applicable) and automatic editing to ensure that ship to zip code and state abbreviation agree.

The batch portion produces sales analysis, marketing analysis, shipping documents with attached labels, invoices. It also gives various order status reports, data entry reports for each input terminal, order cross reference report, inventory transaction register, and an order history report.

The system also contains maintenance programs for most of the files and file print programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 94K of memory
- Three disks (MSU0310)
- Printer
- Three VIP 7700 terminals

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG or COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 31 0616

## WHOLESALE TRADE

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### ACCOUNTING SYSTEM ARI

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**DESCRIPTION:** This system provides invoicing, accounts receivable, sales analysis, accounts payable and an integrated general ledger. It also includes payroll and personnel reporting.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** May purchase individual modules. Maintenance option available.

**I.D. NUMBER:** 2 32 0496

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** Bills customers by line item on a daily basis. Creates a weekly invoice and statement of account from daily delivery tickets. Provides a quarterly profit and loss report for each account as well as monthly sales analysis and "Days on the Books" accounts receivable. Can utilize daily units delivered data for sales commission data. Also unit sales per market order for payment of raw products. Performs all rebate and discount procedures automatically.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 28K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 2 32 0087

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### ASSET DEPRECIATION ARI

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**DESCRIPTION:** Program figures depreciation for book and tax using straight line, sum of the year's digits, double declining balance and 150% declining balance. Accepts ADR tax depreciation. Maintains prepaid and accrued expense balances, punches cards for monthly charges as direct entry to General Ledger account.

Reports become basis of personal property reports, audit reports and management of capital asset reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 8K of memory
- MFCU

- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option.

**I.D. NUMBER:** 2 32 0080

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### AUTO PARTS DISTRIBUTOR ACCOUNTING SYSTEM ARI

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**DESCRIPTION:** This is an integrated order entry, accounts receivable, inventory and sales analysis system. The system has numerous "checks and balances" to insure accuracy from initial data entry to final monthly reports. The system provides for daily order entry and editing, invoicing with automatic inventory, accounts receivable and sales history updates. The system also features automatic generation of purchase orders based on inventory levels and recent sales activity. The accounts receivable system generates monthly statements (balance forward) and produces a highly informative aged trial balance which incorporates vital sales data by customer along with the aged accounts receivable balances.

The sales analysis reports provide a detailed breakdown of sales (current and prior month, YTD, last year) by product line and by customer.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 80K of memory
- Two MSU0310
- Three cassette units
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0553

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### BACKORDER OF INVENTORY — MULTICOMPANY ARI

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**DESCRIPTION:** Complete B/O (backorder) system for any inventory. Improves customer service as much as is humanly or mechanically possible in an automated environment. Produces reports for control of inventory, purchasing and management analysis, as well as customer service. Produces customer notification post cards (two-sided/two-way for customer confirmation). If run daily, an average of 50 new, 50 filled, 10 cancelled, and 30 changed B/Os consume 30 minutes KP/KV, 30 minutes computer time (300 lpm printer) to produce seven reports, including Balance and Edit.

Prerequisites: Customer Master and Item Master Files (preferably indexed). Disk space is no problem for smaller disk systems. Backup procedure for history of B/O furnished.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to a System/3 with 8K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete with system flowchart, record layouts, run sheets, all instructions.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SHIPPING MEDIUM:** Disk

**SPECIFIC PROVISION:** Installation and training available at negotiable price.

**I.D. NUMBER:** 2 32 0350

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**BILLING/ACCOUNTING SYSTEM** **ARI**

**DESCRIPTION:** The Billing/Accounting System provides, to either a multi or single warehouse, inventory control, prepost billing and one pass updating of accounts receivable, sales and inventory. It features automatic freight calculation, online inquiry and remote job entry. It also provides a fully automatic accounts payable system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-15 with 64K of memory
- Two disks
- One tape
- Diskette
- Communications
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0436

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**BILLING/ACCOUNTS RECEIVABLE** **ARI**

**DESCRIPTION:** This system provides billing from only essential data. It includes inventory control, backorders and purchasing. The billing application is accompanied by APL program set for a terminal to a remote site.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0490

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**DISTRIBUTION MANAGEMENT SYSTEM** **ARI**

**DESCRIPTION:** The Distribution Management System (DMS) is a complete online management information system for the distribution industry. DMS spans all the areas of a distribution business. DMS is divided into subsystems that correspond to functional business areas:

- Order Entry
- Inventory Management and Control

- Accounts Receivable
- Sales Analysis
- Purchasing and Vendor Evaluation
- Corebank Reporting (for distributors of rebuilt items)

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 160K of memory
- Three MSU0310 or two MSU0330 disk drives
- Synchronous communication lines
- VIP 7700R, 7760 terminals
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 2 32 0533

---

**INVENTORY MANAGEMENT** **ARI**

**DESCRIPTION:** Complete Inventory Management System developed for a distribution company. Reviews historical sales data, lead times, cost of possession and purchase order writing costs. Establishes desired service levels with safety stock. Determines order points and economic ordering quantities condition. Tests for best buying strategy. Writes purchase orders to vendors. Package includes all necessary file maintenance programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Programming assistance available for installation or maintenance (negotiable).

**I.D. NUMBER:** 2 32 0187

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**INVENTORY MANAGEMENT — FORECASTING** **ARI**

**DESCRIPTION:** Analyzes 24 months of sales history for each inventory item, forecasts next 12 months of sales, reproducing long-term trends and seasonal cycles. Forecast determines demand during lead time period. Program track its program errors to calculate safety stock. The demand plus safety stock is the reorder point. Program also minimizes cost to carry and cost to purchase an item to determine the economic order quantity.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Program documentation and run procedures supplied when purchased

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Sample output available on request

**I.D. NUMBER:** 2 32 0038

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**MAILING LIST**

**ARI**

**DESCRIPTION:** A set of programs to maintain and print a mailing list that is controlled on a combination of last name and zip code. Selective printing can be achieved with the use of a parameter card. Package also includes programs that "hunt" for duplicate addresses, even though the names might be different. Zip analysis programs give the user an accurate look at the names available by zip center and state. The package also includes the function of producing sample mailings. This is very easy to use, uncomplicated package that maintains a clean, accurate mailing list.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 24K of memory
- Disk unit
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0046

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**MANAGEMENT PACKAGE FOR WHOLESALEERS**

**ARI**

**DESCRIPTION:** This complete Billing System features interactive entry program to virtually eliminate operator error. All pricing including negotiated contracts is handled automatically by the system. Override for cost, price, and unit of measure is provided for. Special and stock items are intermixed and sales tax, which may be overridden, is calculated automatically. There are several programs for changing prices including one that changes prices for the whole master file of 10,000 items in 1/2 hour. Accounts receivable is open item. The system features service charge calculation, aged statements, aged trial balance on demand, and various other management reports. The inventory accounting and management package features the following reports:

- Distribution by value report (ABC analysis)
- On-order report
- Daily stock transaction register
- Suggested purchase orders
- Stock status report (four options)
- Inventory counting lists
- Physical inventory and reconciliation report
- Sales analysis by customer, customer class, salesman, vendor, item, item class, and special (nonstock item)

Many programs have user switches to change report formats.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-4 or System/3-6 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source listing of all programs, KDE formats, sort specs and procedures, complete operator instructions, record layouts, and data dictionary.

**SHIPPING MEDIUM:** Disk pack source program, KDE formats, sort specs & procedures

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0043

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**MI-DIS (DOCUMENTATION)**

**HDA**

**DESCRIPTION:** MI-DIS is a planning tool, a guideline for the total information requirements of a distributor. MI-DIS is functionally oriented and defines the information needs of a distributor. This easy-to-read documentation provides specific and direct guidelines for a distribution company planning its total information needs. MI-DIS enables a distribution company to better utilize resources, reduce implementation costs, and effectively communicate with non-EDP personnel.

**DOCUMENTATION:** Product Brief (AD15)  
Summary Description (AD16)

**SHIPPING MEDIUM:** Documentation only

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**ONLINE ORDER ENTRY**

**ARI**

**DESCRIPTION:** This Online Order Entry master communications program performs the functions of order entry, maintenance to master files, and inquiry of all orders from entry through shipment. It is currently supporting 12 Honeywell 7760 CRTs. Highlights of the system include:

- Post-billing and pre-billing order entry for an unlimited number of divisions within a company
- Posting of cash receipts to accounts receivable
- Customer master file inquiry and maintenance by customer number or zip code
- Inquiry of all past shipments
- Pricing and on-hand inquiry for all inventory items by stock number or product classification
- Maintenance for all fields on inventory master file
- Control of credit limits and credit hold for customer master file
- Back order file maintenance and inquiry by customer number, zip code, stock number, or invoice number
- Data entry of order shipment information such as date shipped, number of packages, and transit line used
- Data entry of inter-division movement of stock, including internal order entry
- Automatic handling of superseded products.



**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory.
- VIP 7700 or 7760
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Brochure available for detailed explanation.**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Support available for implementation of package.**I.D. NUMBER:** 2 32 0520**ORDER ENTRY/RELEASE****ARI****DESCRIPTION:** The package contains 25 programs and can be used for retail store chains, exporter, wholesale distributor, mail order, and revolving charge retailer.

Significant features include order editing, invoicing, accounts receivables generation, backorder release and maintenance, backorder release by allocation, daily cash report, credit card debit report at time of shipment, daily sales journal, automatic handling of item substitutions and deletions, sales file generation for sales analysis, united parcel service shipping documents, picking/packing list, and inventory update of shipments. In daily use.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 24K of memory
- Disk unit
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 32 0045**PROFIT****HDA****DESCRIPTION:** PROFIT is a modular system for forecasting and replenishment. Forecasting produces a demand forecast over time and also computes safety stock. Replenishment calculates the order quantities for various replenishment policies and produces the result which best suits the user's business. Additional features such as joint ordering, order scheduling, and vendor strategy are available.

- Inventory Forecasting — produces a demand forecast over time and also computes safety stock.
- Replenishment I — calculates the order quantities for various replenishment policies, projects the financial and management consequences of these policies and produces the most suitable result for that business. A complete override capability is also included.
- Replenishment II — contains all the features of Replenishment I. In addition, it provides for joint ordering, order scheduling, and vendor strategy.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 49K of memory
- Two MSU0310 disk drives
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Product Brief (AR83)  
Application Brochure (AR74)  
Summary Description (AS89)**SHIPPING MEDIUM:** Disk copies  
Inventory Forecasting (ABD0020)  
Level I (ABD0023)  
Level II (ABD0024)

Demo Discopy (available without a contract) (A1517)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.**SPECIFIC PROVISIONS:** Minimum license term is 12 months.**REMOTE ENTRY ORDER SYSTEM****ARI****DESCRIPTION:** Order information can be entered from remote areas by using a portable terminal with a scanner to enter order information from bar codes in a pre-printed order book listing of all products. This information is recorded on a cassette and then transmitted to the central office where the order information is entered into the computer. All delivery ticket information is produced along with information outlining the products that must be bottled to fill the orders received.**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- Two disks (MSU0310)
- Sycor 340 terminal
- MSI 2100 with scanners
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 32 0512**REMOTE ENTRY SALES SYSTEM****ARI****DESCRIPTION:** The Remote Entry Sales System enters sales information from bar codes in a pre-printed sales book listing of all products by using a portable terminal with a scanner. This information is recorded on a cassette tape, and then transmitted to the central office where the sales data is entered into the computer. All billings and sales information is then generated from this information.**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- Two Disks (MSU0310)
- Sycor 340 terminal
- MSI 2100 with scanners
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0511

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**SALES ORDER PROCESSING  
ONLINE SYSTEM**

**HDA**

**DESCRIPTION:** Sales Order Processing is an online system designed to accept new orders being entered into the system and update existing orders already in the system. In a communications environment, it checks customer credit and determines whether the item is available. Also provided are the reports generally required in any order processing system, and interfaces with other systems required by a distributor. The four subsystems are Order Entry, Billing and Shipment, Sales Analysis, and Inventory Accounting.

- Order Entry — accepts new orders and any changes to previous orders, validates them and then allocates them considering substitutions, minimum quantities, partial shipments, or backorders.
- Billing and Shipment — includes the preparation of the warehouse documents of picking and packing lists, and the invoice. Included is also a sales analysis capability, key to management in tracing customer purchases, managing salespersons and knowing how well their products are moving.
- Sales Analysis — serves as a management reporting system.
- Inventory Accounting — keeps the exact status of each item in the warehouse current for stock availability checks.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 85K of memory
- Three MSU0310 disk drives
- Printer
- Card reader
- VIP 7700
- Transaction Response System (SBJ001)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AR82)  
Application Brochure (AR73)  
Summary Description (AT82)  
Handbook (AY80)

**SHIPPING MEDIUM:** Discopy (ABD6018)  
Demo Discopy (available without a contract) (A1574)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**DISTRIBUTORSHIP (BEER)**

**ARI**

**DESCRIPTION:** This Wholesale Beer Distributorship Package can be used in cash, credit, pre-sell and peddle markets. Modules contained within system:

- Invoicing (load sheets, drivers, roster, invoicing)
- Reconciliation (reconciling credits)
- Inventory
- Accounts receivable (open item)
- Sales analysis (daily, monthly, quarterly, annually)

- Product analysis
- Drivers' & salesmen's commission modules (optional)
- Variety of miscellaneous reports

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system comparable to System/3 with between 16 and 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Fully documented with operator run instruction

**SHIPPING MEDIUM:** Diskette or tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation available at a charge

**I.D. NUMBER:** 2 32 0614

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**ORDER ENTRY**

**ARI**

**DESCRIPTION:** The online part features a customer search on zip code, automatic warehouse selection, automatic pricing, automatic taxing where applicable and automatic editing to ensure zip code and state abbreviation agreement.

The batch portion produces sales analysis, marketing analysis, shipping documents with attached labels, invoices, various order status reports, data entry reports for each input terminal, order cross-reference report, inventory transaction register, and an order history report.

The system also contains maintenance programs for most of the files and file print programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 Model 40 central system with 96K of memory
- Three disks (MSU0310)
- Three VIP 7700 terminals

**OPERATING SYSTEM:** GCOS Level 62 Release 0500

**PROGRAMMING LANGUAGE:** COBOL and RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0630

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**SALES ORDER PROCESSING**

**ARI**

**DESCRIPTION:** The package generates the following reports: picking list, loading list, invoices, an invoice register, a profit per order, stock-outs by item and by customer, a stock status report for institutional merchandise, a stock status for produce items, a list of items received for the day, a daily price change report, receiving documents, price cuts by customer, price cuts by salesman, produce price list, institutional merchandise price book, produce stock-out list by customer, list of items by warehouse, delivery line-up by customer, bit price list, customer order cards, customer list by salesman, and a customer list which includes all customer information.

The entire package is run under a cardless environment. The package contains the following online features:

- Customer Information File (for inquiring, adding, changing, and deleting information)

- Item Information File (for inquiring, adding, changing, and deleting information)
- File for Section Headings in the Price Book (for inquiring, adding, changing and deleting information)
- A Costing Screen (the screen displays an item with its pertinent information, such as quantity on order, quantity on hand, and shows the list price of this item as well as four other prices based on lowest cost plus 6 percent, 10 percent, 12 percent and 15 percent)
- A Vendor File (for inquiring, adding, changing, and deleting information)
- Order Entry (several screens for entering customer number, bringing up the customer information, and entering the customer's order)
- An Invoice Correction Screen (this screen is used for correcting the invoice after the order has been loaded on the truck; the invoice is then printed listing exactly what has been shipped)
- A Purchase Order and Receiving Entry Screen (this screen is used for entering purchase orders and also for receiving merchandise; printed records include entry of purchase orders and daily listings merchandise received)

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 50K of memory
- Two disks (MSU0305)
- VIP 7700 Terminals
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0575

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**DISTRIBUTION PACKAGE** **ARI**

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**DESCRIPTION:** This distribution package is used for invoicing, balance forward, accounts receivable, and inventory management. It produces aged trial balance statements, customer sales analysis, inventory control, and management reports. Reports include end-of-quarter and order-point calculations, purchase order status, and sales analysis.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 32K of memory
- Disk
- CRT
- Diskette
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 2 32 0658

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**SALES ORDER PROCESSING** **ARI**

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**DESCRIPTION:** Sales Order Processing is a transaction-driven package for order entry, accounts receivable, payroll, accounts payable, general ledger, inventory con-

trol, and depreciation. The system handles up to 100 companies in multiple states; billing criteria can be different for each customer. The system is sold installed only.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory for online, 36K for batch
- Disks as needed
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0699

## BANKING

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### CLUB ACCOUNTING

ARI

**DESCRIPTION:** This system handles Christmas and all other club accounting. Reports are produced by club amount, month and year to close, in branch. When month and year to close is reached, checks, a check register, and 1099s are produced.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0347

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### INSTALLMENT LOAN ACCOUNTING

ARI

**DESCRIPTION:** This system provides a full set of management and accounting reports, including new business and delinquency by branch, officer, dealer, and type; it affords complete delinquency control. It also provides an account history report, year-end interest reports, tax reports and tax forms to customers. Checking accounts can be charged for payments (a preauthorization feature), extensions are possible, and payment skips can be allowed for qualified borrowers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0346

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### PAYMATIC

ARI

**DESCRIPTION:** Paymatic performs the key accounting and interfacing tasks of a telephone/mail/cable television bill-paying service provided by financial institutions to retail customers and commercial accounts (merchants).

For the merchant, these tasks include paying the merchant by consolidated check, deposit to the merchant's account, or automated clearing house transfer, reporting to the merchant the accounts and amounts that are to be credited, and maintaining an audit trail of these payments.

For the customer, the system provides maintenance of a personal list of merchants, a Personal Identification Number (PIN) for security, the ability to transfer money from savings to checking to pay bills, the ability to "value date" transactions for future transfers, the ability to

establish automatic payment of fixed amount recurring bills, the ability to assign one or more expense codes per vendor and automatically print total payments by expense code. Additionally it offers the ability to enter twelve months of budget information per vendor/expense code for comparison to actual expenses both month-to-date and year-to-date as a useful money management report. Reporting transactions made is accomplished by a mail turn-around document (Super Check), by separate statement recapping date and amount of transactions by vendor for any time period (monthly, quarterly, or yearly), or by passing transactions to the DDA or savings system for printing on that statement.

For the financial institution, the system automates all internal funds transfers from checking or savings to any other department, calculates and assesses service charges based on almost any criteria, and prepares the general ledger credit to service fee income. It prints statistical reports highlighting system usage and labels for both customers and vendors. It provides for checking of the customer's balance before the merchants are paid, communicates with all internal application processing systems in user defined formats, and provides for verification by the merchant of the customer entered account number with merchant field, and various automated marketing assists.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 54K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 2 41 0675

**CREDIT/LOAN AGENCIES  
(NOT BANKS)**

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**CREDIT UNION** **ARI**

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**DESCRIPTION:** The application contains 22 programs and does the following:

- Process a biweekly deduction (can be used on any type of pay period)
- Calculates and distributes the amounts to shares, interest paid and principal repaid
- Interest on loans is based on a daily rate times the number of days since the last payroll deduction or last transaction against the loan
- Master file update of new members, changes to existing members and other transactions besides payroll deductions; i.e., cash receipts, new loans, share withdrawals, journal entries, etc.
- Prints a trial balance of members accounts
- Prints individual share and loan register with transactions cumulative from beginning of the year to the end
- Prints quarterly individual statement of accounts
- Calculates dividends for any length of dividend period
- Schedule of delinquent loans
- Statistical analysis of share and loans

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration compatible to System/3-10 with 16K memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 42 0034

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**ONLINE CREDIT UNION SYSTEM** **ARI**

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**DESCRIPTION:** This is comprehensive multicompany system which provides all the necessary accounting functions of a credit union. The system is operated in a communications (online) environment and an offline batch environment which provides the basic reporting functions of the system. Payroll deductions are automatically distributed to loan and share accounts according to the employees' specifications.

The online function provides:

- Teller check and cash accounting
- Share and loan setup, maintenance and display
- Loan payments and disbursements
- Share deposits and withdrawals
- Status of teller, office, or credit union activity
- Status of all loans and shares of a particular member
- Miscellaneous transactions
  - Money order sales
  - Theater ticket sales
  - General ledger
  - Check cashing

The offline batch programs provide necessary reporting and master file maintenance functions such as:

- Transaction listings from the online activity
- Trial Balance
- Share and Loan file summaries
- Account statements for mailing to the members
- 1099 report

The system also provides miscellaneous information such as:

- Mailing labels (sequenced on zip-code, member number, or name)
- New loan report and closed loan report
- Closed account report
- File status reports
- Delinquent accounts

and provides maintenance on such master file fields as monthly, quarterly, and yearly amounts as well as dividend calculation and posting.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 80K of memory
- Type 310 disk
- Printer
- Terminals
- Online printers
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 42 0503

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**CREDIT UNION SYSTEM** **ARI**

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**DESCRIPTION:** The "ABACUS" credit union system provides up to three different share accounts per member (regular share, Christmas club, special) — accounting for nine loan accounts per member; plus operational, management and marketing reports. It gives member statements and mailing labels; open-end loan capability with statement disclosures. Among standard reports are: a quarter-to-date balance and transaction listing with control totals; weekly/monthly delinquent loan reports and loan analyses; quarterly statements; quarterly, semiannual and/or annual report of projected dividends and interest refunds; quarterly, semiannual reports of actual dividends and interest refunds. The system provides annual 1099 reporting on magnetic tape; audit-verification.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K memory
- Three disks (MSU0310)
- Two MTU009 tapes
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** ANSI COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Geographical marketing restrictions apply. Installation help available as extra expense.

**I.D. NUMBER:** 2 42 0607

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**COMMERCIAL LOAN SYSTEM****ARI**

**DESCRIPTION:** This system provides a variety of services for commercial loan institutions: alphabetic trial balance, indirect liability, multiple bank, single-pay or scheduled payment loans, separate participation, collateral and endorser files, central name and address file, interest bearing, discounted or add-on notes, extensive editing, comprehensive documentation, and automatic accrual adjustment.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Two disks

**OPERATING SYSTEM:** GCOS**PROGRAMMING LANGUAGE:** RPG II**DOCUMENTATION:** Comprehensive user and technical documentation available**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 41 0036

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**FINANCE**

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**ACCOUNTING STOCKBROKER****ARI**

**DESCRIPTION:** This is a complete system for home office accounting, customer records, stock position margin accounting, sales analysis, and regulatory records. It covers reporting for NYSE, ASE, CBOE, and OTC member firms. System has been developed in-house and in use since 1968. The system can handle up to 300 trades per day with 10,000 stock positions and 5,000 active customers in an eight-hour day with one programmer and two combinations keypunch/computer operators. Additional capacity available with larger core and disk drive.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K memory
- Two disks
- Card reader/punch
- Disks
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**DOCUMENTATION:** Operating instructions, card formats, and form layouts**SHIPPING MEDIUM:** Disk pack**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Price includes help in on-premises installation.**I.D. NUMBER:** 2 43 0212

## REAL ESTATE

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### MULTICOMPANY REALTY GENERAL LEDGER

ARI

**DESCRIPTION:** The system maintains a chart of accounts with the necessary descriptive information, posts journal entries to update YTD balances, accumulates a 12-month listing of account balances and prints various financial reports such as income statements, balance sheet and detail posting register.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual

**SHIPPING MEDIUM:** Disk and Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 44 0088

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### PROPERTY MANAGEMENT

ARI

**DESCRIPTION:** This is an online Property Management System including tenant accounting, accounts payable, general ledger and financial reporting. Transactions are entered on 9600 baud video display terminals (synchronous polled and select environment). All data is verified, edited, and balanced online. It gives complete property management reports and analysis including tenant billing and payment turnaround card that is both punched and read optically by card reader; rent roll, and numerous other management reports. Accounts payable and tenant accounting feed directly into the General Ledger system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory
- Three (MSU0310) disks
- 600 cpm reader with mark sense
- 400 lpm prints
- Card punch

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 44 0585

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### PROPERTY MANAGEMENT

ARI

**DESCRIPTION:** This system handles all general ledger accounting functions for a departmentalized, full-service, real estate brokerage and property management firm. It provides profit and loss reports for up to nine divisions and for up to nine subdivisions, within each larger division. In addition, the property management subsystem handles all accounting functions for a full-service property

management firm. This subsystem, like the general ledger subsystem, is a fully integrated system in which only a minimum amount of data input effort is required to produce a complete range of reports to satisfy needs of owners, property managers and their respective employees, accountants and auditors. Special emphasis is given to the manager's need for up-to-date, on-request status reports, fully documented audit trails, and detailed system operating instructions. Very extensive input editing routines prevent most of the problems resulting from operator errors and ensure high quality reports. The system was designed to be used as a tool in a real estate firm and as such, utilizes the language of the real estate business in its instructions, input forms, and reports, not the highly technical jargon of the data processing industry.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/32
- Fixed disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 44 0629

## INSURANCE

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### LIFE PACKAGE SYSTEM ARI

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**DESCRIPTION:** The Life Package System deals with individual life policy maintenance, premium renewals, commission, valuation statistics, new business information, fund investment, claims, maturities, and conversion.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disks
- Tape (optional)
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 51 0502

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### INSURANCE PACKAGE ARI

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**DESCRIPTION:** This is a full insurance package for rating programs — N.Y. voluntary and assigned risk; N.J. voluntary and assigned risk. Provides such features as policy writing, endorsement writing, billing, and trial balance.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 52 0226

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### INSURANCE PROCESSING (ONLINE — BATCH) ARI

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**DESCRIPTION:** This system is for both online and batch processing. The online data entry and inquiry system has access to agency master, inforce policy master, loss history master, claim file master and secondary input stream files for multiple activities. Secondary indices exist for all master files. It provides limited updating with password to agency master and inforce master. Data entry of all input with correction capability via CRT is available. The system interfaces with the batch system via an extract program which maintains the CRT data file.

Batch applications are broken into four subsystems: claims, policy, accounting, and statistical. Features include general ledger, agent account statements, commission checks, journals, loss reports, reinsurance reports, Schedule P, IBNR analysis, loss detail, loss history by policy, premium and earnings report, state, agent, territory, class, and peril breakdowns, interface program for NAII reporting, auto

issuance of policy declarations, renewal bills and endorsements, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory
- Three MSU0310 disks (dependent on file size)
- Two tapes
- Communications options
- Cassette
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Purchase price includes source image on tape and copies of all existing documentation. Additional support available. Contract restricts use of programs, source and documentation.

**I.D. NUMBER:** 2 52 0504

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### AUTO INSURANCE QUOTING ARI

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**DESCRIPTION:** This online application was developed for independent insurance offices. The system quotes automobile insurance premiums for up to eight insurance companies. The system automatically calculates and applies rating factors to base premiums. It includes quote history retention, daily billing, daily accounts receivable statements, aged trial balance, and payment applications.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 16K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 53 0663



## EDUCATION

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### ADMINISTRATIVE GUIDE

ARI

**DESCRIPTION:** This manual will assist a school administrator in the construction of the Master Schedule. Contains: Responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

**SHIPPING MEDIUM:** Documentation only

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 71 0351

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### HIGH SCHOOL ATTENDANCE SYSTEM

ARI

**DESCRIPTION:** Provides information on all students and their classes. Gives class, students, absent lists; quarter-to-date student attendance record. Also handles state-required reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program description, operating instructions, data recording instructions, source code

**SHIPPING MEDIUM:** 96-column cards or purchaser supplied IBM 5440 disk cartridge

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 71 0049

---

### SCHOOL BUDGET ACCOUNTING

ARI

**DESCRIPTION:** Conforms to California School Accounting Manual. Handles multiple funds, purchase orders, vendor warrants, income, abatements, claim lists, encumbrance and budget lists. Optional payroll subsystem ties directly into budget package to reflect payroll.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridges

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 71 0050

---

### SCHOOL EQUIPMENT INVENTORY

ARI

**DESCRIPTION:** This equipment and fixed asset inventory system is designed specifically for school systems. The system maintains a location file, classification code file, and the inventory file itself. The reports generated include a location list, classification list, physical inventory source report, missing item report, transferred item list, and a serial number to I.D. number cross reference. In addition, the system prints gummed identification labels which are placed on the item as well as a Master Inventory List by I.D. number, location, or classification. The system is also set up to list whatever selected groups of items the user requires.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 71 0348

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### SCHOOL PAYROLL SYSTEM

ARI

**DESCRIPTION:** This is a payroll system designed for the school environment. It can process both public employees and state teachers retirement plans. There is no limit to the number of employees, number of salary sources per employee or deductions. It produces all the standard payroll reports plus a fiscal history file for printing the employee permanent record.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 12K of memory
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Manual containing written program descriptions, system flow charts, operating instructions, data recording instructions and record layouts.

**SHIPPING MEDIUM:** 96-column cards or purchaser supplied disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 71 0537

---

**STUDENT ACADEMIC RECORDS** **ARI**

**DESCRIPTION:** Student Academic Record gives online management of all student information (personal and academic) from the time of the first inquiry letter until graduation. There are four basic phases:

- Application Processing — Online control of information on all applicants until all admission requirements are completed. It writes personalized letters (follow-up, acceptance, or rejection) at appropriate times. When the applicant is accepted, all required files are created automatically.
- Registration Processing — Provides online processing of all students through registration. An editing function ensures that all restrictions on courses and students are observed. It produces required documents for entering classes and paying fees, and produces fee records for entering into the General Ledger system.
- Miscellaneous Processing — This function produces various class rolls to be used by the instructors. Online inquiry shows the student's complete schedule for the semester. It produces the student's transcript upon graduation.
- Grade Processing — This function provides online entering of grades at the end of the semester, recalculation of grade point averages, and printing of grade reports for the semester.
- This system works in conjunction with Honeywell's Transaction Response System.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory.
- Three disks (MSU0310)
- Printer
- VIP terminals
- Optional card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Usage instructions, file/record descriptions, system flow chart, codes, sample reports/forms.

**SHIPPING MEDIUM:** Discopy tape — source only

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 71 0613

---

**STUDENT PROFILE** **ARI**

**DESCRIPTION:** Takes available information from each student at registration time and produces the following reports:

- Alphabetical listing of student names
- Alphabetical listing of student names by major
- Summation of student data by major
- Listing of students by high school graduation
- Listing of potential graduates at the end of the term
- Mailing labels
- Breakdown report of credit hours taken
- Credit hour distribution by sex and zip code
- Credit hour distribution by sex and housing type
- Credit hour distribution by age distribution

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 2 71 0109

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**STATISTICAL ANALYSIS** **ARI**

**DESCRIPTION:** STAT01 and STAT02 are two programs of a Statistical Analysis System. STAT01 calculates a Pearson's (r), Student's (T) score and Spearman's rank order coefficient on a given set of X and Y values (i.e., standard deviations and variances of the data points are also calculated and printed). No attempt is made in this phase of the system to screen data. The user must supply data to the programs in the manner he desires either by keying different sets of data to be entered or writing a pre-program to calculate. Phase one — Select the appropriate data points for entry to the system. Phase two — The system creates a correlogram and plot of the regression equation on the printer. It is necessary to have direct file organization support on your system to run phase two. Both phases are written in RPG II programs well commented for easy uses, alteration and addition.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-12 or 15 with 12K of memory
- Two disks
- Input device
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Diskette or 96-column card

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Questions answered free. Alterations/additions by mutually agreed price.

**I.D. NUMBER:** 2 71 0542

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**TEST SCORING (GPSCORE)** **ARI**

**DESCRIPTION:** The system scores multiple choice tests based on an answer key. Two operational modes are norming (deriving percentiles) and scoring (for mass grading after percentiles have been derived from sample).

Other options are:

- Question may be omitted
- Question may have multiple correct answers
- Responses may be numeric or alphabetic
- Scores are given for the whole sample in percentiles
- A questionnaire may precede the test to segment the test group into subgroups of comparisons can be made within the subgroups

- There is no limit to the number of tests which can be scored; variable score sheet headings are allowed
- A post-run analysis tallies responses for the entire test group and each subgroup; percentiles are displayed along with individual test raw scores in the norming mode

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Alterations, extra options available and negotiable.

**I.D. NUMBER:** 2 71 0268

**GOVERNMENT**

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**COUNTY RECORDERS INDEX** **ARI**

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**DESCRIPTION:** Prints county recorder's index on a year-to-date basis by grantor and grantee.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code.

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridge

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0123

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**COUNTY TAX COLLECTIONS** **ARI**

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**DESCRIPTION:** The County Tax Collections System provides for collection of taxes, penalties, and special assessments. The system produces audit trail throughout the entire system. Reports produced are: File Maintenance Register, Collection Balance, Collection Register, Collection Summary by Tax Code Area, Year-to-Date Reports, County-Wide Collection Summary showing amounts and percentages due. The system can also generate mailing labels.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code.

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridges

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0126

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**MUNICIPAL ACCOUNTING SYSTEM** **ARI**

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**DESCRIPTION:** This accounting system is an integrated system designed to provide the city with management and accounting reports on an accurate and timely basis. Basic source documents are cash receipts, disbursement vouchers, journal entries, and budgetary information.

These documents are combined with accounting master file data to provide the following types of reports:

- General ledger
- Encumbrance reporting
- Revenue statements
- Expenditure statements

Extensive controls and audit trails are used to insure accuracy of financial statements.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 8K of memory
- Card reader
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Accounting manual, data processing manual, keypunch manual

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0250

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**MUNICIPAL PAYROLL** **ARI**

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**DESCRIPTION:** Provides for full payroll and associated reports. Includes provisions for retirement and individual retirement accounts. Also, a job costing is done to reflect payroll into city budget.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code

**SHIPPING MEDIUM:** 96-column card or purchaser-supplied IBM 5440 disk cartridge

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0122

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**PAYROLL** **ARI**

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**DESCRIPTION:** This payroll package is easy to modify to any environment. The system loads all employee additions, changes, and time records to disk. The programs select appropriate records for processing. Job stream produces new employee list, changes list with error editing, time record error list, payroll register with combined year-to-date and current figures, check register, and time sheets. Insertion of certain statements produces general ledger entries. Master record maintains up to ten employee selected deductions and personnel information.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0354

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**REAL ESTATE TAX** **ARI**

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**DESCRIPTION:** This is a system, developed for a local county that maintains and processes a file established by an assessment firm. The system performs file maintenance, calculates property values, produces property cards, and produces all reports necessary at billing time (includes bills ready to be mailed).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 24K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will provide full documentation and personal contact with interested party.

**I.D. NUMBER:** 2 73 0247

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**TAX ASSESSMENTS** **ARI**

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**DESCRIPTION:** This is a full tax assessment system including bills, notices, indexes, rolls, exemptions and disclaimers, government parcel lists, and apportionment summaries. The system handles the secured, unsecured and utility rolls. In daily use.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code.

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridge

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0124

## MEDICAL

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### CLINICAL LAB REPORTING SYSTEM

ARI

**DESCRIPTION:** This system is designed for a 300-bed or smaller hospital. All data entered by keyboard or on floppy disk. Keyboard entry is edited by CP. Floppy disk is verified and edited later by CP. Provides the following output:

- Continuous cumulative laboratory report
- Alphabetized departmental logs
- Alphabetized census
- Discharge cumulative report for attending
- Itemized invoice 3 days after discharge
- Monthly statements
- Medicare, Medicaid, VA, Blue Shield Forms

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3 with 32K of memory
- Three disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0365

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### EQUIPMENT MAINTENANCE SCHEDULING

ARI

**DESCRIPTION:** The input code form necessary for system requires the following: equipment name, number, room, time required for job, frequency of maintenance, week last maintained, and description of job to be done. Each week the data deck containing the above is read by the system. The header card controls the various jobs to be listed. When a job card is due for maintenance, the description is listed and a new job card is punched to replace the previous card. At the end of the run, the jobs listed also have a stacker-selected card. These cards are handed out to various personnel for assignments. The card is returned when the work is done. The start and finish times are logged on the card for verification.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 8K memory
- 96-column card reader
- 96-column card punch
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** System flow chart, sample input, data code form, data card layout, card output layout, header card layout, printer output layout, operating instructions

**SHIPPING MEDIUM:** RPG source deck, source deck listing, all other layouts

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0249

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### FIXED ASSET REPORT

ARI

**DESCRIPTION:** The system lists and computes location, item number, quantity, description, year acquired, total life, year fully depreciated, unit cost, total cost, current year depreciation, depreciation reserve, and unrecovered cost of items. The program produces a summary total broken down to each department level. It punches a summary for each department and lists summary totals. Uses straight line formula.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- 96-column card reader
- 96-column card punch
- Printer
- Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** System flow chart, sample input data code form, data card layout, output summary card layout, header card layout, printer output layout, operating instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SHIPPING MEDIUM:** RPG source deck, source deck listing

**I.D. NUMBER:** 2 74 0231

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### HOSPITAL ACCOUNTING SYSTEM — HAS/62

FDA

**DESCRIPTION:** The HAS/62 is an integrated patient accounting system for hospitals and similar health care facilities. It includes the census, billing, accounts receivable, payments/adjustments and revenue functions. HAS/62 processes both inpatients and outpatients. Processing capabilities include:

- Complete inpatient, outpatient, and accounts receivable processing
- Extensive occupancy, revenue, and third-party statistics
- Wide range of audit controls
- Automatic room and board charges
- Automatic pricing of goods and services
- Automatic final billing
- Automatic transfer of discharged accounts to accounts receivable
- Automatic zero balance purging
- Cost control and forecast reporting
- Bad debt processing
- Budget payment processing

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 central system with 80K of memory
- Mass storage subsystem
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AK99)  
Summary Description (AN01)  
Honeywell's Hospital Accounting (promotional) (AT76)  
**SHIPPING MEDIUM:** Card images tape (disks, tapes, cards, etc.) (ABH0001)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
**SPECIFIC PROVISIONS:** The product is offered with a fully paid-up license or a monthly license fee.

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**HOSPITAL FINANCIAL APPLICATION      ARI**

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**DESCRIPTION:** The Hospital Financial Application System provides patient billing including revenue and usage, census, detailed final bills and a complete audit trail. It also gives accounts receivable, accounts payable and general ledger. Included in the system is the asset depreciation for inventory. Medical records abstracts and historical medical record reporting are among the many reports available from the comprehensive system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-8 with 32K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0465

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**MEDICAL BILLING      ARI**

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**DESCRIPTION:** This system was designed for data input, editing, and processing of all necessary insurance forms and patient billing statements for a medical group or clinic. In addition it has the capabilities of producing a complete list of procedures performed by doctor reflecting average fee for each procedure with the corresponding price variance, and departmental analysis showing procedures performed within department. All charge records are saved in a history file for patient inquiry and year end listings of charges by patient.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source programs, full documentation

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System includes three days of installation assistance with each \$1,000 purchase

**I.D. NUMBER:** 2 74 0475

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**MEDICAL BILLING      ARI**

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**DESCRIPTION:** This system handles billings to all major insurance sources. These include: Medicare, Medicaid, Blue Shield, private patient, direct account billing, and all other insurance printed on an approved American Medical Association form. Provision has also been made to handle patients with multiple insurances. Auxiliary reports to the system include: Input audit list, accounts receivable, trial balance, rejection report, gross and net sales reports, frequency reports. The system interfaces with the Medical Laboratory Reporting System, I.D. Number 2 74 0385.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory
- Two disks
- Card reader
- Printer
- Three communication lines

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0384

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**MEDICAL CLINIC SYSTEM      ARI**

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**DESCRIPTION:** The Medical Clinic System is a complete accounting, billing and production system for all size medical clinics (ranging from four to over 50 doctors). The system performs daily, weekly and monthly billing and production accounting, including third party insurance billing and accounting.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance is included in the purchase price or monthly rental.

**I.D. NUMBER:** 2 74 0127

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**MEDICAL LABORATORY REPORTING      ARI**

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**DESCRIPTION:** The Medical Lab Reporting System is a real time, CRT input and inquiry system.

When specimens are received by the laboratory, the system logs in the time received and edits all data before updating.

The following reports can be run on a cyclic or demand basis:

- Lab Work Sheets
- Log Sheets (includes STAT log)

Test results are updated via CRT and are completely edited to assure accurate reporting. The following reports are then generated:

- Abnormal Result List
- Highly Unusual Result List
- Overdue Reports
- Result Reports (flags abnormal values)
- Follow-up Reports

CRT's are also used to certify results and as an inquiry media to the result data base. All file maintenance is via CRT making this a complete cardless system.

Auxiliary reports include:

- Account Activity
- Supply Usage
- Test Activity

The system interfaces with the Medical Billing System, I.D. Number 2 74 0384.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory
- Two disks
- Three communication lines
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0385

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#### **PATIENT BILLING AND ACCOUNTS RECEIVABLE**

**ARI**

**DESCRIPTION:** The Minicomputer Patient Billing and Accounts Receivable System (MINI-PBAR) includes complete insurance reporting for medical or dental offices, groups, or clinics with local and remote terminal input and inquiry. It can be used as an in-house system or for use by service firms servicing doctors. The system features a comprehensive family/patient master file with information on up to nine dependents as well as insurance company data and financial information. MINI-PBAR provides for use of the RVS (Relative Value Studies) procedure files and the ICDA (International Classification of Diseases) file for diagnosis.

MINI-PBAR provides a video display with formats to record data from the patient registration, patient encounter, and a payments and adjustments form. From this simple input, MINI-PBAR provides:

- Video display inquiry displaying account information
- Automatic or manual fee-setting
- Daily receipts register
- Doctors daily activity report and doctors charge and payment summaries
- Statements in a SUPER-BILL format
- Insurance claim forms for Medicare, Medicaid, and private carriers
- Aged trial balance, diagnostic analysis reports
- Professional practice analysis by doctor

MINI-PBAR has the ability to establish installment payment plans and levy a finance charge for the delinquent patient accounts.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration with 16K of memory
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete documentation and test data.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System includes RPG software source code.

**I.D. NUMBER:** 2 74 0491

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#### **INPATIENT BILLING**

**ARI**

**DESCRIPTION:** More than thirty-five comprehensive reports, most of them issued daily, comprise the heart of the KeaMed Inpatient Billing and Accounts Receivable System. All reports are descriptive and easily read by the hospital staff, patients, and third party insurance carriers. The system performs automatic adjustments, including retroactive adjustments for all changes in financial class, medical service, occupancy, census, and room and board statistics, right down to individual nursing station levels.

The KeaMed Inpatient Billing and Accounts Receivable System combines information from six major hospital activities to provide a complete reporting and audit profile, day by day, of hospital activities. Description of the six major subsystem modules follow.

- Patient Census including reports listed by nursing station, alphabet and religion; occupancy statistics and bed availability; dollar controls on admission, transfer and discharge reports; late and special admissions; automatic adjustment to occupancy statistics for late admission/discharges
- Insurance such as simple insurance coding for standard, non-standard, and modified standard plans; three insurance plans for each patient with two levels of coverage; full and complete insurance proration; coordination of benefits; verified insurance, and others
- Daily Financial Transactions including room and board charges and patient charges and payments
- Billing accommodates acute and extended care institutions; custom-tailored bill formats and narratives; automatic preparation of third party bills; prorates and coordinates insurance benefits with automatic generation of allowances and many others
- Income Reporting includes income analysis by financial class, medical service, and nursing station according to procedure within ancillary department; monthly and year-to-date totals; income maintained in detail for full year
- Accounts Receivable and Collection for a variety of aged trial balance reports by payment responsibility; segregation of discharged and in-house patients, subsidiary trial balance reports of individual insurance balances, third party logs, statements

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Two disks (MSU0310 or MSU0320)
- 800-1600 bpi 9-track tape
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Full facilities management system available.

**I.D. NUMBER:** 2 74 0598

**MEDICAL BILLING SYSTEM** **ARI**

**DESCRIPTION:** This system was designed to handle any size clinic with multiple doctors, multiple locations, as well as an independent doctor (dental billing or any other medical billing category). The system keeps track of each patient from the day of entry, and reporting capabilities allow tracking of each individual patient tied to the appropriate responsible party account number for family billing. Daily edit reporting for cash and charge amounts, weekly, monthly account activity reporting, monthly patient statements, monthly professional services recap by doctor, and also consolidated for each clinic. Subsystem available for Medicare/Medicaid reporting on Magnetic tape. The new uniform insurance reporting form is supported.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with minimum memory
- Two disks (MSU0310)
- One tape (optional)
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Tape or disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installed at user location at additional charge for expenses. Programming modifications available. Geographical restrictions apply.

**I.D. NUMBER:** 2 74 0606

**OUTPATIENT BILLING** **ARI**

**DESCRIPTION:** This system has six modules: admissions, insurance, charges, billing, income reporting, and accounts receivable collections. It gathers and bills all charges from every hospital area and cross-references patients in both alpha and patient number sequences.

Principal Reports include Transaction Reports, Doctor Listing, Profile Listing, Data-Mailer Bills, Third-Party Bills, Patient Dunning Statements, Income By Medical Service (YTD), Income By Medical Service (MTD), Trial Balance, Aged Trial Balance, Trial Balance Cross Reference, Income and Units by Procedure, Income and Statistics by Financial Class, Income and Statistics by Clinical Service.

Special Features are:

- Automatic generation of third-party bills, either continuous form printed or magnetic tape
- Complete patient coverage and treatment information maintained on data base for automatic insertion on bills
- Emergency room charges generated automatically
- Automatic pricing and insertion of clinic and ancillary charges
- Automatic proration of charges according to plan coverage
- Customized formats, messages or statements as required by provider specification

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Two disk (MSU0310 or MSU0320)
- 800-1600 bpi 9-track tape
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0599

**GROUP (CLINIC) BILLING** **ARI**

**DESCRIPTION:** This Medical Group (Clinic) Billing system is for groups of three or more physicians, dentists, podiatrists, radiologists, anesthesiologists, or hospital emergency rooms. It handles billing and insurance claims (Medicare, Blue Shield, Group Insurance, Medicaid). This system analyzes all open insurance claims and gives aged trial balance, collections, practice analysis, and financial summaries. It has strict accounting controls.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- Disk
- CRT Terminal
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Price includes installation and training. License to use in one computer for one medical practice.

**I.D. NUMBER:** 2 74 0690

**NURSING HOMES** **ARI**

**DESCRIPTION:** This system was designed along the same guidelines used by the Federal Government to design Medicaid. It is an accounting, reporting, and claims processing system easily modified to operate in each state. It meets the needs of individual states and minimum federal government review guidelines. It is a method of delineating the cost of services actually rendered to individual nursing home patients and a comparison of reimbursement for those services. It has nine separate modules that



can be installed and/or operated individually or as a total package. The nine modules are:

- Accounts Payable
- Payroll
- Accounts Receivable
- Fixed Assets and Depreciation
- Automatic Ancillary Pricing
- General Ledger
- Profit and Loss
- Patient History
- Inventory Control

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration with 64K of memory
- One disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG or COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D.NUMBER:** 2 74 0661

**BUSINESS SERVICES**

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**ACCOUNTS PAYABLE** **ARI**

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**DESCRIPTION:** This system processes either invoices or voucher. It handles multiple companies and multiple divisions.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 24K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D.NUMBER:** 2 76 0176

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**ACCOUNTS PAYABLE** **ARI**

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**DESCRIPTION:** A complete Accounts Payable System including vouchering, check writing, open items listing, aging, account distribution, supplier volume, year-to-date voucher history and other reports.

Flexible, handles exceptions easily: discounting, anticipation, partial payments, manual payments, check voiding, voucher removals, etc.

Easily interfaced with expense ledger, general ledger or raw material inventory system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- MFCU
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete including users training manual covering all input forms and procedures, exceptions, problem solving

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Systems engineer available to aid in conversion (daily fee basis).

**I.D.NUMBER:** 2 76 0196

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**ACCOUNTS PAYABLE** **ARI**

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**DESCRIPTION:** This system performs all necessary accounts payable functions which includes expense distribution, check writing, check register, cash requirements and vendor analysis. The cash requirements allows management to override preselected payments before checks are rewritten.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk

- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source programs, full documentation

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System includes three days of installation assistance with each \$1,000 purchase.

**I.D. NUMBER:** 2 76 0472

**ACCOUNTS PAYABLE-AVANTI** **ARI**

**DESCRIPTION:** This system maintains a vendor master file, chart of accounts file, job or project master file (where applicable) and an outstanding invoice file.

Reports produced include:

- Audit Balance Listing
- Outstanding Voucher Register
- Batch Balance Edit
- Account Distribution Register
- Vendor Name and Address List
- Check Register
- Chart of Accounts
- Checks

The Accounts Payable-Avanti System will process multiple accounting entities such as corporations, locations, divisions, branches, etc. Multiple bank accounts are supported either on the same or different checks. Multiple state and local taxation is supported. Automatic input to the General Ledger-Avanti System is available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to a System/3-10 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** On-site training available, also customizing extensive parallel processing will be performed to ensure user acceptance of all documentation.

**I.D. NUMBER:** 2 76 0371

**ACCOUNTS PAYABLE-MULTICOMPANY** **ARI**

**DESCRIPTION:** This system will maintain a vendor file and unpaid invoices file, process transactions against those files, and capture the information required for: distributing purchases to various General Ledger Accounts, holding till due then paying for vendor invoices, and preparing the necessary reports for controlling and man-

aging the system. The system includes programs to perform the following general functions:

- Load, edit, and balance transactions
- Maintain system files
- Update system files with amounts
- Print vendor checks when invoices are due, or as they are selected
- Print other reports

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete including user manual

**SHIPPING MEDIUM:** Disk with 12,000 records constituting 30 programs

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0435

**ACCOUNTS RECEIVABLE** **ARI**

**DESCRIPTION:** This system processes either invoices or voucher. It handles multiple companies and multiple divisions.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 24K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0177

**ACCOUNTS RECEIVABLE** **ARI**

**DESCRIPTION:** This is a Balance Forward Accounts Receivable System that can handle a multiclient, multi-cycle billing arrangement. The system produces a salesman allocation report and monthly breakdown by transaction description. The option of service charge by percentage within departments is available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 48K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0077

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**ACCOUNTS RECEIVABLE** **ARI**

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**DESCRIPTION:** This Accounts Receivable system can process multiple clients. It produces the following reports:

- Client Information Sheet
- Add, Change and Delete Report
- Balance and Edit List
- Aged Trial Balance
- Statements
- Commission Report
- Delinquent Account Listing
- Adjustment Journal
- Cash Receipt Journal
- Sales Journal
- Detail Sales Analysis by Salesman
- Total Sales Analysis by Salesman
- Detail Sales Analysis by Customer
- Total Sales Analysis by Customer
- Sales Analysis by City
- Sales Analysis by State
- Contracts

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Three disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0449

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**ACCOUNTS RECEIVABLE-AVANTI** **ARI**

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**DESCRIPTION:** The Accounts Receivable system maintains a Customer Master File and an Open Item Invoice File.

The reports produced include:

- Cash Receipts Register
- Accounts Receivable Detail Audit Listing
- Accounts Receivable Aging-Detail
- Accounts Receivable Aging-Summary
- Unmatched Payment Report

The Accounts Receivable-Avanti system will process multiple accounting entities, such as: Corporations, Locations, Divisions, Branches, etc. Ship To and Sold To Customer Names are both included on the reports. Sales may be input automatically from the Order Entry-Avanti system. Purchase Order Numbers and Salesman Numbers are printed on the Aging Report to facilitate collection follow-up.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** On-site training available, also customizing extensive parallel processing will be performed to ensure user acceptance of all documentation.

**I.D. NUMBER:** 2 76 0370

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**ACCOUNTS RECEIVABLE** **ARI**  
**MULTICOMPANY**

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**DESCRIPTION:** The Multicompany Accounts Receivable System maintains a customer file with the necessary descriptive information and posts various transaction amounts to that file, generating up-to-date balances, and printing statements, aged trial balances, and numerous other reports. This system utilizes the balance forward type of processing. The key features include:

- Multicompany capability
- Extensive editing
- Suspending of errors
- Product analysis
- Customer 12-month history
- Statement dunning
- Service charge generation
- Rolodex and labels
- Sales analysis and multiple updating

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Extensive user manual complete systems documentation

**SHIPPING MEDIUM:** Source: disk; 96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0090

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**ACCOUNTS RECEIVABLE-ONLINE** **ARI**

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**DESCRIPTION:** The Accounts Receivable Online System's capabilities include:

- Invoicing
- Credit Checking
- Cash Applications
- Aging
- Credit History
- Sales Analysis

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 64K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0445

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**ACCOUNTS RECEIVABLE-OPEN ITEM** **ARI**

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**DESCRIPTION:** This is an open item accounts receivable system. It maintains the customer open item files, ages items, and allows for inquiry to the file.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source programs, full documentation

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System includes three days of installation assistance with each \$1,000 purchase

**I.D. NUMBER:** 2 76 0474

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**ACCOUNTS RECEIVABLE-OPEN ITEM** **ARI**

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**DESCRIPTION:** This system will maintain a customer file with the necessary descriptive information, post various transaction amounts to that file, generating up-to-date balances, and print statements, aged trial balances, and numerous other reports. This system utilizes the open item type processing, and includes programs to perform the following general functions:

- Load, edit and balance, and correct transactions
- Maintain system files
- Update system files with amounts — customer and product files
- Print monthly statements
- Print other reports

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete including user manual

**SHIPPING MEDIUM:** Disk pack containing 11,000 records in 33 programs

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0434

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**BILLING PROFESSIONAL** **ARI**

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**DESCRIPTION:** Using a base of a client master file, this system tracks employee services performed for each client, each day. End of month produces billing worksheets, statements, aging, subsidiary reports on service analysis and employee evaluation. Good for attorneys, CPAs, engineers, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Two disks
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow samples and input forms, charts, disk layouts, card layouts, printer spacing charts, operator's instructions

**SHIPPING MEDIUM:** 96-column cards — source only

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Tailored to use by CPA firm but capable of modification to fit other service-oriented firms; on "as is" basis.

**I.D. NUMBER:** 2 76 0079

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**BUDGET DISTRIBUTION SYSTEM** **ARI**

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**DESCRIPTION:** The system features the complete processing including printed reports of a detailed operating budget distribution by department and/or cost center for a one year period, also a summary report for the plant and one for selling, general and administrative. It also generates reports creating overhead by department or cost center and one showing the S G & A rate based on budgeted figures at the various levels of activity, fixed and variable items.

The original budget is prepared by persons designated by preparing the input is a total amount for the year by account within cost center. The system will spread the budget over a twelve month period giving totals monthly, Quarterly, semiannually and yearly for each account within cost center plus the summaries. The various major accounts are assigned a percentage from which the breakdown is generated showing the entire budget percentage distribution by department by month and account on a separate report.

Files are created and can be called on for use with a monthly budget versus actual comparison (this system may be purchased at an additional amount). A report is generated monthly by cost center disclosing for each department head and management what the levels of spending should be with respect to the current level of activity.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-12 or 15 with 24K of memory.
- Two disks
- Card input device
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Questions answered, no charge. Alterations/additions by mutually agreed price.

**I.D. NUMBER:** 2 76 0541

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**COMPUTER TIME AND JOB ACCOUNTING** **ARI**

**DESCRIPTION:** The Computer Time and Job Accounting System is a data processing application programmed in RPG that analyzes the time and cost of performing the various data processing tasks whether related to CPU time or other employee time. Allows coding of the user, task, employee, and application for each job performed by the data processing personnel; applies various costs against these tasks by extending rates times elapsed time; and prints analysis reports by employee, user, task, and application.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual Complete Systems Documentation

**SHIPPING MEDIUM:** Disk or 96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0193

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**DEPARTMENT LABOR ALLOWANCE** **ARI**

**DESCRIPTION:** Processes labor allowance claims from service agencies.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 24K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0179

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**DEPRECIATION SCHEDULES** **ARI**

**DESCRIPTION:** For tax purposes and internal reporting, these depreciation programs, designed and in use on disk systems, generate totals for assets by account classification/grouping for annual depreciation, produce a detailed and a recaptured listing of investment tax credit for current year acquisitions and print a projection for next year. In addition, the system summarily lists by account classification a breakdown of each account (beginning reserve, current additions, deletions, new book value, bonus depreciation — current and up-to-date). Features of the system:

- Automatic switching of accelerated method to straight-line (at user's request)
- Automatic deletion of disposed items (when advantageous)
- Calculation of above-named investment credit

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Two disks
- Printer keyboard
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, preparation instructions, card layouts, operator guide

**SHIPPING MEDIUM:** 96-column cards — source only

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0195

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**FINANCIAL MODEL** **ARI**

**DESCRIPTION:** This Financial Model System projects 5-year forecasts and generates the income statement, balance sheet and cash flow statement.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0444

---

**GENERAL LEDGER** **ARI**

**DESCRIPTION:** This system performs general accounting functions. The journal proof edits account numbers and totals debit and credit amounts. The general ledger lists all accounts, beginning and ending balances and all transactions. The financial reports can be customized to meet specific needs and includes Balance Sheets and Income Statements. The system also has a payroll subsystem for preparing 941-A and W-2 forms.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source programs, full documentation

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System includes three days of installation assistance with each \$1,000 purchase.

**I.D. NUMBER:** 2 76 0477

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**GENERAL LEDGER** **ARI**

**DESCRIPTION:** This General Ledger System is capable of processing multiple clients. It produces the following reports:

- Edit Lists
- Journals
  - Cash Receipts Journal, Cash Disbursement Journal, Sales Journal, Purchase Journal, Payroll Journal, and General Journal
- General Ledger
- Profit and Loss Statement
- Balance Sheet
- Detail Financial Reports
- Detail Budget Reports
- Detail Comparative Reports
- Departmental Financial Reports
- Departmental Budget Reports
- Departmental Comparative Reports
- Condensed Financial Reports
- Condensed Budget Reports
- Condensed Comparative Reports

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Three disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 276 0448

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**GENERAL LEDGER-AVANTI** **ARI**

**DESCRIPTION:** The General Ledger System maintains a Chart of Accounts File, a Recode Chart of Accounts File, a Title File for each Financial Statement, and a Trial Balance File.

The reports produced include:

- Audit Balance Listing
- Trial Balance
- Chart of Accounts
- General Ledger Detail
- Financial Statements

The Avanti-General Ledger System will process multiple accounting entities, such as: Corporations, Locations, Divisions, Branches, etc. which are reported individually and on a multiple level of consolidation with complete flexibility to include or exclude given accounting entities on any of the statements or schedules. Input may be taken automatically from the Accounts Payable System or created independently. Common Master Files are shared with other systems of the Avanti Accounting Package.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to a System/3-10 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** On-site training available, also customizing extensive parallel processing will be performed to ensure user acceptance of all documentation.

**I.D. NUMBER:** 276 0368

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**GENERAL LEDGER AND FINANCIAL STATEMENTS** **ARI**

**DESCRIPTION:** This General Ledger System utilizes standard accounting principles to perform its function. The system utilizes a chart of accounts and check register, and produces a trial balance and balance sheets. It also handles combined income statements. This system uses and maintains a heading and control file.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 276 0075

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**GENERAL LEDGER MULTICOMPANY** **ARI**

**DESCRIPTION:** The Multicompany General Ledger System maintains a chart-of-accounts with the necessary descriptive information and posts journal entries to update year-to-date balances, accumulate a 12-month history of account balances, and print various financial reports such as income statements, balance sheet, and detail posting register. The system follows standard accounting principles. Key features include: multicompany capability, extensive editing, suspending of errors, flexible account numbers, 12-month history, budget analysis, flexible number of journals, reference and description, detail posting registers, departmental reports. The key reports include: Balance and Edit List, Detail Update Report, Trial Balance, Balance Sheet, Income Statements and journals.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual  
Complete systems documentation

**SHIPPING MEDIUM:** Source: disk/96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 276 0091

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**INVENTORY MULTICOMPANY** **ARI**

**DESCRIPTION:** The system maintains an inventory item master file, posts transactions to that file, generating up-to-date balances, and prints reports. It performs the following general functions:

- Loads, edits and balances transactions
- Maintains system files
- Updates system files with amounts
- Prints posting and status reports
- Prints exception reports
- Creates physical inventory count return cards
- Modular, flexible options to fit requirements
- Meets most requirements of distribution-type inventory systems. Includes an important average costing feature for reflecting the true value of inventories.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual  
Complete system documentation

**SHIPPING MEDIUM:** Disk and 96-column cards.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0139

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**MARKET SURVEYS (SURVO2)** **ARI**

**DESCRIPTION:** Survo2 is the second generation of a Market Survey Analysis Program. It is designed for non-systems marketing personnel: The user designs his surveys to be analyzed by Survo2, and codes the analysis he wants performed on a survey analysis form. The program should interest any organization that conducts questionnaire surveys to support research on products, tastes and preferences, attitudes and trends, and opinions, and that needs to analyze survey data to derive information valid for differing groups of consumers.

Surveys may consist of up to 91 questions, and may have up to 999 interviews, yet survey analysis reports are concise and easy to read. Survey analysis is done as specified by the researcher, and basically consists of three parts. First is the selection of interviews, from among all interviews in the survey file, which are to be taken into account for a particular report. The criteria for selection may be as complex as need be. Second is the tallying, for interviews taken into account, of actual responses of each type occurring for each question included in a particular report. Third is the determination of percentages, corresponding to each tally, with respect to any one of four possible types of base for percentage to be used for a particular report. Each type of base comprises a wide range of possibilities.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 18K of memory
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Detailed 20-page pamphlet

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Program may be tailored to system requirements.

**I.D. NUMBER:** 2 76 0492

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**ORDER ENTRY/INVOICING-AVANTI** **ARI**

**DESCRIPTION:** The Order Entry/Invoicing System maintains a Customer Master File, Price/Cost Master File, Back-Order File, Salesman Master File, and various Total to Date Files for Sales Analysis Reports.

The reports produced include:

- Edit Report
- Invoice Register by Salesman
- Back Orders
- Sales by Supplier and Salesman
- Salesman Commission Report
- Price Master List
- Invoice Register by Invoice
- Invoices
- Period-End Control Report
- Sales by Customer and Salesman
- Customer Master List
- Salesman Master List

The Avanti-OE System will process multiple accounting entities, such as: Corporations, Locations, Divisions, Branches, etc. Ship To and Sold To Customer Names are printed on Invoices, Back-Orders, and Reports. Assignment of Salesman Numbers, Terms, and taxability of a sale are automatically determined from the Master Files unless overridden at time of order entry or billing. Extensive validation is performed on all input data to insure accuracy. Profit margins are calculated before the invoice is printed and error flags are generated if profit falls outside accepted guidelines. Mailing labels may be printed on demand.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to a System/3-10 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** On-site training available, also customizing extensive parallel processing will be performed to ensure user acceptance of all documentation.

**I.D. NUMBER:** 2 76 0369

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**PAYROLL** **ARI**

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**DESCRIPTION:** This is a multiple client payroll system. The system has the capability of computing taxes for multiple states. It produces the following reports:

- Client Payroll Information Sheet
- Add, Change and Delete Report
- Next Payroll Reporting Journal
- Payroll Checks
- Payroll Register
- 941A
- W-2
- Deduction Register — Showing all 15 deductions
- Individual Deduction Register
- Labor Distribution Report
- Quarterly Excess Wage Report
- 13 Week Register
- Year-To-Date Register
- Terminated Employee Register
- Rolledex Cards

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Three disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0450

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**PAYROLL (COBOL)** **ARI**

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**DESCRIPTION:** This single company payroll system runs while utilizing 16K of memory. Handles weekly, biweekly or monthly pay periods of salaried or nonsalaried employees. System maintains a payroll journal as well as deduction register. Prints checks, bonuses as well as 941-A and W-2 forms. System also produces several maintenance reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 32K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0078

---

**PAYROLL (RPG)** **ARI**

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**DESCRIPTION:** This Multicompany Payroll System utilizes one major payroll file for maximum efficiency. System handles weekly, biweekly and monthly pay periods for salaried and nonsalaried employees. The system handles printing of checks and bonuses and 941-A and W-2 statements. System utilizes a deduction register and a payroll journal and can produce several maintenance reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0076

---

**PAYROLL AND EMPLOYEE INFORMATION** **ARI**

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**DESCRIPTION:** This system performs all necessary functions and accumulates employee information. The following functions are performed:

- Checks written
- Payroll register
- Check register
- Input edit
- Deduction register
- Employee information

The system will compute any type of non tax deduction, shift differentials, overtime pay and taxes. The system accumulates all necessary information for checks, 941-A, and W-2. It also accumulates up to 7 year-to-date types of pay for both hours and dollars.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source programs, full documentation

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System includes three days of installation assistance with each \$1,000 purchase

**I.D. NUMBER:** 2 76 0473

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**PAYROLL-AVANTI** **ARI**

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**DESCRIPTION:** This system maintains a Payroll Master File and various supporting files used to establish rates and codes for taxes, labor distribution, and workmens compensation.

Reports produced include:

- Batch Balance
- Deduction Register
- Prepaid Checks Balance Sheet
- Payroll Tax Calculations Audit Report
- Employee Master List
- Combined Report
- Payroll Register
- Labor Distribution



- Workmens Compensation Report
- Check Register
- Payroll Checks
- Time Cards

The Avanti-Payroll System will process multiple accounting entities such as: Corporations, Locations, Divisions, Branches, etc. Multiple bank accounts are supported either on the same or different checks. Multiple state and local taxation is supported. Automatic input to the Avanti-General Ledger System is available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to a System/3-10 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** On-site training available, also customizing extensive parallel processing will be performed to ensure user acceptance of all documentation.

**ID. NUMBER:** 2 76 0367

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**PAYROLL MULTICOMPANY MULTISTATE ARI**

**DESCRIPTION:** The Multicompany Multistate Payroll System provides the standard payroll system reports in addition to cost analysis and workmen's compensation reports under a variety of conditions and requirements. The key features include:

- Multicompany capability
- Multistate capability
- Multirate time provisions
- Extensive editing
- Detail cost analysis
- Workmen's compensation report
- Nontaxable pay
- Garnishment
- Employee payoff

The key reports include:

- Time input
- Deduction prelist
- Job time proof
- Payroll register
- Payroll checks with stubs
- P/R labor distribution
- Cost analysis
- Deductions not taken due to insufficient pay
- Final deduction register
- Workmen's compensation
- Quarterly unemployment tax report
- Quarterly 941-As
- Annual W-2s
- Employee master file

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual  
Complete systems documentation

**SHIPPING MEDIUM:** Source: disk/96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 2 76 0092

---

**PAYROLL SYSTEM ARI**

**DESCRIPTION:** Complete Payroll System including Work Sheet, Weekly Register, Year-To-Date Register, Checks, Master Record Data Base, Quarterly Earnings Record, Quarterly Tax Forms and W-2s.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Two disks
- MFCU
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source Listing  
Operator Instructions

**SHIPPING MEDIUM:** As required

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option if requested.

**ID. NUMBER:** 2 76 0072

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**PERSCH SECURITY SYSTEM ARI**

**DESCRIPTION:** PERSCH is used for payroll applications. It lists the account's name, address, and telephone number and the employee's weekly schedule with any deviations to it (either more or fewer hours worked). The information is then returned to payroll. This eliminates the use of time cards. Firm has approximately 2,000 employees on payroll assigned as guards to approximately 250 companies in metropolitan area.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 8K memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 2 76 0200

---

**PURCHASING SYSTEM ARI**

**DESCRIPTION:** This system provides complete information on vendors such as name, address, telephone, F.O.B. terms, payment terms, expenditures Y-T-D with vendor. It also maintains a purchase-on-order file and is

updated with delivery information. There are 24 programs providing all necessary purchasing information including utility programs for the system. Two important features of the system are the ability to provide purchasing with follow-up data on which orders are currently or past due and the ability to provide accounting with a cash flow projection of purchase orders issued.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** System description, flow charts, file and card layouts

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** 90-day free maintenance but not modifications.

**I.D. NUMBER:** 2 76 0262

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**TIME AND CHARGES** **ARI**

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**DESCRIPTION:** The Time and Charges System is designed for accounting firms, law firms or any project management application. The system produces, from employee records of time and charges of tasks performed the following production reports: current period client analysis, employee analysis, or task analysis. History reports on client, employee, or task activity.

The following reports are prepared when required: data edits, master file changes, data file merges, data file purges, and history file modifications.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance is an option.

**I.D. NUMBER:** 2 76 0144

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**LEGAL ACCOUNTING** **ARI**

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**DESCRIPTION:** This system provides client billing, accounts receivable, and management reports for the legal profession. It is an online communication system that gives cash receipts update, cash receipts entry edit, billing update, billing instruction entry edit, time and disbursement data. The system is provided by a software house giving full service.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Diskette reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Sample forms, full documentation on how to run system

**SHIPPING MEDIUM:** Diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** In-house training, full installation, assistance in evaluating computer, personnel requirements; Maintenance option available at hourly rates.

**I.D. NUMBER:** 2 76 0619

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**SERVICE TECHNICIANS REPORTS** **ARI**

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**DESCRIPTION:** This program provides four management reports:

- Parts sales analysis
- Labor gross analysis
- Technician productivity
- Comparative technician labor performance

The program also provides simple routing sheets. An edit program helps to correct input errors.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system comparable to System/3-10 with 8K of memory
- Printer
- Data recorder

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0652

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**VOCATIONAL INFORMATION** **ARI**

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**DESCRIPTION:** This system is designed for organizations responsible for the vocational rehabilitation of disabled workers, the chronically unemployed, and students. The automated job-matching procedure uses a data base containing local job market trends, training opportunities, and entry-level salaries. Job matching is based on the person's education, aptitudes, physical limitations, interests, behavioral characteristics, choice of industry, and desired work environment.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 100K of memory
- One disk
- One tape
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Data base maintenance available

**I.D. NUMBER:** 2 76 0671

## TRANSPORTATION

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### ACCOUNTING

ARI

**DESCRIPTION:** Complete accounting system for transportation industry. Includes accounts receivable, cash receipts, accounts payable, general ledger, financial statements and payroll.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- Two disks
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 77 0174

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### ACCOUNTING MOVING AND STORAGE

ARI

**DESCRIPTION:** This system provides complete programs and documentation for the moving and storage industry (e.g., agents of Van Lines).

The system addresses:

- Accounts receivable (both balance forward and open item)
- Storage billing
- Salesman's and driver's reports
- Accounts payable
- General ledger with automatic distribution to ICC departments
- Van Line reconciliation

The system is fully integrated and includes programs, job control language, documentation, procedure guides, and input forms.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- Disk
- Printer
- Data input devices

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete user's guide, operator's guide, system flow charts, layouts

**SHIPPING MEDIUM:** Tape or disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 77 0295

---

### FREIGHT BILL PREPARATION

ARI

**DESCRIPTION:** All freight bills are prepared and stored, then used for various analysis reports, revenue, shipping pattern miles, etc., at month end.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-15 with 20K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 77 0468

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### FREIGHT BILL PROCESSING

ARI

**DESCRIPTION:** The Freight Bill Processing System generates summary analysis by General Ledger account code. It prepares a remittance statement for each carrier and quarterly summaries. The system supports Transport Clearing.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System can be modified to include check preparation

**I.D. NUMBER:** 2 77 0455

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### GARAGE MAINTENANCE

ARI

**DESCRIPTION:** The Garage Maintenance system is designed to maintain statistical data to be used in the preparation of maintenance analysis for Truck Cost Reporting.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-15 with 20K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 77 0463

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**INVENTORY** **ARI**

**DESCRIPTION:** Complete warehousing inventory system for transportation or manufacturing industry.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- Two disks
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 77 0175

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**ONLINE TRUCK DISPATCH** **ARI**

**DESCRIPTION:** This system contains the programs for online truck dispatching, freight bill rating and billing, driver's logs, and interfaces to payroll. Equipment inventory with a tire inventory also is included. Equipment licensing and driver qualification and personnel are also maintained.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 35K of memory
- Two disks (MSU0310)
- 7700 VIP or compatible hardware sync.
- Remote CRT async.
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Detailed program narratives and flow charts, operator instructions, sample screen layouts, source program listings

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Negotiable maintenance option.

**I.D. NUMBER:** 2 77 0327

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**VEHICLE/FLEET MAINTENANCE** **ARI**

**DESCRIPTION:** The Vehicle/Fleet Maintenance System maintains two months of history in its file. It can prepare a list showing:

- Vehicle
- Date
- Mileage
- Grease and Oil Maintenance

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 8K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 77 0453

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**VEHICLE SCHEDULER** **ARI**

**DESCRIPTION:** The system is useful to a distributor with multiple delivery sites and various daily routings. The system matches up partial load deliveries in the same vicinity. It chooses the most efficient delivery route(s), making cost-effective use of available delivery vehicles. It handles bad weather or poor road conditions. A billing module is available.

The system can be used by oil companies, bakeries, delivery services, and fuel oil dealers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 40K of memory
- Printer
- Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Implementation and setup charge. Customer is under no obligation if system does not perform to satisfaction.

**I.D. NUMBER:** 2 32 0676

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**FLEET MAINTENANCE** **ARI**

**DESCRIPTION:** The system produces detailed cost-per-mile reports on vehicles operated to help independent small fleet owners/operators assess data for financial control, audit, and track fleet movement. The system can be used to help improve maintenance methods and pinpoint maintenance cost trends.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG or COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 77 0674

## UTILITIES

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### BILLING UTILITY SUBSYSTEM ARI

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**DESCRIPTION:** Augments Accounts Receivable System to permit generations of charges and statements unique to requirements of utility billing. May be used on any metered service such as water, gas, or electric. Provisions exist for fuel adjustment factors. It accepts meter readings, calculates charges for service, computes additional charges, generates fixed charges, prints billing statement.

(A subsystem to Multicompany Accounts Receivable (2 76 0090).)

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual

**SHIPPING MEDIUM:** Disk/96-column card

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 78 0089

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### CATV (CABLE TV) BILLING ARI

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**DESCRIPTION:** The standard CATV (Cable TV) Billing system is capable of producing:

- Information separated on all reports by franchise areas
- Daily deposits in day, batch, and account number sequence
- Month-end recap that details charges and payments for each customer over the past month
- Billing copy that breaks out charges for the upcoming month for each customer
- Punched cards to be used as turnaround documents in recording payments and credit adjustments
- Past due notices to be mailed out if a customer fails to pay by a certain day of the month
- Disconnect list of customers who are more than one month past due
- List of customers who need coupon books
- List of customers who have been disconnected with past due balance or credit balance
- Net/gross or late charge option if customer fails to pay by a certain date
- Trouble call analysis in address sequence and type sequence
- Customer master information in various sequences (e.g., address sequence for audit purposes, etc.)

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Three disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 78 0452

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### MUNICIPAL UTILITY BILLING ARI

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**DESCRIPTION:** System handles water, sewer, and special charges. Reports include account status register, utility bill, address list, delinquent list, and meter reading and payment list. System also provides a fiscal year recap.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridges

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 78 0121

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### SCHEDULER RADIO STATION ARI

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**DESCRIPTION:** This program automatically schedules spots for a program log. It rotates cartridge numbers equally. It gives flexibility in moving spots around and provides separation of competitors. It will not schedule two spots for the same order in the same hour. Cards are run out daily for the previous day's log, and the times are punched onto the cards and put back in the machine. This provides billing at the end of the month (calendar or the Standard Broadcast month). Daily availabilities are provided along with a weekly production report. This program also provides a complete accounts receivable system. A monthly production report and an aged trial balance are printed by salesman. This system can be formatted to suit personal needs and qualifications. The number of interruptions an hour, news spots, and special programming can be planned before installation.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K memory
- Two disks
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Advice available for a reasonable period of time after system implementation.

**I.D. NUMBER:** 2 78 0275

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**UTILITY BILLING** **ARI**

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**DESCRIPTION:** This system produces the following:

- Cash Journals and Open Receivables Recap
- Accounts Receivable Summary
- Utility Billing Register
- Utility Billing Register Summary
- Deposit Register
- Finaled Accounts Due Credit Recap
- Recap of Delinquent Accounts
- Cut-Off Listing of Delinquent Accounts

It also provides management reports:

- Water and Sewer Usage
- Gallonage by Meter Size Recap
- Gallonage Usage Summary

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- One fixed and one removable disk
- MFCU
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 78 0125

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**UTILITY BILLING** **ARI**

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**DESCRIPTION:** This system handles city billing for garbage, water (both meter and constant), sewer, and electrical.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Contract must be ratified by city council

**I.D. NUMBER:** 2 78 0246

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**UTILITY BILLING** **ARI**

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**DESCRIPTION:** The Utility Billing System may be used for any metered service such as water, gas, or electricity. The system is capable of performing the following general functions:

- Accept meter readings as an input and calculate consumption based on previous readings and current readings
- Calculate monetary amounts for the service based on consumption and rate tables furnished by each user
- Standard fixed charges may be added for sewerage, trash, etc.

- Produce a consumption proof report with commercial, residential, city and outside city usage summaries
- Print aged trial balance and delinquent accounts in alphabetical sequence
- Print utility billing statement
- Print disconnect
- Handle multiple municipalities

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Three disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 78 0451

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**UTILITY BILLING** **ARI**

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**DESCRIPTION:** This is a complete billing system for a municipal lighting plant. It includes cash posting, meter reading and posting, billing using one-way mailer, overdue notices and shut-off notices, aged trial balance, master inquiry and listings, cash and sales analysis reports. The system is designed specifically for the Level 62, cardless system.

Some of the features include:

- Cash Editing and Posting — Utilizes an NCR 250 data collection device and point of sale device with cassette output for counter sales and collection of cash.
- Meter Posting and Editing — Produces meter cards for 20,000 accounts by route cycle.
- Complete Master File Maintenance — File adds, cut-outs, and field changes.
- Master File Inquiry and Listing — Listing by route #, account #, meter #, city and last name.
- Billing by Cycle — Employs one way mailer that eliminates handling and stuffing.
- Prints overdue notices and shut-off notices on accounts overdue.
- Invoicing Register — Includes all invoices and cash received daily.
- Sales and Cash Analysis by Rate within Route. Summary by Rate.
- Shut-off notice report for commercial department follow up.
- Aged Trial Balance Report — Includes total due, 30-60 days, 60-90 days, 90-120 days, and over 120 days overdue.
- Monthly Revenue Report.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 65K of memory
- Two disk units (MSU 310)
- Cassette reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Systems overview, program description, file layouts, complete run and user manual

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 78 0429

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**UTILITY WATER AND  
ELECTRIC BILLING**

**ARI**

**DESCRIPTION:** Utility Billing uses a flexible rate code structure for water, sewer, and electric billing and collections. It gives listings of new accounts, deposits, balance due, and delinquent accounts, summary of consumptions and billing by rates. Daily cash receipts are applied to balances which can be converted to an online environment.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 78 0353

---

**WATER BILLING**

**ARI**

**DESCRIPTION:** This program is run monthly with four meter reading cycles. It gives the accounts receivable list, prepares water bills and gives the cut off report. It provides the high/low consumption list, credit status. The program keeps the master list, charge list, meter reading list and prepares the necessary labels.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-15 with 32K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 78 0469

**HOTEL/OTHER LODGING**

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**BACKOFFICE ACCOUNTING SYSTEM  
(STANFORD COURT HOTEL)**

**ARI**

**DESCRIPTION:** The system can implement all hotel accounting applications with high level of accounting controls and sophisticated financial management reporting. The system includes payroll and labor statistics, city ledger (accounts receivable), accounts payable, daily revenue reporting, general ledger, financial reports, and travel agent commission checks.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K memory
- One fixed and one removable disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 79 0225

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**TRAVEL AGENCY**

**ARI**

**DESCRIPTION:** This is a travel agency package that produces Air Traffic Conference and Commission reports, automatically posts the general ledger, produces invoices and statements, and updates accounts receivable.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Printer
- Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** MiniCOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Must be converted to COBOL for Level 62

**I.D. NUMBER:** 2 79 0631

## MISCELLANEOUS SERVICES

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### CHURCH ACCOUNTING

ARI

**DESCRIPTION:** The system produces all general ledger, diocesan tax, current and physical asset (plant fund) reports. It includes payroll system for small operations, automatic audit of transactions, overall accounting data and "books," and complete diagnostic edit with correction advice. Also included are:

- Monthly financial statement
- Monthly operating statement with percentages
- Monthly liability analysis
- Monthly tax statement
- Monthly transaction analysis
- Budget reporting

This system is a simplified accounting approach using machinery to translate entries to debits and credits. It requires no experienced personnel for source data entry. The system is currently supported.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Users education manual and systems operation manual

**SHIPPING MEDIUM:** Card input or cardless diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Not available in Texas

**I.D. NUMBER:** 2 80 0265

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### FUND RAISING

ARI

**DESCRIPTION:** This system covers every fund raising contingency. For example, it provides on demand:

- A master file of contributors
- Worker report listings
- Match code directory
- Daily cash sheet
- Receipts for donations
- Weekly/monthly cash summaries
- 3 × 5 cards for specific functions
- List of members
- Donation reports
- Several different kinds of labels
- Specific reports as required

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Printer
- Disk
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete documentation and run sheets

**SHIPPING MEDIUM:** Program source decks

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Two sets of documentation; one source deck

**I.D. NUMBER:** 2 80 0014

---

### MEMBER RECORDS SYSTEM

ARI

**DESCRIPTION:** A union business system, using online terminals, the Member Records System is a computerized record keeping system that will simplify and coordinate the informational, business, and financial functions of a labor organization. The system contains the following:

- Member record keeping
- Billing
- Accounts receivable
- Automatic arrears notices
- Per capita reporting
- Membership cards
- Withdrawal cards
- Business representative reports
- Contract management system
- Employer profiles
- Demographic listings
- Mailing systems
- Accounts payable
- Payroll
- Bank reconciliation

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 128K of memory
- Two disks (MSU0310)
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL-74

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available. License includes installation of system. Complete documentation, application consultation, operator training.

**I.D. NUMBER:** 2 80 0611

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### ARCHIVAL SYSTEM

ARI

**DESCRIPTION:** The Archival System is very similar to the card catalog systems used in public libraries. The system is used to record information on documents, books, and films.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 30K of memory
- Two MSU0310 disks
- Printer
- 80-column card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** COBOL-74



**SHIPPING MEDIUM:** Transmitted in source listing, digital cassette, or purchaser-supplied disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Batch only; can be modified to operate under one or more Honeywell communication supervisors or TRS

**I.D. NUMBER:** 2 80 0646

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**COMMUNITY CONTACT FOLLOW-UP** **ARI**

**DESCRIPTION:** The contact follow-up system provides statistics on the value, requirements, and usage of public services. Comparisons can be made as follows:

- Specific services provided in relation to requests for those services.
- Location of specific services in relation to the population requiring these services
- Results obtained in relation to needs
- Group classifications of service users

The contact follow-up system can be used independently or can access the data banks used in the information and referral system (I.D. 4 80 0648).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 30K of memory
- Two MSU0310 disks
- Line printer
- 80-column card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** COBOL-74

**SHIPPING MEDIUM:** Transmitted in source listings, digital cassette, or purchaser-supplied disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Currently batch; can be modified to operate under one or more communication supervisors or TRS

**I.D. NUMBER:** 2 80 0645

---

**DOCUMENT RETRIEVAL** **ARI**

**DESCRIPTION:** This system maintains a library of documents by sequence number. Documents are cross-referenced by up to three document-calling symbols (author, client or purpose, and geographic codes). The system produces listings of documents in various sequences for manual document retrieval.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system comparable to System 34 with 32K of memory
- Disk
- CRT
- Diskette
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 80 0660

---

**FUND RAISING** **ARI**

**DESCRIPTION:** The fund raising campaign support system provides the user with reports and other tools for the fund raising process. Some of these tools are preprinted pledge cards, mail labels for direct mail solicitations, and internal reports showing past giving history. These systems also maintain complete records of fund raising results, enabling the production of a variety of analysis reports for fund raising and accounting usage.

Several campaign subsystems are available. The annual history file maintenance package retains four years of giving history, as well as the current year.

The designation system produces reports showing the amount of contributions that are being designated to specific organizations.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 45K of memory
- Two MSU0310 disks
- Printer
- 80-column card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Source listings, digital cassette, or purchaser-supplied disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System currently functions on batch basis only; can be modified to operate under Honeywell Communication Supervisors via Data Collection

**I.D. NUMBER:** 2 80 0642

---

**GENERAL LEDGER** **ARI**

**DESCRIPTION:** The United Way maintains a general ledger accounting system, based on a system developed by the Nashville Area United Way (Nashville, Tennessee). This general ledger package produces the following reports:

- Journal by transaction
- Journal by account
- General ledger
- Expense and revenue by program
- Expense and revenue by cost center
- Expense and revenue (overall)
- Fund balance sheet
- Fund balance sheet with supporting accounts
- Chart of accounts

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 30K of memory
- Two MSU0310 disks
- Printer
- 80-column card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** COBOL-74

**SHIPPING MEDIUM:** Transmitted in source listings, digital cassette, or purchaser-supplied disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Rights held by Nashville United Way. San Diego United Way can release Honeywell 62 converted system after purchaser has completed transaction with Nashville.

**I.D. NUMBER:** 2 80 0651

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**INFORMATION AND REFERRAL** **ARI**

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**DESCRIPTION:** The Information and Referral System maintains a large data bank of human care service agencies and accesses another data bank. The system is able to perform a search and selection of the data bank to extract specific reports. There are more than 90 topics that can be selected separately or in multiple combinations.

For example, a report can be printed showing all information available for all agencies within a geographical location that provide services to a specific age group. Another report lists the names and addresses of all agencies performing a specific service. Many selection variations and information combinations are possible.

The variety of report formats produced are:

- Directory report with detail information (with or without index)
- Planner's report (with or without detail information)
- Name and address lists
- Mailing labels

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 35K of memory
- Two MSU0310 disks
- Line printer
- 80-column card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** COBOL-74

**SHIPPING MEDIUM:** Transmitted in source listings, digital cassette, or purchaser-supplied disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Batch; can be modified to operate under one or more Honeywell communication supervisors or TRS

**I.D. NUMBER:** 2 80 0648

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**MAIL LABELS, LISTS** **ARI**

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**DESCRIPTION:** The mail file maintenance system generates a variety of reports to represent the mail file.

In addition to file maintenance and listing functions, the system generates mail labels in either Avery or Cheshire label formats.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 25K of memory
- Two MSU0310 disks
- Line printer
- 80-column card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** COBOL-74

**SHIPPING MEDIUM:** Transmitted in source listings, digital cassette, or purchaser-supplied disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Batch basis only; can be modified to operate under one or more of Honeywell's Communication Supervisors or TRS

**I.D. NUMBER:** 2 80 0644

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**NETWORK OPTIMIZER** **ARI**

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**DESCRIPTION:** This computer program is used to determine the optimum, or least costly, circuit and routing configuration in a long distance telecommunications network, given a particular grade of service supplied by the user. It is highly accurate and able to automatically evaluate all types of WATS, FX, and tie circuits, plus specialized common carriers. The output is specifically designed to be easily understood by top management who may be unfamiliar with technical aspects of telecommunications.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 40K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** FORTRAN

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option automatic with purchase

**I.D. NUMBER:** 2 80 0669

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**PAYROLL** **ARI**

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**DESCRIPTION:** This full range payroll system incorporates many features currently being used by the United Way of Los Angeles county. The system performs many common payroll functions:

- Employer/employee master
- Employee master reporting
- Tax calculations
- Employee deductions
- Employer expenses
- Labor distribution
- Earnings history
- Quarter-to-date reports
- Year-to-date reports
- Payroll journal
- Check printing
- Time sheet printing
- Vacation/sick leave calculations (in development)
- Payroll expense distribution (in development)

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 35K of memory
- Two MSU0310 Disks
- Line printer
- 80-column card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** COBOL-74

**SHIPPING MEDIUM:** Transmitted in source listings, digital cassettes, or purchaser-supplied disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISION:** Batch; can be modified to operate under one or more of Honeywell's communication supervisors or TRS

**ID. NUMBER:** 2 80 0650

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**PERSONNEL SYSTEM** **ARI**

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**DESCRIPTION:** The Personnel System maintains records of personnel activities such as new hires, terminations, employee payroll distribution schedules, changes in work status (e.g., pay rate, title), work performance evaluation, accrued vacation and sick leave calculations.

Reports are created, on user specification, by company, department, and employee number. The reports serve as a complete record of all employee changes. This system can be used by personnel offices and individual department managers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 35K of memory
- Two MSU0310 disks
- Line printer
- 80-column card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** COBOL-74

**SHIPPING MEDIUM:** Transmitted in source listings, digital cassette, or purchaser-supplied disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Batch; can be modified to operate under one or more Honeywell communication supervisors or TRS

**ID. NUMBER:** 2 80 0649

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**PENSION AND WELFARE** **ARI**

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**DESCRIPTION:** This system handles all accounting and administrative requirements of multiple employer pension funds. It produces pension checks, benefit checks, employer remittance reports, delinquent letters. It handles annual actuarial requirements and all ERISA requirements. More than 30 management reports are produced. This system is currently handling the administrative and accounting requirements of a fund consisting of over 630 employers and 40,000 employees.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system comparable to System/3-15 with 128K of memory
- Two disks
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Batch system. Maintenance option available.

**ID. NUMBER:** 2 80 0664

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**PLEDGES RECEIVABLE** **ARI**

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**DESCRIPTION:** The Pledges Receivable System has been designed to provide the Accounting Department with detailed information of the pledges received during a campaign. Monthly statements are printed for accounts requesting billing. The system also maintains a two-year cumulative record of all transactions affecting pledge receivables.

A variety of reports are produced on a monthly basis:

- Batch balance reports
- Transaction listings
- Pledges receivable listing
- Statements
- Analysis reports

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 160K of memory
- Three disks
- Cassette
- Card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 2 80 0656

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**SIGNER** **ARI**

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**DESCRIPTION:** Program SIGNER creates large, bold face signs and posters. Each sign consists of six lines of text with twelve characters per line. The complete character set includes all the usual special symbols.

The United Way uses SIGNER as a job's front-end for identification purposes, for making security signs, and for generating notices.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 14K of memory
- Printer
- 80-column card reader

**OPERATING SYSTEM:** GCOS Release 0500

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Transmitted either as source listing or digital cassette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** User responsible for vertical and horizontal positioning

**ID. NUMBER:** 2 80 0647

## SYSTEM SOFTWARE

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### ALPHA NETPAY GENERATOR ARI

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**DESCRIPTION:** Takes 7-digit net pay and generates alpha equivalent for printing on payroll or payables checks. Cents are printed in numeric with "cent" or "cents" following.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 8K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Subroutine guaranteed when properly inserted into user's present check-writing program.

**ID. NUMBER:** 2 05 0081

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### ALPHA "SOUNDEX" SEARCH ARI

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**DESCRIPTION:** The Alpha "SOUNDEX" Search System provides two methods of searching, batch or online. The batch program converts last names to a phonetic key using the first letter of the first name and either creates a new file or updates the existing file. The online program uses the last name with up to 3 characters of the first name and/or 2 other identifiers for search. It too creates a new file or updates the existing file.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-15 with 96K of memory
- Two disks
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 2 05 0466

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### ASYNCHRONOUS COMMUNICATIONS HDS

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**DESCRIPTION:** The GCOS Communications System offers the following features:

- Automatic control over major network control functions; programmers are free to concentrate on communications application programs
- A network visible enough so that user control can be exercised when conditions warrant
- An easy-to-use interface, provided with GCOS COBOL
- Message processing and communications activities, automatically overlapped
- Application programs independent of the number of terminal devices connected to the network; if the number of terminals changes, application programs need not be recompiled

- Low system overhead; the Communications System is present in memory only when users want to use the communications facilities
- Efficient memory usage; memory space is conserved by tailoring the Communications System to users' particular needs, e.g., during low-activity periods, only those buffers that are required for lines and terminals in use will be created
- Full simultaneity of data transfer between buffers and terminals regardless of line speeds, transmission codes, and line links
- Automatic handling of multiple, simultaneous data transmission activities

GCOS communications systems provide the following capabilities:

- Up to 25 communications lines
- Maximum of 32 terminals per line
- Synchronous, asynchronous, and binary synchronous two-way, alternate transmission modes
- Line speeds from 110 up to 9600 bits per second
- Handling of 6-, 7-, and 8-bit codes
- Half- and full-duplex operation
- Support of buffered and unbuffered terminal devices
- Support of polled or contention networks
- Point-to-point and multipoint connections

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with a 15-23K supervisor and a 20K of user memory
- Communication device(s) with asynchronous line addressing and line terminators

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL09)

CS/B Terminals (AU38)

BSC 1/2 (AU39)

**SHIPPING MEDIUM:** SBC0006

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### AUTOMATED RESOLUTION FROM CENTURY TO HONEYWELL — ARCH UL

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**DESCRIPTION:** NCR Neat/3 to Honeywell Series 60 Level 62 COBOL conversion aid assists in converting programs written in the Neat/3 programming language to the Series 60 Level 62 Honeywell COBOL language. Conversion aid runs on Series 60 Level 62.

Conversion package consists of:

- ARCH, Neat/3 to COBOL translator
- Q-PROG, a routine to select Neat/3 source programs from the ADISC and put them out on 9-channel EBCDIC tape

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 36K of memory
- Two MSU0310 disks or 9-channel tape
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** ARCH Translator User's Guide (Available from Small/Medium Systems Support Services Department.)

**SHIPPING MEDIUM:** Tape (SPV 0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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## **AUTOVERSION**

**ARI**

**DESCRIPTION:** This program reads the old version disk of software and automatically creates the JCL necessary to preallocate, copy, and create the files or libraries on a disk file. The JCL file is called from the console and does the copy. The program includes a feature whereby a user may specify up to 100 files and/or libraries he does not want copied to the new version software disk. Old version system software is eliminated automatically. The program is fully documented with comments as to the purpose of each section, and how to insert new parameters in the prealloc, copy, and create JCL. The purpose of Autoversion is to reduce preparation of JCL by a staff member when going from one version of software to another.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 32K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Operator's instructions, program narrative, JCL with comments

**SHIPPING MEDIUM:** Disk or 96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0534

---

## **AUTO-FLOWCHARTER**

**ARI**

**DESCRIPTION:** This package will flow chart an application illustrating nested procedure, called procedures, program identification, disk pack identification, file name, file type, file designation, file retention type, and all peripheral I/O devices.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 24K of memory
- One disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0566

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## **BIORHYTHM**

**ARI**

**DESCRIPTION:** This program produces a vertical graph on a line printer showing the high, low and critical days of the coming year. The program is based on thoroughly

researched mathematical techniques. The three basic rhythms of life are:

- Intellectual
- Emotional
- Physical

The input device is variable, depending on the user's needs. We will customize the program to accept any input device, card, disk, console, tape or diskette.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 8K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0413

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## **BUSINESS DATA GRAPHING**

**ARI**

**DESCRIPTION:** This software package will produce two types of horizontal bar graphs on the printer, the grouped-bar graph and the single bar graph. The former features shading for emphasis between time periods. Excellent for informative visual presentations. These bar graph reports present percentage relationships that are graphically explicit for budgets, expenditures, product line or inventory comparisons. Package is user oriented. Allows your EDP client to call for his graph, his title and its variable content through a prepared keypunchable form.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- Disk
- Card reader
- Printer
- MFCU

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Pad of data entry sheets, preparation instructions, test decks

**SHIPPING MEDIUM:** Cards (96 column)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0464

---

## **COBOL TRAINING**

**ARI**

**DESCRIPTION:** System trains in COBOL I/O techniques by exercising input and output media to create, update and add records.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** COBOL  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 2 05 0153

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**COBOL-74 COMPILER** **HDS**

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**DESCRIPTION:** The COBOL-74 compiler's standard COBOL language capabilities conform in language element representation, symbology, and coding format to American National Standard X3.23-1974. It is compatible with the COBOL used by other members of the Series 60 family. Added Honeywell features heighten its usefulness:

- New debugging facility allows the users to specify their own debugging techniques in the program, then eliminate them from the final compilation or invoke them at object time
- New capability for communication with terminals
- Ability to call other programs, including programs written in other higher level languages
- Expanded text-copying capability
- Enlarged file-handling capacity; expanded sequential file function
- Checkpoint/resume capability
- New relative and indexed I/O techniques — replacing random access — that enhance mass storage capacity
- Augmented nucleus function

Honeywell vs. American National Standards:

|           |  |
|-----------|--|
| 2 NUC 1,2 | plus Honeywell extension                         |
| 1 TBL 1,2 |  |
| 2 SEQ 1,2 | less variable length                             |
| 2 REL 0,2 | less variable length                             |
| 1 INX 0.2 | (less alternate key)<br>plus Honeywell extension |
| 2 SEG 0,2 |  |
| 2 DEB 0,2 |  |
| 1 LIB 0,2 |  |
| 1 IPC 0,2 |  |
| 2 COM 0,2 | plus Honeywell extension                         |
| 2 SRT 0,2 | (except MERGE verb and SAME AREA clause)         |

Includes STRING/UNSTRING and SETSWITCH verbs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 35K of user memory
- Disk
- Printer or SYSOUT file
- Sequential input device or source library

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL07)  
COBOL Language Reference Manual (AL16)  
COBOL User Guide (AL17)

**SHIPPING MEDIUM:** Disk or tape (SBL0005)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**COBOL MACROPROCESSOR** **HDS**

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**DESCRIPTION:** The Level 62 macroprocessor offers the COBOL programmer a powerful, new tool that both extends and raises the level of the language while at the

same time trims programming costs. By using the macroprocessor, the user can create more expressive, hierarchical, segmented programs and employ the techniques of top-down, structured programming. Some of the features of the macroprocessor are as follows:

- The user creates COBOL macros, according to his needs, by coding a number of elementary COBOL statements. Parts of the statements may be declared variable (with or without default values) until compilation time. The macros are then stored in a library by a utility which is supplied with the macroprocessor.
- At compile time, special user-defined statements direct the macroprocessor to the macro library in order to expand the macro into its elementary COBOL statements. At this time, user-defined values contained in the calling statement are substituted for those contained in the macro.
- The level of the language is "raised" since a program could be written which consists of no more than a few macro call statements. Each call statement could invoke a macro which might comprise hundreds of lines of code.
- The language is also extended since the user creates macros according to his needs and could for example:
  - Create new types of data structures not normally allowed by COBOL
  - Create new verbs and sentences
- The programmer also has the option of using a number of predefined macros such as DO loops or IF — THEN — ELSE macros.
- The rules to follow during the creation of macros and their calling are very similar to the rules for JCL macros and control procedures. The user can apply his knowledge to both.
- One macro may call another. Unlimited nesting of COBOL macros is allowed. If recursion is used it is the programmer's responsibility to ensure that endless loops are not generated.
- The self-documenting aspects of COBOL are retained since the elementary COBOL statements produced by the macroprocessor are the input to the COBOL compiler.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 35K of user memory
- Disk
- Printer or SYSOUT file
- Sequential input device or source library
- COBOL compiler (SBL0005)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** COBOL Macroprocessor Reference Manual (AY71)  
COBOL Language Reference Manual (AL16)  
COBOL User Guide (AL17)

**SHIPPING MEDIUM:** Disk or tape (SBL0008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**COBOL PRE-COMPILER (SHORTHAN)** **ARI**

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**DESCRIPTION:** SHORTHAN is an easy-to-use, COBOL pre-compiler with several significant features. The COBOL source code of SHORTHAN is included in the purchase price

to allow complete installation control of the package. SHORTHAN accepts any mixture of COBOL source and abbreviations, uses COBOL syntax, spacing and standard COBOL coding forms, and produces COBOL source code compatible with all COBOL compilers. All COBOL translations are defined on user-maintained abbreviation files, and additional abbreviations can be specified by the programmer at run time.

It is the first pre-compiler with automatic paragraph-name abbreviations, with simple commands to control all processing, and specifically designed for maintenance as well as development programming. The flexibility of SHORTHAN means that it can also be used as a program conversion utility, Data Element Glossary abbreviator, COBOL standards enforcer, and function also as a "cleanup" aid. SHORTHAN's ease-of-use means most programmers can begin coding in less than an hour. SHORTHAN is currently installed at a number of installations on a wide range of computer equipment.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 60K of memory
- Input device
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Installation instructions, Reference manual, Programmer reference cards, Sample program

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 2 05 0523

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**COBOL-TO-COBOL TRANSLATOR  
(SERIES 200/2000)**

**HDS**

**DESCRIPTION:** The COBOL-to-COBOL Translator is an automated way to upgrade existing COBOL programs to Level 62 American National Standard COBOL-74. The package translates programs written in Mod 1 COBOL dialects COBOL B, C, D, and MSR (American National Standard) COBOL. This source language conversion translates most COBOL language elements.

The principal output of the Translator is a Level 62 COBOL source language program (on cards, disk or magnetic tape). The output program is logically and functionally equivalent to the input version. The Translator produces extensive diagnostic information for any input statements that are not translated. In addition to the program listing that includes embedded diagnostics, the Translator optionally prints the input COBOL program and its translated equivalent.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Printer
- Card reader
- Four 7-track magnetic tape units or two disk pack drives
- Optional card punch

**OPERATING SYSTEM:** GCOS

**DOCUMENTATION:** Product Brief (AN27)  
Series 200/2000 to COBOL to Level 62 COBOL Conversion Manual (AR02)  
Series 200/2000 to Level 62 Conversion Guide (AR01)  
**SHIPPING MEDIUM:** (SBV 0010)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**COLLECTION LETTERS**

**ARI**

**DESCRIPTION:** This application produces a series of letters and various reports. The programs can be modified to use the letterheads of any corporation in seeking payment from customers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to S/3-10 with 16K of memory
- One or two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 2 05 0527

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**COMFORT**

**ARI**

**DESCRIPTION:** Comfort organizes FORTRAN statement labelling numbers into sequential order within the source program. Increments can be specified between statement numbers so that subsequently inserted numbers need not disrupt the order. In addition to renumbering, the package can remove the leading blanks from statements, and number and label the source lines in the last eight columns. Optionally, Comfort collects and moves the Format statements to the end of the program and allocates a separate statement numbering system for them. Comfort also produces FORTRAN cross-reference tables. These tables show the line numbers at which labels and variables are referenced within the source program. Comfort may be used in batch or interactive mode.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration with 20K of memory.
- Disk or tape
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0529

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**COMMUNICATION WITH COMPRESSION** **ARI**

**DESCRIPTION:** This software is a series of programs and routines that allow the Series 60 Level 62 and Level 6 to communicate through use of the 2780 Bisyn communication protocol. In addition, the data from the Level 62 is

compressed to improve the transmission efficiency. The current use of these programs is providing 40-50% increase in communication efficiency for print image files. The program/routine group will provide the following elements:

- A Level 62 COBOL compression program that will take any user generated printer formatted file, removing all space characters, thereby creating a compressed transmission file. Multiple files, to be transmitted, can be merged to the printer formatted file prior to compression.
- A list of the Level 62 JCL for Bi-syn communication to the Level 6 utilizing the Honeywell provided standard BSC 2780 communication software package.
- A Level 6 COBOL Bi-syn transmission program will call a translate program to convert data to required sending or receiving character format. (i.e., ASCII-EBCDIC, EBCDIC-ASCII).
- A list of the Level 6 Configuration Load Manager (CLM) instructions.
- A Level 6 program that returns control from any COBOL or assembler program to the Command processor (Operating System).
- A Level 6 COBOL receiving program that reformats record size and stores compressed data to a disk file. The receiving programs uses a record key to determine appropriate disk storage; thereby allowing forms control (preprinted forms, checks, etc.).
- A Level 6 print program that allows the user to select a given report/reports. All transmitted reports will be printed after communication has been disconnected.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 20K of memory
- SYN-Lines
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0416

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#### **DATA COLLECTION SYSTEM VIP 7700      FDA**

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**DESCRIPTION:** The DATACOLLECTION system is a CRT-to-disk data entry system consisting of multiple CRTs, which are processed by a common program. Data is entered under your own predefined input controls at the various CRTs and stored temporarily in a disk file. Under DATACOLLECTION control, you can enter data, validate keys, verify data, edit, delete, back space, skip forward, search, correct data, and create or revise CRT formats all online concurrently. The standard function of left-zero fill, right-justification, and blink-when-zero are performed automatically without any special key strokes.

The major objective of the system is to transfer the user's data to a media that is acceptable to the user's existing applications, dedicating a minimum amount of memory to the task. These objectives were achieved with the use of a common datacollection file, where all data entered into the system is put into a fixed block and written to the common file. Also to ensure that the data entered was correct, editing of numeric fields is done automatically, and/or the user has the option of verifying the data (re-keying all data) that was entered. With a small amount of

modification, the system can be enhanced so that master file key verification is done automatically when data is entered into the system.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Synchronous line and at least one VIP 7700

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Supplied with system or available from Software Distribution, MS209, 151 Needham St., Newton, MA 02161.

**SHIPPING MEDIUM:** Cassette (SBJ 0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### **EASYCODER-TO-COBOL TRANSLATOR      HDS**

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**DESCRIPTION:** The Easycoder-to-COBOL Translator converts Easycoder source language programs to equivalent COBOL statements. The Translator features:

- Complete translation of program logic flow (branches, decision points, program switches, perform ranges, etc.) for all but the most unusual cases
- Translation of data movement (editing and arithmetic) instructions for all functions that have Easycoder equivalents
- Complete translation of all Easycoder data formatting statements
- Identification, translation, and optimization of many common coding techniques

The program being translated must be written in a Series 200 or Series 2000 assembly language — Easycoder A, B, C, D, Mod 1 (MSR), or Extended Mod 1 (MSR) — or must have been translated to Easycoder by Easytran (1401), B, C, or D or Program Modifier C. Programs written in Easycoder A or B or translated by Easytran into Easycoder A or B must be assembled by either the Easycoder C or Easycoder D assembler to create an SPT (symbolic program tape) before translation.

The output of the Translator is a Level 62 COBOL-74 source program (on cards or magnetic tape) in a format suitable for compilation, and a listing of the generated COBOL source coding, cross-referenced by tags and line numbers with the original Easycoder assembled program. Untranslated instructions, together with diagnostic messages, are imbedded in the COBOL program listing and retain their contextual significance. Diagnostic messages also accompany any instructions that have been translated with assumptions.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 65K of user memory
- Printer
- Card reader
- Card punch (optional)
- Two 7-track magnetic tape units
- Two disk pack drives

**OPERATING SYSTEM:** GCOS

**DOCUMENTATION:** Product Brief (AN27)

**SHIPPING MEDIUM:** (SBV 0009)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.



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**FILE TRANSLATOR  
SERIES 200/2000****HDS**

**DESCRIPTION:** The File Translator converts a Series 200 or Series 2000 card or magnetic tape file to a Series 60 sequential file. Disk files to be translated must first be unloaded to a sequential tape file using standard Series 200/2000 utility programs. The character sets for both Series 200/2000 and BCD format files are supported. The input file must have fixed-length records, blocked or unblocked. Unless labels are omitted, file labels must be in the standard 80- or 120-character format.

The keyword-oriented Field Data Description Language (FDDL) is used to describe the input file format, the desired output file format, and the type of translation. Most files require a minimal description for translation. In addition to simply translating files, however, the powerful FDDL repertoire can:

- Check labels
- Reorganize fields within records
- Change field characteristics
- Delete classes of records
- Alter records by deleting or adding fields

Diagnostic messages are provided during the analysis of the File Data Description Language and during file processing. The output file is created in a standard Series 60 sequential file format, according to the user's FDDL specification.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 32K of user memory
- Disk unit
- Printer
- Card reader
- Two 7-track magnetic tape units

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AN27)

**SHIPPING MEDIUM:** (SBV 0008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**FOOTBALL THROW****ARI**

**DESCRIPTION:** Football Throw is a game in which you set the distance you want the receiver to be, you then pick a speed and angle you want to throw, and the flight of the ball is shown after each throw. Excellent for demonstrations. Input is dialed on the switches. Output is the printer. Subroutine to read switches will be included.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-10
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 2 05 0554

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**FORTTRAN****HDS**

**DESCRIPTION:** GCOS Level 62 FORTRAN meets the proposed new American National Standards Institute standard for FORTRAN, and in addition provides a number of extensions to improve programming flexibility. These extensions are totally compatible with the standard language features:

- Extensions to take fuller advantage of Level 62 systems
- Extensions to support expected changes in the American National Standards Institute standard
- Extensions already generally accepted in the data processing industry
- Extensions that provide complete source even upward compatibility with other levels of Series 60. Level 62 FORTRAN programs handle data using the standard GCOS Level 62 data management methods, with full support for sequential files, relative files, and sequential processing of indexed files.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 36K of user memory
- Disk
- Printer or SYSOUT File
- Scientific Instruction Set
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** FORTRAN Reference Manual (AL92)

FORTRAN User's Guide (AX21)

**SHIPPING MEDIUM:** (SBL 0007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**GCOS****HDS**

**DESCRIPTION:** Series 60 Level 62 Basic Supervisor with Communications Supervisors (for use on CPS2003 and CPS2004). The Basic Supervisor controls the central processor dynamic main memory management, program synchronization, supervision of transient components, overlay management, and interrupt servicing. The Basic Supervisor resides in memory at all times and is the interface between the system resources, user activities and other supervisory components. The SBS0201/0203 supervisors include one or more of the following communications supervisors at no separate charge: SBC0005, SBC0006, SBC0007, SBC0014, SBC0015, and/or SBC0016.

Among its features are:

- Modular System Design — Through the design modularity of GCOS, the user can specify an operating system tailored to his needs. As his needs grow, the original Level 62 installation can expand to handle increasing workloads and new applications. GCOS, together with the powerful Level 62 central processors, supports a wide range of user configurations and applications. Main memory can be expanded to 992K bytes.
- Extensive peripheral support — GCOS supports many different peripheral devices: disks, magnetic tape, tape cassette units, diskettes, 80- and 96-column card readers, 80-column card punch, line printers, and communications terminals.

- **Language Processing Capabilities** — GCOS supports the American National Standard COBOL-74 compiler and industry-compatible RPG and FORTRAN compilers. These compilers provide wide-ranging diagnostic and debugging facilities, explicit and implicit program segmentation, and extensive library facilities.
- **Latest Data Management Concepts** — With GCOS, the user is relieved of many chores involving data storage, maintenance, and retrieval. These include allocation and deallocation of file space, label checking, blocking and deblocking of data, and system file security checks.
- **Communications Processing Support** — To provide a simple, economical solution to communications network handling problems, the user tailors GCOS communications processing to his needs. The GCOS Communications System takes over all major control functions involving line discipline, terminal handling, and error handling and recovery procedures. For a complete communications system, the user need only supply the necessary application programs.
- **Checkpoint/Resume** — Ability to resume processing from a previously noted checkpoint after a failure has occurred.
- **Error Recovery Capabilities** — GCOS error management automatically detects, reports, and retries unsuccessful I/O operations; prepares necessary information for error logging; handles interrupts generated by the operator or by a peripheral undergoing a change of state; and handles any abnormal signals that independently arise from the operator or a peripheral device.
- **System Fail-Soft Operations** — For systems under 224K the fail-soft facility lets the user remove a faulty memory module from the system. The system can continue to process jobs not affected by the failed resource.
- **Error Detection and Correction (EDAC)** for systems over 224K bytes of memory automatically provides single-bit hardware error detection and correction and double-bit error detection and reporting.
- **Automatic Volume Recognition** — GCOS file management provides, as a user protection function, a means of ensuring the correct mounting of physical volumes, verifying the standard labels on disk files and the standard and nonstandard labels on magnetic tape and tape cassette files.
- **Device Independence** — The GCOS operating system allows the user to defer the specification of specific devices and (for sequential files) device types until run time.
- **Spooling** — The concept of Spooling centers around the buffering of input/output devices via an intermediate disk file. Job descriptions and data are read from the input device (card reader, diskette) by a process called the input reader and written to the system input (SYSIN) file. System and user reports are written to the system output (SYSOUT) file for subsequent printing by the output writer process. The SYSIN and SYSOUT files are collectively known as the spooling file and share a common data area to better manage disk space. The spooling file, the input reader, and the output writer processes constitute the spooling subsystem, a key component in support of Level 62's multiprogramming capabilities.

The advantages to be gained by the user of Level 62 spooling are:

- Better throughput derived from driving the unit record equipment at speeds closer to its maximum levels and from overlapping that process with other functions.
- Improved operations flexibilities in printing the reports, such as:
  - Selection of report printing based on job name, step name, report name, or report class to accommodate forms and priority requirements.
  - Printing with or without purge from spool file based on user requirements.
  - Production of multiple copies based on a single parameter value.
- Flexibility of selection of file type and peripheral type for output spooling, e.g, SYSOUT, private disk or private magnetic tape file.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Two disk units
- Printer
- Card reader, cassette, diskette or communications

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL03)

Level 62 GCOS Systems Control Manual (AL11)

Level 62 GCOS Data Management Manual (AL10)

Level 62 GCOS Message/Response Manual (AL27)

Level 62 GCOS Operators Guide (AL12)

**SHIPPING MEDIUM:** (SBS 0203)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### **GROSS TO NET PAY CALCULATION                      ARI**

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**DESCRIPTION:** This program calculates gross to net pay from hours input and data from the employee master file. It creates a file to print checks. It has the capability of calculating the following types of pay:

- Hourly wage
- Salary wage
- Monthly payroll
- Semimonthly
- Biweekly
- Weekly payroll
- Client payroll

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- Optional disk and tape
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will custom fit I/O

**I.D. NUMBER:** 2 05 0414

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**HEXCALC** **UL**

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**DESCRIPTION:** This program assists in hexadecimal or decimal calculations and conversions.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1542)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SPECIFIC PROVISIONS:** Correct media must be supplied. **NOTE:** This is an unsupported product.

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**INTERROGATOR OF JCL** **ARI**

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**DESCRIPTION:** This system is designed to interrogate all job control language (JCL), which has previously been loaded to the system control procedure library, and combines it with the standard VTOC information. This produces an extended VTOC listing, showing the relationship of all files with programs and jobs.

Additional reports show file usage by jobs and programs, and program usage within jobs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Operator instructions, flowcharts, sample reports and job control language (JCL)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0388

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**KEY TO DISK-EMULATOR** **ARI**

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**DESCRIPTION:** This program is designed to emulate IBM 3741 Data Entry and is in essence a 23K Key to Disk System. It will allow an operator to:

- Establish a new data set
- Access a data set that already exists
- Change data in an existing data set
- Insert data into a new or existing data set
- Delete records in a data set
- Format a screen for data entry
- Search for a particular record in a data set
- Delete a data set

Although the system was designed for use with a Honeywell Level 62 computer operating under control of GCOS and using Lear Seigler ADM-1 Terminals, it can easily be modified for use with other computer systems and/or terminals.

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**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- One disk (MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0345

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**KWIC-II DOCUMENTATION** **ARI**

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**DESCRIPTION:** KWIC-II is a system level documentation aid. When fed control cards and source programs, KWIC constructs a directory of files and programs that reference them, a directory of programs and files they access, and basic record layouts. The system also prepares source and control card listings and run sheets. Programs may need tailoring (OCL changes, etc.) for a particular installation.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0561

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**LABEL PRINTING UTILITY** **ARI**

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**DESCRIPTION:** The Label Printing Utility program can read various Financial Management master files and print labels.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Two disks (Type 3310)
- Card reader (96 column)
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0458

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**LABEL PRINTING UTILITY** **ARI**

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**DESCRIPTION:** This system accepts user specifications, text, and data cards resulting in the printing of user-defined labels. It edits for errors in addition to print. Although the system is shipped ready to read card input for label printing, minor modifications allow direct input of user disk/tape files.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**DOCUMENTATION:** Systems Manual  
**SHIPPING MEDIUM:** 96-column cards  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 2 05 0085

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**LETTER PRINTING UTILITY** **ARI**

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**DESCRIPTION:** System accepts user specifications, text and data cards, resulting in the printing of multiple letters of essentially the same text. The letters are easily modified. Although the system is shipped ready to read card input for letter printing, minor modifications allow direct input of user disk/tape files.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**DOCUMENTATION:** Systems Manual  
**SHIPPING MEDIUM:** 96-column cards  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 2 05 0146

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**LETTER WRITER PROGRAM** **ARI**

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**DESCRIPTION:** Program prints a letter with variable insertions, adjusts spacing with line overflow carryover. No restrictions on number or positioning of insertions.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 24K of memory
- Printer
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 2 05 0145

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**LINE GRAPH PRINTING UTILITY** **ARI**

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**DESCRIPTION:** The system accepts user transactions, generates additional data required, prints attractive line graphs plotting the points corresponding to the users' input data given. A minimum of input data is required. However, optional input allows users to control scale, range, and identification of the graphs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk

- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**DOCUMENTATION:** Systems Manual  
**SHIPPING MEDIUM:** 96-column cards  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 2 05 0147

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**LOG/3 — SUBSTITUTE** **ARI**

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**DESCRIPTION:** The Log/3-Substitute for Typer Console 5471 in System/3 Model 10 and 12 provides audit trail of operations by logging OCL and system halts on any 5444 disk with eight hours of logging on five tracks. Log/print written in RPG allows user modification to extract special reports from system printer. Special system generation eliminates program load problems. Software easily removed for IMB maintenance. May also be provided to support CRT display replacing 5471.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 2 05 0373

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**MAILING LIST** **ARI**

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**DESCRIPTION:** This system accepts user input to maintain mailing list name, address and classification information, and produces printed lists and/or mailing labels in various sequences. System output is obtained by utilizing extensive selection options.

**Key Reports:**

- Input Error Report
- Output Request
- Selected Records List
- Mailing Labels
- Foreign Country File List

**Best Use:**

- All direct mail campaigns
- Sales promotions, product announcements, etc.
- Membership/association lists and mailings
- Political campaigns and elections
- Church roles and membership
- Canvassing and prospecting
- Mailings to vendors, stockholders, club members, employees, remote branches, representatives, members, associates, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**DOCUMENTATION:** Extensive including user manual, other documents  
**SHIPPING MEDIUM:** Disk  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 2 05 0437

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**MACHINE LOG AND BILLING SYSTEM**      **ARI**

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**DESCRIPTION:** This system reports the usage of all data processing equipment, programming time, system design and planning time, management or any options you wish to include pertaining to the work or cost generated by the data processing department.

The system features an error lookup to validate the detail for the machine log analysis. Data for more than one company can be entered at the same time. It also includes the capability for budget comparison purposes.

The system generates the following reports:

- Detail machine/misc. log data by operator
- A summary analysis by operation
- A summary analysis by machine or misc. category
- A machine log analysis by department
- A daily usage charge on a per customer basis as your invoice

This system is used in the distribution of expenses by cost center and is applicable for any type business. It can be utilized to control actual costing of charges for data processing personnel and equipment.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Two disks
- Diskette or card input device
- Printer

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**DOCUMENTATION:** All source programs, printout of procedures, functional description, implementation description  
**SHIPPING MEDIUM:** Diskette or 96-column Cards  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**SPECIFIC PROVISIONS:** Support will be provided by phone or mail. Nominal charge for author changes.  
**I.D. NUMBER:** 2 05 0518

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**MAPVOL**      **HDS**

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**DESCRIPTION:** This program prints a compact list of a disk Volume Table of Contents. Each file is described on one line of the report.

This program is part of the basic utilities group.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161  
**SHIPPING MEDIUM:** Cassette (A1552)  
**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

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**MFU SORT**      **FDA**

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**DESCRIPTION:** Utility program which provides a sort capability for the multifunction unit on the Level 62. It provides same function as System/3 MFU Sort.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Disk
- Card reader
- Printer
- MFU

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**DOCUMENTATION:** Operating instructions on altering and running the program  
**SHIPPING MEDIUM:** Deck of 80- or 96-column cards  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**NCONVR (NUMERIC TO ALPHA CONVERSION)**      **ARI**

---

**DESCRIPTION:** NCONVR is an RPG subroutine which will convert a numeric value between one and nine hundred thousand to alpha characters for check writing.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to a System/3
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 2 05 0454

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**NUMERIC TO ALPHA CONVERSION**      **ARI**

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**DESCRIPTION:** This subroutine uses array processing to convert numeric amounts to alpha characters for check writing.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 8K of memory
- Disk

**OPERATING SYSTEM:** GCOS Level 62  
**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0508

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**PROCEDURE DOCUMENTATION SYSTEM ARI**

**DESCRIPTION:** The system consists of four programs:

- PDOCCN — Allows entry changes to cross-reference sort parameter and the ability to have machine calculate the \$MAINT OCL necessary to get the procedure from the source library.
- PDOCST — Calculates the sort specifications necessary to run the cross-reference list program using a key-word contained in the 'HD' header record.
- PDOCUM — Creates a documentation record. A header record is provided for operational comments and variable company usage. This program consists of two sub-routines #STRCP and #FDPRM and for best results should be compiled with auto-report feature.
- PDOCLS — Lists the cross-referenced procedure analysis records coming out of the audit and sort calculation programs executed prior to this. A level break is calculated on the key field selected by the sort key field parameter in the header record.

This procedure documentation system generates one report from each program. It creates a report from whichever parameter is called. i.e., program, process, label, name, pack, unit, or reel.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-12 or 15 with 24K of memory
- Two disks
- Diskette or input device
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Alterations/additions by mutually agreed price.

**I.D. NUMBER:** 2 05 0558

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**RECORDING OFFLINE AND READING NONSTANDARD T.C. UL**

**DESCRIPTION:** A utility to record offline and to read nonstandard T.C.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1543)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

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**REMOTE TEXT EDITOR UL**

**DESCRIPTION:** The Level 62 Remote Text Editor is a remote entry utility program that enables users to perform routine source unit library maintenance, build and invoke execution of a control procedure file containing job control language (JCL), and examine disk report files. These functions can be initiated from any remote terminal type supported by the Level 62 communications supervisor.

Remote Text Editor consists of these major elements: source unit library or libraries, work files, and report files.

Terminal operator functions include:

- Library Maintenance: Enter source, copy, edit, replace, display
- Job Control File: Create, copy
- Report File: Examine, display
- Terminal/Console: Send to console from terminal and the reverse

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Communications hardware and software with at least one line and supported terminal available
- Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Supplied with system or available from Software Distribution, MS 209, 151 Needham St., Newton, Mass. 02161

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**RESET INDEXED FILES HDS**

**DESCRIPTION:** This utility makes a loaded index file appear empty, so that a subsequent procedure can reload it. The object is to eliminate the need to DEALLOC and REALLOC an indexed file in order to reuse it.

This program is part of the basic utilities group.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1541)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

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**REVNAM (REVERSES NAME) ARI**

**DESCRIPTION:** This RPG Routine will locate the last name from a free format name field. The last name is positioned before the first name in another free format name field. The routine handles titles and multiple word last names.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3-12
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 05 0478**RPG CUTEMP, C8T9****UL**

**DESCRIPTION:** Converts 80-column tab cards to 96-column tab cards via MFU. Once the RPG CUTEMP program is compiled and on a system disk, JCL deck \$JOB C8T9 must be used to convert decks.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Disk
- Card reader
- Printer
- MFU for \$JOB C8T9

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** JCL Deck and RPG Program (A1522)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

**RPG LEVEL 62****HDS**

**DESCRIPTION:** RPG is a high-level language with efficient, commercially-oriented problem-solving capabilities. The language has the following aspects:

- RPG specifications forms are ideal for describing complex input/output procedures; they enable users to describe data processing problems quickly and easily by specifying both the files and input data representing the problem, and the output reports and files to be produced by RPG application program.
- RPG fixed logic cycle reduces much routine programming work.
- RPG compilation and execution diagnostic capabilities make programs easy to develop and test.
- Standard data management access routines permit the interchange of data files among RPG and COBOL programs.

The RPG compiler has the following capabilities:

- RPG source input read from 80- or 96-column cards, or source unit libraries on disk
- Automatic file manipulation and disk handling
- Support of sequential, indexed and direct file organizations
- Program diagnostic trace facilities
- Dynamic table handling

- Lookahead feature
- Checkpoint/resume
- Read and set control variables
- Linkage of RPG object programs to external routines
- Utilization of standard data management access routines by object programs

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 28K of memory
- Disk
- Printer or SYSOUT file
- Sequential input device or source library

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL06)  
RPG Users Guide (AL15)

RPG Language Reference Manual (AL14)

**SHIPPING MEDIUM:** Source deck and disk (SBL 0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**RUN SHEET PRINTER UTILITY****ARI**

**DESCRIPTION:** The system utilizes OCL records in conjunction with the 'H' and 'F' specifications from the RPG programs used in a system to document that system by printing a program run sheet for each job run. The system requires no coding or additional input other than this source program and OCL input.

The OCL is loaded to disk and rearranged. The program specifications are read, the necessary data is extracted, and this data is loaded to disk. These two sets of data are matched and processed to prepare a program run sheet for each instance, based on the number of OCL sets found, each program is executed within the system.

Programs are included to load OCL records to disk, rearrange the parameters for processing; search for and load program information records to disk; print graphic run-sheets for each program run.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Extensive including user manual

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0438**SORT AND MERGE****HDS**

**DESCRIPTION:** These utilities provide comprehensive file sorting (record or key) and merging services that are easy to use and wide-ranging in application.

The Level 62 Sort utility offers these capabilities:

- Defines up to eight record classes and processes them as follows:
  - Including/omitting all records in the class

- Accepting control fields of up to 16 keys per class
- Structuring the output record by rearrangement of fields from the input record, or by passing the input record through unchanged
- Summing up to four fields in records with identical keys

- Writes records omitted from a sort to an optional exception file
- Permits record or key sorts
- Permits alterations to the basic EBCDIC collating sequence
- Operates with minimal disk work file space, i.e., approximately the same size as the output file (or, in some circumstances, no separate work file at all)
- Checks that work space is sufficient
- Allows input, exception, and output files on disk, tape cassette, or cards; also, may write exception and output file to printer
- Allows sequential, indexed, or direct file organization for input files (exception and output files are organized sequentially)
- Supports multivolume file processing
- Produces a record-address output file (when a key sort is performed) that can be used as an index to retrieve records from the input file in the required sorted order

The Level 62 Merge utility possesses these capabilities:

- Processes up to five input files from disk, tape cassette, or cards
- Allows full record class capability for up to eight record classes (same as the Sort utility)
- Writes records omitted from a merge to an optional exception file
- Accepts sequential input, exception, and output files
- Writes exception and output files to disk, tape cassette, cards, or printer
- Permits alterations to the basic EBCDIC collating sequence
- Supports multivolume file processing

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 central system with 28K of memory
- Disk
- Printer or SYSOUT file
- Sequential input device

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL05)

Sort and MERGE Manual (AL19)

**SHIPPING MEDIUM:** Card or Disk (SBU 0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### SOURCE PROGRAM LIST — SPLIST ARI

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**DESCRIPTION:** The SPLIST System is a documentation aid for cataloged source programs and OCL procedures. The system explodes procedures in a bill of material type format directly from the libraries.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3 with 12K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0544

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#### STATISTICAL CROSS TABULATIONS ARI

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**DESCRIPTION:** This software allows the user to prepare five dimensional statistical tables. The user need only to specify the input file and major sequence level before compiling the source deck. For each required sequence, the data is presented in up to three groups, where each group is a matrix of up to 12 columns and up to 17 rows. Number of rows is a factor dependent upon core size. The file summary of all sequence levels are presented in the same form. Recompilation is not necessary if several reports are required using the same sequence but different row and column data. Report specifications are defined at execution time and are read in as data cards. Provision is made to select all records or specific records based on one or two characteristics, for inclusion in report. Data can be tallied in units of one or by using a 6 digit raising factor, that contains 3 decimal positions, recorded on each data record. The specifications may request that the matrix be presented as totals and/or percentages, where the column total equal 100% and/or where row total equal 100% and/or where the grand total equal 100%. Only one pass of the data is required for any combination of the total and percentages. A source update program is optional. This allows the user to copy and modify the source program for compilation without disturbing the original program.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 62 hardware configuration comparable to System/3-10 with 16K of memory
- One disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 2 05 0386

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#### SYNCHRONOUS COMMUNICATIONS HDS

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**DESCRIPTION:** The GCOS Communications System offers the following features:

- Automatic control over major network control functions; programmers are free to concentrate on communications application programs
- A network visible enough so that user control can be exercised when conditions warrant
- An easy-to-use interface, provided with GCOS COBOL
- Message processing and communications activities, automatically overlapped
- Application programs independent of the number of terminal devices connected to the network; if the number of terminals changes, application programs need not be recompiled
- Low system overhead; the Communications System is present in memory only when users want to use the communications facilities



- Efficient memory usage; memory space is conserved by tailoring the Communications System to users' particular needs, e.g., during low-activity periods, only those buffers that are required for lines and terminals in use will be created
- Full simultaneity of data transfer between buffers and terminals regardless of line speeds, transmission codes, and line links
- Automatic handling of multiple, simultaneous data transmission activities

GCOS Communications Systems provide the following capabilities:

- Up to 25 communications lines (24 may be synchronous)
- Maximum of 32 terminals per line
- Synchronous, asynchronous, and binary synchronous two-way, alternate transmission modes
- Line speeds from 110 up to 9600 bits per second
- Handling of 6-, 7-, and 8-bit codes
- Half- and full-duplex operation
- Support of buffered and unbuffered terminal devices
- Support of polled or contention networks
- Point-to-point and multipoint connections
- Support of 3270 and devices compatible to the 3270

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 15K to 29K supervisor plus a user activity (minimum 20K) memory
- Communication device(s)
- Synchronous line addressing and line terminators

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL09)  
C S/B Terminals (AU38)  
BSC 1/2 (AU39)

**SHIPPING MEDIUM:** (SBC 0005)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SYSTEM/3 CARD CONVERSION HDS**

**DESCRIPTION:** This package aids users converting from IBM System/3 equipment to Series 60 Level 62. The package contains software aids for converting System/3 card files and RPG source programs, as well as a comprehensive conversion guide containing specific procedures.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL08)  
System/3 to Level 62 Conversion Guide (AL20)

**SHIPPING MEDIUM:** (SBV 0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SYSTEM/3 DISK CONVERSION HDS**

**DESCRIPTION:** This package aids users converting from IBM System/3 equipment to Series 60 Level 62. The package contains software aids for converting System/3 data files and RPG source programs, as well as a comprehensive conversion guide containing specific procedures.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL08)  
System/3 to Level 62 Conversion Guide (AL20)

**SHIPPING MEDIUM:** (SBV 0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SYSTEM/360 MODEL 20 CARD CONVERTER HDS**

**DESCRIPTION:** The IBM System/360 Model 20 conversion package is designed to aid conversion from the IBM environment to the Honeywell Level 62 environment. The package comprises software aids for the conversion of 360-20 data files and RPG source programs; specific procedures are explained in a comprehensive conversion guide.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 24K of memory
- Two disk units
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL90)  
360/20 to Level 62 Conversion Guide (AL20)

**SHIPPING MEDIUM:** (SBV 0006)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SYSTEM/360 MODEL 20 DISK CONVERTER HDS**

**DESCRIPTION:** The IBM System/360 Model 20 conversion package aids conversion from the IBM environment to the Honeywell Level 62 environment. The package comprises software aids for the conversion of 360-20 data files and RPG source programs, and specific procedures explained in a comprehensive conversion guide.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 24K of memory
- Two disk units
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL90)  
360/20 Level 62 Conversion Guide (AL20)

**SHIPPING MEDIUM:** (SBV0007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**TAPE CASSETTE UTILITY (CASREPRO) UL**

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**DESCRIPTION:** This program lets the user manipulate the tape cassette. It works with only one side of the tape cassette and handles variable length records. The action dialog with the user is either through the input reader or the console.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Additional cassette unit for COPY and COMPARE functions
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1509)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

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**TAPE LABEL DUMP ARI**

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**DESCRIPTION:** The Tape Label Dump will print information contained in VOL1 and HDR1 labels of magnetic tapes. Two versions allow for either 7- or 9-track tapes. It is useful to service bureaus and other organizations that exchange tapes between various computer systems.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- One disk
- 7- or 9-track tape
- Console
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0536

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**TRANSACTION PROGRAMMING SYSTEM (TPS) HDS**

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**DESCRIPTION:** The Level 62 Transaction Programming System (TPS) is a simple, efficient, and economical method of quickly implementing online, user-oriented communications applications. TPS extends the widely accepted communications capabilities of Level 62 to a broad, new range of prospective Level 62 users by providing a variety of new capabilities:

- RPG-like interface. Coding a TPS application is similar to coding an RPG program. The primary difference is the absence of a fixed logic cycle. The forms used to code a TPS program differ only slightly from standard RPG specification forms. The ease of use of TPS also extends its applicability to the COBOL

programmer, greatly simplifying the development of transaction-oriented applications.

- A TPS application consists of a monitor for network and message control plus a number of user-written Interactive Transaction Programs (ITPs). Each ITP handles a particular type of transaction and consists of a number of Message Routines which process each single input message.
- Since network management is performed by the monitor, coding the ITPs is as easy as coding a local batch application program. Moreover, it is possible to insert new ITPs or modify existing ones and recompile without affecting other programs in the TPS environment.

TPS exists in the standard Level 62 GCOS VIP7700 environment. It may execute concurrently with batch, communications, or another TPS activity. Creation of a TPS application consists of two parts, describing the environment and writing the ITPs, then generating the program.

- TPS generation is accomplished by submitting the environment description and ITPs to the Transaction Program Generator. The environment description and the individual ITPs are treated as subfiles and may be submitted directly or from a source library.
- Operation of a TPS application is under control of the system operator.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system
- Communications hardware and software with at least one synchronous line and at least one VIP7700

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** TPS (RPG-Like)

**DOCUMENTATION:** TPS Reference Manual (AY72) Communications System Basic — Terminals Reference Manual (AU38)

**SHIPPING MEDIUM:** Disk or Tape (SBU0010)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**TRANSACTION RESPONSE SYSTEM FDA**

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**DESCRIPTION:** The Transaction Response System (TRS) is a powerful, versatile, communications-oriented executive for efficiently processing a wide variety of business transactions from remote terminals. TRS is easily implemented under the control of GCOS Level 62 and operates concurrently with the other dimensions of GCOS.

TRS employs a high-level COBOL language for describing and maintaining transactions. Any programmer can write a transaction processing program for TRS. Since the interfaces are interactive, the terminal user needs little experience to communicate with TRS and no programming experience to use it.

TRS provides efficient and automatic management of terminals and system privacy. This frees the user to concentrate on the resolution of business problems rather than on software and integration projects.

With its high throughput capability, TRS performs many tasks while permitting multiaccess to programs and data

from many remote terminals. It is completely compatible with existing data and communications control software. TRS combines the capabilities of an advanced operating executive with a communications subsystem capable of simultaneously handling a large number of remote terminals.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 96K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette or disk (SBJ 0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**UNIVERSAL TOTAL LEVEL 2 (L-62) LIC**

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**DESCRIPTION:** TOTAL is a program product that provides a data base management capability, functioning with a host language (COBOL, FORTRAN, RPG). It provides the input/output interface with the random access device. It functions in two ways:

- As a descriptor language (DDL) which defines files, records, fields, and interrecord/file relationships
- As a data management language (DML) which allows the programmer to implement and maintain these records and relationships

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 32K per activity utilizing TOTAL
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** Object code available only

**DOCUMENTATION:** Product Brief (AW27)  
User Manual (AW54)  
Sales Brochure (AJ92)

**SHIPPING MEDIUM:** Universal TOTAL Level 2 — Cassette Supportive Software — tape or disk (SBD0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months

- On fully paid up license, software maintenance updating charge invoiced annually commencing 1 year after delivery
- License Option Credits (LOC) of 50% of first six months of monthly license fees paid may be applied toward conversion to a fully paid up license
- Installation and systems support available at the current worker-day rate plus travel and lodging

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**UTILITY PACKAGE INCLUDING TEST DATA GENERATOR (TDG) HDS**

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**DESCRIPTION:** The GCOS Level 62 utility package consists of multifunction utility programs for volume/file management and file/library maintenance. These ready-made tools free the programmer from the burden of coding programs for common or routine tasks. All are easy to use, and the many default options allow quick and simple coding for most tasks. However, the flexibility inherent in these options allows the same utility macro instructions to be used for many other less common tasks as well.

Such a versatile utility package offers many benefits to the Level 62 user:

- Comprehensive, powerful set of utility routines
- Easy-to-learn, common utility language
- Quick and simple coding for the most common utility functions
- Ability to perform unusual or complex functions
- Reduced programming time and effort

GCOS utilities can be divided into three functional classes. Service utilities perform functions relating to the management and processing of files and volumes. Library maintenance utilities perform the creation, deletion, and manipulation of user libraries and library members. The output writer utility is responsible for the management and printing of system and user output data. The Test Data Generator utility program consists of three separate modules: interface, compiler, and file generation.

*The interface module* provides compatibility with high-level languages: COBOL, FORTRAN and RPG. If users prefer to use RPG input, they can replace the COBOL or FORTRAN interface module with the RPG interface module. This module translates the input statements into intermediate statements the compiler recognizes.

*The compiler module* performs syntax checks on the input statements and produces a set of internal tables necessary for creating and loading the test data file. An extensive diagnostic routine detects input statement errors. The TDG program stops if an error is detected. If recovery is possible, it provides the operator with the necessary messages either to correct the error or to restart the operation.

*The file generating module* creates and loads the test data file onto a specified storage device. In addition, a listing of the file can be requested.

**MINIMUM HARDWARE REQUIREMENTS:** Hardware requirements vary depending on utility being executed. Service and library need a maximum of 28K of memory. Output writer can be scheduled as a step and is launched as a separate activity that requires 14K of memory.

- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL38)  
Level 62 Utility Programs Manual (AL18)

**SHIPPING MEDIUM:** (SBU 0007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**COMMUNICATIONS CONTROL EXECUTIVE****ARI**

**DESCRIPTION:** This transaction processing executive manages a communications network. Application programs are written in COBOL and linked with the executive. Application programmers do not need communications experience to use this system. Its main functions are:

- Security — Access to network, function and program is controlled by the executive. Multiple authorization levels are available to programs. Online maintenance of security controls.
- CRT Compiler and CRT Journal Print — Utilities to create screen formats and print journaled records. Described separately in this publication as CRT Screen Compiler (I.D. 2 05 0603) and CRT Screen Journal Print (I.D. 2 05 0604.)
- Online Sort and Print — A dual activity concept allows online creation of sorted batch reports. Reports are stored in a spool file. Reports are selectively printed on ROPs under control of the executive. Other network activity continues during printing.
- Application Program Management — The software analyzes transaction messages and loads the required application program.
- Multistation Program Use — Multiple stations can use the same program at the same time. This is transparent to the programmer.
- Communications Problem Handling — The system interprets all transmission problems and when necessary notifies the application program of the required action to take.
- Restart/Recovery — It automatically restores all stations to their previous status on a restart. Programs are notified that a restart is occurring. Files are recovered using a stand-alone utility and journal records.
- Sign-on/Sign-off and Menu Processing — Function and program menus provide ready reference to what is available in the system. If the directory is not needed, access to programs can be gained through the sign-on screen, saving several transmissions.
- Precoded Routines — These are provided to handle all communications and interface functions. These routines are copied into programs as needed. This technique allows rapid program development and eases system maintenance.
- Network Control — The executive provides online control of the network. Stations can be enabled and/or disabled and network activity can be monitored.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with variable memory
- Disk
- Card reader
- Printer
- VIP 7700 or VIP 7760

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Can be installed and running in less than one week. Price includes training and installation. Travel expenses extra.**I.D. NUMBER:** 2 05 0602

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**CRT SCREEN COMPILER****ARI**

**DESCRIPTION:** This program processes field specification cards and produces the following:

- Edit/Error list of all input cards
- Printed screen image
- Object screen record in a screen file containing all control characters
- COBOL 01 Level record descriptions for both send and receive screens; these are copied to a source library for program use.

Application programs read the object screens from the screen file as they are needed for transmission. Programmers do not have to code control characters in any programs. Each field described can carry a user defined data name.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 40K of memory
- Disk
- Card reader
- Printer
- VIP 7700 or VIP 7760

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 05 0603

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**CRT SCREEN JOURNAL PRINT****ARI**

**DESCRIPTION:** This system, used in conjunction with the CRT Screen Compiler, (I.D. 2 05 0603), provides the ability to print journalized records in CRT screen format. Hard copy records of who changed what are created without writing specialized programs. Changes with future effective dates (enter the change today to take effect next Monday) can be accommodated using this system. Each field changed can be flagged with an asterisk on the printout. Minimal user code is required.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 40K of memory
- Disk
- Card reader
- Printer
- VIP 7700 or VIP 7760

**OPERATING SYSTEM:** GCOS Level 62**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 2 05 0604

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**FLEXTRACT-WRITER****ARI**

**DESCRIPTION:** Flextract-Writer is a programmer productivity tool. With a minimum amount of coding, a structured Go-To-Less COBOL Flextract program is created. The created program is a flexible data extraction program. It can be used to extract any data from a file or data base. The extracted data can be directed to a file or data base, or any valid output, such as tape, diskette, printer, CRT.

In order to extract this data the following features are automatically included in the Flextract program:

- The ability to access any field, in whole or in part, in any record within the file and perform the following comparisons:
  - Equal to
  - Less than
  - Greater than
  - From ... to ...
- NOT may be used with any of the above.

Other features include:

- Automatic decimal alignment for numeric comparisons
- Date comparisons
- "ANY X Out Of N" option
- "EVERY" option

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system comparable to System/3 with 16K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Operator instructions, user instructions, programmer instructions, sample forms and reports

**SHIPPING MEDIUM:** Cards, diskette or customer-supplied disk; source or object code

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Rental or purchase of this product includes one set of documentation; Source listing of same programs. Conversion and installation assistance if required at reasonable rates.

**I.D. NUMBER:** 2 05 0597

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**KWICO** **ARI**

**DESCRIPTION:** KWICO is an RPG-II program which reads other RPG-II programs on virtually any medium and produces printer spacing charts similar to those generated manually. KWICO edits all output and also spaces according to RPG-II output specifications. Conflicting or overlapped output fields or constants are printed on a separate line in dark print. KWICO can be shipped on 80-column cards, 96-column cards or diskettes.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 12K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0595

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**KWRA** **ARI**

**DESCRIPTION:** KWRA is a small RPG-II sub-routine which will right adjust a field of any length from 2-15

positions long. User is given a listing of KWRA which consists of approximately 25 source statements.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 12K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0596

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**COBOL STANDARDIZER** **ARI**

**DESCRIPTION:** This system is designed primarily to operate on existing COBOL programs, particularly those which are old, overly large, poorly written, poorly documented and/or poorly maintained. It can be of great value in the following instances:

- Systems optimization, standardization, and/or documentation effort
- Hardware or software conversions
- Development of new applications.

For users with a limited number of programs needing standardization, a mail-in "COBOL Laundry" service is available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 62 central system with 64K of memory
- Tape
- Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 05 0665

# **Section 3**

**SERIES 1600**

**SERIES 200/2000**

**SERIES 60 LEVEL 64**

**SECTION 3**  
**SERIES 1600, SERIES 200/2000, SERIES 60 LEVEL 64**  
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# Section 3

## SERIES 1600

## SERIES 200/2000

## SERIES 60 LEVEL 64

### FINANCIAL MANAGEMENT

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#### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** Sales invoices and cash receipts are coded and batched by keypunch. Reports include: Invoice, Cash Receipt, Credit Memo, Write-Off and Adjustment Registers; Detailed Aged Trial Balance; Exception Reporting of delinquent accounts; zero balance list; Master List and Labels; Cash Receipts Distribution and Posting Register.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks
- Reader punch
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Complete user documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 01 0018

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#### ACCOUNTS RECEIVABLE — DISK OPEN-ITEM ARI

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**DESCRIPTION:** The system maintains an open-item accounts receivable file on magnetic disk. It adds new invoice summary records, deletes paid invoice records, updates partial payments, sets up balances and deletes paid balances. Separate files are maintained of all invoice summary records and of all paid invoice records and balances. Month-end and past due registers and selected statements are run from the accounts receivable file with a name and address file, as well as posting sheets, paid lists and invoice lists.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Two disks
- Tape
- Printer
- Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL/RPG

**DOCUMENTATION:** Flow charts, program narratives, operating procedures, files, allocations are included with all programs

**SHIPPING MEDIUM:** Card source decks

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Source decks may be changed as needed by purchaser.

**I.D. NUMBER:** 5 01 0192

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#### ALCIE ARI

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**DESCRIPTION:** ALCIE, an acronym for assets, liabilities, capital, income, and expense, is a complete financial management package. It provides:

- Journals by source, i.e., sales, cash receipts, check register, payroll distribution, purchases, payroll, and journal entries.
- Detail general ledger featuring virtually unlimited scheduling of each ledger account, alpha descriptions, departmental breakdowns, trial balance worksheets, and freedom in selecting chart of accounts.
- Operating statement featuring report generator controls, optional suppression of account numbers, composite P & L, consolidated P & L/balance sheet, multiple departments and budgeting, payroll earnings records integrated with the general ledger, crossfooting of P/R checks, 941 As, W-2s.
- Job cost ledger featuring integration with general ledger, payroll distribution to jobs and phases within jobs, automatic closing of jobs to P & L, reporting formats for contractors-engineers-inventory in process, detail for each job retained perpetually, and budgeting by phase of job.
- Accounts receivable featuring open item balance forward, integration with General Ledger, age analysis, customer statements, and mailing labels.
- Accounts payable featuring integration with the general ledger, open item, balance forward, age analysis with deferred invoices aged forward, vouchers, checks, and mailing labels.

Flexibility is achieved through the powerful client control section which is easily set up usually in less than a half hour. The virtually unrestricted use of an 18-digit general ledger account number (2-department, 4-prime, 6-sub, 6-sub/sub) in designing a chart of accounts further adds to the systems power. Well thought out file structures lend themselves to the accumulation of a variety of information useful in reporting beyond the standard reports.

Further, all input, regardless of source, is of the same format and no concern need be given to the sequence of input data. Operator intervention during a run is limited only to proper forms and alignment in the printer. The package is valuable for turnkey financial applications as well as for service bureau operations.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Two disks (Type 173-2)
- Card reader and punch or reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance unsupported after initial installation.

**I.D. NUMBER:** 5 01 0330

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**GENERAL LEDGER AND FINANCIAL REPORTING SYSTEM****REFERRAL**

**DESCRIPTION:** The General Ledger and Financial Reporting System runs in a TOTAL environment on Honeywell Series 2000 computers. It gives corporate executives greater up-to-date information and more control over subsidiary companies and/or operating divisions. It provides executives, department heads and accountants with the ability to request, design, and implement their own unique reports. Once these reports are prepared, they are stored in the report master file so that the information is provided automatically from then on.

The reports provided include financial statements with comparisons to budget, cash flow, cost center and responsibility, project, cost center and product reporting.

**System Benefits**

Some of the advantages of this system are:

- Capability for handling any General Ledger account numbering system
- Ability to handle multiple General Ledger account coding systems simultaneously for subsidiaries
- Faster period reporting
- Powerful allocation capability that allows the user to perform both fixed and variable allocations, utilizing variable percentages calculated from a ratio of both dollar and nondollar statistical type input (i.e., people, units of measure, etc.)
- Powerful report writer to provide greater management information and control without constant reprogramming and maintenance
- Simple input forms to allow accounting to establish its own pyramid of accounts and alter the organization if necessary
- System handles complex consolidations of subsidiaries with unlike charts of accounts that even involve currency conversion
- Complete responsibility reporting inherent in the capabilities of the system as well as future online inquiry
- Validation of General Ledger account numbers during the edit runs, plus the extensive control capabilities of the system, providing user with a system that has been approved and praised by the major auditing firms in the nation.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K memory
- Tape drive
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** User's Guide furnished with the system

**SHIPPING MEDIUM:** System furnished by Software International

**ORDERING PROCEDURE:** Contact Marketing Manager, MS 442, Honeywell Information Systems Inc., 200 Smith Street, Waltham, MA 02154

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**GENERAL LEDGER F WITH BUDGETS****FDA**

**DESCRIPTION:** The system classifies, summarizes, and records all assets, liabilities, revenue, and expenses. The system follows general accounting principles relating to the analysis, control, and journalizing of all transactions for the subsequent creation of balance sheets, income statements, general ledgers, subledgers, trial balance reports, and journals. Financial statements can be multi-level and the system operates in multiclient environment. Each company can use its own chart of accounts and its own fiscal accounting period.

The following enhancements have been included in this version. A budget file has been added to the system and comparative reports are provided to show comparison of actual to budgeted expense. Files have been reorganized to make the system operate more efficiently. General Ledger Master has been changed from 114 to 69 characters. One set of records with report code are written from which all ledgers and trial balance are printed. Ledgers print detail description on each detail line and the account title is the heading line.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Printer
- Two disk drives
- Card reader
- Card punch
- Advanced programming and editing features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available from Marketing Manager.

**ORDERING PROCEDURE:** Contact Marketing Manager, MS 442, Honeywell Information Systems Inc., 200 Smith Street, Waltham, MA 02154.

**SPECIFIC PROVISIONS:** Support will be provided by author. There is a nominal charge for this product.

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**PAYROLL****ARI**

**DESCRIPTION:** A self-adapting system that provides employee rosters, master report for each employee, earnings report with labor distribution by department, payroll checks with flexible earning statements, payroll journal and check register vacation and sick leave accounting, quarterly payroll tax reports and annual W-2s.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 Series 60 Level 64 central system with 64K of memory
- Two disks
- Two tapes
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Extensive

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 01 0137

---

**PAYROLL DISK****ARI**

**DESCRIPTION:** The system maintains a disk master file of all employees with employee number, name, number of dependents, rate of pay, overtime rate, dates of employment, birth and last rate change, department, year-to-date amounts, quarterly amounts, current month amounts, and up to eight voluntary deductions. The system computes gross pay for semimonthly or hourly rates of pay, calculates and deducts federal, state and city taxes, prepares payroll registers and payroll checks. Quarterly tax reports and W-2 statements are also prepared. Several other reports such as listings of all employees showing rates of pay and other reports are also included. The system allows for several different payrolls to be in one master file that can be run at various times.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Two disks
- Tape
- Printer
- Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)**PROGRAMMING LANGUAGE:** COBOL/RPG

**DOCUMENTATION:** Flow charts, program narratives, operating procedures, file allocations included with all programs

**SHIPPING MEDIUM:** Card source decks**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Source decks may be changed as needed by purchaser.

**I.D. NUMBER:** 5 01 0058.

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**PAYROLL (Mod 1)****HDA**

**DESCRIPTION:** This generalized Honeywell Series 200/2000 Payroll System can be used in manufacturing, distribution, banking, government, and medical environments (including hospitals), service bureaus, retail business and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

The Honeywell Series 200/2000 Payroll System is designed with the flexibility and capacity to handle a wide range of business situations.

It processes a large number of voluntary deductions for each employee and systematically providing the accounting and reporting necessary to support these deductions. It also efficiently handles multiple forms of compensation (hourly, salary, bonus, commission, etc.) and pay cycles (weekly, biweekly, semimonthly, and monthly). Payroll tax updating has been simplified and no programming is required to get tax changes into the system.

The System computes gross pay using several compensation methods; it maintains, calculates, and deducts federal and state taxes and voluntary deductions, and prepares accurate payroll checks. Several rates can be used in calculation of pay for each employee and payroll costs can be distributed to an unlimited number of cost centers. Government payroll tax requirements are met and an improved design of tax deduction algorithms is provided

for easy maintenance. Each employee can have an unlimited number of deductions and several pay frequencies are provided. Check reconciliation is included with this system.

Features include:

- Each deduction can contain maximum or balance limit
- Numerous deduction cycles and methods of calculation included
- Priorities can be set for deductions
- Untaken deductions are listed and optionally may automatically be deducted at a later date
- Provides for tax free deductions and special one-time deductions
- Deductions may be overridden at any time
- Application of deductions provided as specified by user e.g., bonds, stock
- Calculates federal and state taxes
- Computes company tax liability for disability fund and state and federal unemployment insurance
- System architecture permits addition of local taxes
- Employee may work in several states; separate tax record provided for each state
- New tax update system eliminates programming to maintain tax changes
- Payroll distribution (expense) automatically enters general ledger
- Labor Distribution Report shows wage expense and hours for each employee, distributed to many cost centers or projects
- Facilitates tighter control of payroll expense
- Weekly, biweekly, semimonthly, monthly pay cycles included. Other cycles can easily be added by user.
- Identify up to 14 different earnings types and accumulates hours (units) for 7 of them
- Basic data available for job costing
- Allows multiple pay rates per employee
- Amount may be added to base amount in employee master file
- Recognizes and incorporates shift differential
- Computes overtime
- Processes advances and cash payments
- No time cards required for salaried employees
- Allows 16 voluntary deductions per employee
- Company permitted up to 99 different voluntary deduction types

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 65K of memory
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** Mod1 (MSR)**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Handbook (draft available from Industry Marketing)

**SHIPPING MEDIUM:** Discopy (APF 6005)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Payroll Tax Maintenance (APF 6006) should be ordered with this system

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**PAYROLL (Mod 1) TAX MAINTENANCE HDA**

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**DESCRIPTION:** This is a payroll tax maintenance service to update federal income tax, FICA requirements and state tax routines in the Series 200/2000 Payroll (APF 6005)

**SHIPPING MEDIUM:** (APF 6006) Updates sent direct to subscriber.

**ORDERING PROCEDURE:** Contact your Honeywell Marketing Representative.

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**PAYROLL (PAY-RYTE) ARI**

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**DESCRIPTION:** The PAY-RYTE Payroll is a complete and flexible multi-company payroll system. It will process hourly and/or salaried employees with varying pay period frequencies in one pass. No detail input required to pay salaried employees. The system handles up to 99 pay categories such as regular, over time, shift differential, holiday, vacation, sick, etc. It reports vacation, sick, and holiday pay hours taken and remaining YTD. Manual checks, reversals, bank services and labor distribution are handled as an integral part of reporting system. All required state and local taxes taken. A maximum of 99 user-assigned miscellaneous type deductions can be processed. Many optional payroll reports are included and a Data link to PAS-RYTE is provided.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 48K of memory
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Tax maintenance option available. Installation support is included in the price.

**I.D. NUMBER:** 4 01 0564

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**PERSONNEL ADMINISTRATION SYSTEM (PAS-RYTE) ARI**

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**DESCRIPTION:** The Personnel Administration System was developed in response to the ever increasing personnel record keeping and reporting requirements. Though low cost, it is a high powered multi-company employee information system. PASS-RYTE was designed strictly as a personnel system, with information links to the PAY-RYTE payroll system. PAS-RYTE features:

- User defined input formats and edits
- Chronological job/salary history
- Personnel file image and turnaround documents
- Salary administration guideline system
- Tickler file for benefit administration, etc.
- EEO summaries
- Mailing labels
- Alpha/numeric cross reference indices
- Pre-defined and custom generated reports, capable of extracting present and future government reports for OSHA, ERISA, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of memory
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available. Installation support included in price.

**I.D. NUMBER:** 4 01 0563

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**SERIES 60 LEVEL 64 PAYROLL TAX MAINTENANCE HDA**

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**DESCRIPTION:** This is a payroll tax maintenance service for existing federal and state tax routines in the Series 60 Level 64 Payroll (ACF0004)

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 65K of memory
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (CC02)

Financial Management System (AL70)

Sales Presentation Material, including vugraphs (available from Marketing Manager).

**SHIPPING MEDIUM:** Discopy (ACF6004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**SERIES 60 LEVEL 64 ACCOUNTS PAYABLE HDA**

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**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Payable system can be used in manufacturing, distribution, banking, government, and medical environments, service bureaus, retail business and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

The Honeywell Series 60 Level 64 Accounts Payable System maintains an accurate record of users' obligations for the purchase of materials and services on credit. It is designed to increase profit by maximizing available discounts through timely and accurate payments. The system's many outstanding features enable you to get the most out of your working capital.

- Keeps users informed of future payment requirements through both short and long-term cash forecasting
- Maintains complete statistics on the volume of business done with each vendor, providing you with valuable information when negotiating price breaks

- Automatically calculates discounts and due dates, yet allows users to override the calculation when necessary
- Includes expense distribution to an unlimited number of ledger accounts and permits partial payments and last minute changes in the date of payment
- Maintains an accurate record of outstanding liabilities and provides sufficient detail to maximize discounts
- Makes positive identification of invoices paid with each draft
- Provides accurate and unlimited expense distribution
- Permits and correctly records partial payments
- Provides reconciliation of cancelled checks

Features include:

- Automatic calculation of discount and due dates when invoice entered into system
- Separate terms may be maintained for each vendor
- Unlimited expense distribution and balancing to ensure accuracy
- Cash requirements reporting prior to issuance of checks
- Payment of invoice may be withheld, or partial payments made
- One check issued per vendor; may include many invoices
- Payments may be made directly to a factor
- Remittance advice attached to each check
- Check print restart procedure
- Check reconciliation provided
- Automatic reinstatement of invoices if check is cancelled
- Provision to override any computer calculated action
- Record of discounts lost
- Statistics provided on invoices due, but not paid
- Aging of active invoices

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system
- Recommended minimum set of memory — 64K
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 64 (UFAS)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (CB98) Financial Management System (AL70) Handbook (CE99)

**SHIPPING MEDIUM:** VOLSAVE (ACF0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**SERIES 60 LEVEL 64  
ACCOUNTS PAYABLE ONLINE**

**HDA**

**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Payable online system can be used in manufacturing, distribution, banking, government, and medical environments, service bureaus, retail business and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

The Honeywell Series 60 Level 64 Accounts Payable Online System maintains an accurate record of users' obligations for the purchase of materials and services on credit. It is designed to increase profit by maximizing available discounts through timely and accurate payments. The system's many outstanding features enable you to get the most out of your working capital.

- Keeps users informed of future payment requirements through both short and long-term cash forecasting
- Maintains complete statistics on the volume of business done with each vendor, providing you with valuable information when negotiating price breaks
- Automatically calculates discounts and due dates, yet allows users to override the calculation when necessary
- Includes expense distribution to an unlimited number of ledger accounts and permits partial payments and last minute changes in the date of payment
- Maintains an accurate record of outstanding liabilities and provides sufficient detail to maximize discounts
- Make positive identification of invoices paid with each draft
- Provides accurate and unlimited expense distribution
- Permits and correctly records partial payments
- Provides reconciliation of cancelled checks

Because the system is online there is interaction between terminal operator and the system. Invoices are updated immediately. Instant display is provided of invoices, supporting data for checks issued and vendor information. Audit trails are provided for all transactions entered.

Features include:

- Automatic calculation of discount and due dates when invoice entered into system
- Separate terms may be maintained for each vendor
- Unlimited expense distribution and balancing to ensure accuracy
- Cash requirements reporting prior to issuance of checks
- Payment of invoice may be withheld, or partial payments made
- One check issued per vendor; may include many invoices
- Payments may be made directly to factor
- Remittance advice attached to each check
- Check print restart procedure
- Check reconciliation provided
- Automatic reinstatement of invoices if check is cancelled
- Provision to override any computer calculated action
- Record of discounts lost
- Statistics provided on invoices due, but not paid
- Aging of active invoices

Online features include:

- Alpha inquiry to obtain vendor number
- Terminal entry of vouched invoices
- System automatically calculates:
  - Discount and discount date
  - Net due date
  - Terminal operator has override capability
- Terminal entry of prepaid invoices
- Instant display of specific invoice
- Display of all open invoices for specific vendor
  - Detailed invoice data shown

- Terminal entry of audit control figures
  - System balancing of data messages ensure accuracy
- Management decisions regarding payment of invoices are entered via terminal
- Check reconciliation data entered via terminal
- Instant display of supporting data for any check issued
- Other vendor information instantly displayed
  - Address
  - YTD Purchases
  - YTD Discount Taken
  - Tax and Shipping on Purchases and Returns
  - Prior Year Purchases
  - Vendor terms

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system
- Recommended minimum set of memory — 64K
- Two disk devices
- Printer
- Card reader
- CRT

**OPERATING SYSTEM:** GCOS Level 64 (TDS)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure  
Product Brief (CB98)

Financial Management System (AL70)

**SHIPPING MEDIUM:** VOLSAVE (ACF6012)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**SERIES 60 LEVEL 64  
ACCOUNTS RECEIVABLE**

**HDA**

**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Receivable system can be used in manufacturing, distribution, medical (not hospitals), local government, service bureaus, retail business and most of the subindustries listed in this software catalog. This system is fully supported by Honeywell.

The Series 60 Level 64 Accounts Receivable Systems comes with many preprogrammed reports and options. It is a credit-oriented system with comprehensive tracking features to help control your outstanding accounts. And it is a cash management system with time-saving features to clear payments faster on open-item accounts.

- Establishes and maintains an accurate history of your customer billings and remittances
- Provides sufficient detail and audit trails to answer customer inquiries
- Aids the collection activity by highlighting potential problem areas and trends
- Monitors past-due accounts
- Provides management documents

The Series 60 Level 64 Accounts Receivable System operates in either balance forward- or open-item modes.

Features include:

- Open-item and balance-forward processing
- Immediate installation of system; written in COBOL and ready to use

- Special reports record payments and provide current credit information
- Interface with Billing and General Ledger
- Cycling of statements levels the workload
- Self-generation of control figure showing total receivables due

Open-item processing features:

- Authorized terms and discount maintained in each customer's record
- Automatic calculation of discount, last day of discount and net due date for each invoice
- Automatic cash application minimizes clerical effort
- Balances payments, including discounts
- Flags late discounts
- Maintains bill-to, ship-to, or sold-to address for each customer
- Provides automatic write-off of small discrepancies and prepares journal entry

Balance-forward processing features:

- Handles either 30-day or revolving accounts
- Several methods to calculate service charge
- Shows sales as discrete items on current statement and automatically applies standard transaction descriptions to statements
- Uses either due date or sale date as basis for aging

Credit and collection features:

- Immediate flag when customer's credit is exceeded
- Special codes allow Credit and Collection to enter control information
- Aging can be run in backward or forward modes
- Choice of variable periods of aging
- Customer account inquiry provides print out of all information in customer's record
- Credit Balance Report identifies customers with credit balance
- Credit Analysis Report lists customers who are close to or in excess of credit limits

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system
- Recommended minimum set of memory — 64K
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 64 (UFAS)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (CD99)  
Financial Management System (AL70)  
System Handbook (CE94)

**SHIPPING MEDIUM:** VOLSAVE (ACF0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**SERIES 60 LEVEL 64  
ACCOUNTS RECEIVABLE ONLINE**

**HDA**

**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Receivable Online System can be used in manufacturing, distribution, medical (not hospitals), local government, service bureaus, retail business and most of the

sub-industries listed in this software catalog. This system is fully supported by Honeywell.

The Series 60 Level 64 Accounts Receivable Online System comes with many preprogrammed reports and options to increase flexibility. It is a credit-oriented system with comprehensive tracking features to help control your outstanding accounts. And it is a cash management system with time-saving features to clear payments faster on open-item accounts.

- Establishes and maintains an accurate history of your customer billings and remittances
- Provides sufficient detail and audit trails to answer customer inquiries
- Aids the collection activity by highlighting potential problem areas and trends
- Monitors past-due accounts
- Provides management document

The Series 60 Level 64 Accounts Receivable system operates in either balance-forward or open-item modes.

Because the system is online there is interaction between terminal operator and the system. New invoices and payments are updated immediately. Instant display of invoices, check issued information and customer statistical information. Audit trails are provided for all transactions entered.

Features include:

- Open-item and balance-forward processing
- Immediate installation of system; written in COBOL and ready to use
- Special reports record payments and provide current credit information
- Interface with Billing and General Ledger
- Cycling of statements levels the workload
- Self-generation of control figure showing total receivables due

Open-item processing features:

- Authorized terms and discount maintained in each customer's record
- Automatic calculation of discount, last day of discount and net due date for each invoice
- Automatic cash application minimizes clerical effort
- Balances payments, including discounts
- Flags late discounts
- Maintains bill-to, ship-to, or sold-to address for each customer
- Provides automatic write-off of small discrepancies and prepares journal entry

Balance-forward processing features:

- Handles either 30-day or revolving accounts
- Several methods to calculate service charge
- Shows sales as discrete items on current statement and automatically applies standard transaction descriptions to statements
- Uses either due date or sale date as basis for aging

Credit and collection features:

- Immediate flag when customer's credit is exceeded
- Special codes allow Credit and Collection to enter control information
- Aging can be run in backward or forward modes
- Choice of variable periods of aging
- Customer account inquiry provides print-out of all information in customer's record

- Credit Balance Report identifies customers with credit balance
- Credit Analysis Report lists customers who are close to or in excess of credit limits

#### MINIMUM HARDWARE REQUIREMENTS

- Series 60 Level 64 central system
- Recommended minimum set of memory — 64K
- Two disk units
- Printer
- Card reader
- CRT

**OPERATING SYSTEM:** GCOS Level 64 (TDS)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure

Product Brief (CB99)

Financial Management System (AL70)

**SHIPPING MEDIUM:** VOLSAVE (ACF6011)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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#### SERIES 60 LEVEL 64 GENERAL LEDGER

HDA

**DESCRIPTION:** This generalized Honeywell Series 60 General Ledger System can be used in manufacturing, distribution, banking, medical (including hospitals), service bureaus, retail business and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

Honeywell's Series 60 Level 64 General Ledger System accepts only accurate information for processing. It provides a trial balance as a working document when needed and accepts journal entries generated by any of your other accounting systems, thus eliminating human intervention between these systems and general ledger.

You use your present chart of accounts, format your financial statements and specify your own key ratios, but no programming is required.

Balance sheet, operating and income statements can be provided at several operating levels and a level by level budget comparison is also prepared.

Features include:

- Customer uses present chart of accounts and account titles
- Adapts to company's accounting year and periods
- Financial statements can be in exactly the same format as now received by management
- Twelve digit general ledger number
- Six digits of general ledger number provide hierarchy of seven responsibility levels
- Key business ratios specialized to customer requirements
- Impossible to enter invalid account numbers
- Rejects out of balance batches
- Provides printed journals for all entries
- Automatically reverses month-end accruals when necessary and permits entries to be made for future months
- Prints both detailed and summarized ledgers



- Provides budget capability and comparison to actual for both current month and year-to-date
- Budget figures may be changed at will
- Permits retroactive changes to previous accounting periods

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system
- Recommended working set of memory — 64K
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 64 (UFAS)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (CC01)  
Financial Management Systems (AL70)  
Systems Handbook (CD09)

**SHIPPING MEDIUM:** VOLSAVE (ACF0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**SERIES 60 LEVEL 64**

**PAYROLL**

**HDA**

**DESCRIPTION:** This generalized Honeywell Series 60 Payroll System can be used in manufacturing, distribution, banking, government, medical (including hospitals), service bureaus, retail business and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

The Honeywell Series 60 Level 64 Payroll System handles a wide range of business situations.

If effectively removes a major limitation in conventional payroll systems: voluntary deductions. The Honeywell system truly personalizes the payroll by processing a large number of voluntary deductions for each employee and systematically providing the accounting and reporting necessary to support these deductions. It also efficiently handles multiple forms of compensation (hourly, salary, bonus, commission, etc.) and pay cycles (weekly, biweekly, semimonthly and monthly). Payroll tax updating has been simplified and no programming is required to get tax changes into the system.

The System computes gross pay using several compensation methods; it maintains, calculates and deducts federal and state taxes and voluntary deductions and prepares accurate payroll checks. Several rates can be used in calculation of pay for each employee and payroll costs can be distributed to an unlimited number of cost centers. Government payroll tax requirements are met and an improved design of tax deduction algorithms is provided for easy maintenance. Each employee can have an unlimited number of deductions and several pay frequencies are provided. Check reconciliation is included with this system.

Features include:

- Each deduction can contain maximum or balance limit
- Numerous deduction cycles and methods of calculation included
- Priorities can be set for deductions
- Untaken deductions are listed and optionally may automatically be deducted at a later date

- Provides for tax free deductions and special onetime deductions
- Deductions may be overridden at any time
- Application of deductions provided as specified by user e.g., bonds, stock
- Calculates federal and state taxes
- Computes company tax liability for disability fund and state and federal unemployment insurance
- System architecture permits addition of local taxes
- Employee may work in several states; separate tax record provided for each state
- New tax update system eliminated programming to maintain tax changes
- Payroll distribution (expense) automatically enters general ledger
- Labor Distribution Report shows wage expense and hours for each employee, distributed to many cost centers or projects
- Facilitates tighter control of payroll expense Weekly, biweekly, semimonthly, monthly pay cycles included; other cycles can easily be added by user
- Identify up to 14 different earnings types and accumulates hours (units) for 7 of them
- Basic data available for job costing
- Allows multiple pay rates per employee
- Amount may be added to base amount in employee master file
- Recognizes and incorporates shift differential
- Computes overtime
- Processes advances and cash payments
- No time cards required for salaried employees
- Allows 16 voluntary deductions per employee
- Company permitted up to 99 different voluntary deduction types

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system
- Recommended working set of memory — 64K
- Printer
- Card reader
- Two disk units

**OPERATING SYSTEM:** GCOS Level 64 (UFAS)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (CC02)  
Financial Management System (AL70)  
System Handbook (CC66)

**SHIPPING MEDIUM:** VOLSAVE (ACF0004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Payroll Tax Maintenance (ACF6004) should be ordered with this system.

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**ACCOUNTS PAYABLE SYSTEM**

**ARI**

**DESCRIPTION:** The system can verify that a purchase order was issued and goods were received before accepting an invoice for payment. It will also match invoice price to ordered price, calculate price variance, and reject invoices with variances outside of specified limits. Discounts and optimum payment dates are calculated automatically. Variable check sorting allows use of signing/stuffing machines to facilitate processing of checks. An extensive interface to general ledger is included, to account for: payables, checks paid, price variance, goods in transit, and goods received but not invoiced. Report writers, which

allow the user to control content, frequency and sequence of reports, help reduce audit and research time. The system has been designed to operate in medium- to large-sized organizations and will accommodate multiple separate companies or multiple divisions within a single corporation.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of memory
- One disk

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Comes with complete documentation, user training, and installation support.

**I.D. NUMBER:** 401 0559

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**FIXED ASSET ACCOUNTING SYSTEM** **ARI**

**DESCRIPTION:** This multicompany system satisfies all IRS and SEC requirements. Its features include: corporate and tax books, ITC calculation and recapture, gain/loss calculations, insurance, depreciation projection, partial transfer and retirement. It has flexibility in sequence and content of reports. The system design leads to simple operation.

Optional modules can be purchased separately, and include: Asset Depreciation Range, full SEC Replacement Cost accounting, flexible Special Report Writer, extended General Ledger Interface module, and Optional Report Group including CIP, leased assets, and asset maintenance.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of user memory
- One disk

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation, extensive documentation, and one-year warranty provided.

**I.D. NUMBER:** 401 0556

**ENGINEERING/TECHNICAL**

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**ENVIRONMENTAL INFORMATION** **ARI**

**DESCRIPTION:** The Environmental Data Management Information System has been specifically designed for scalar variables and vector quantities that are functions of space and time or transformations thereof. Typical examples are scalar fields such as temperature, where  $T = T(x,y,z,t)$  or vector fields such as wind velocity, where  $V = V(O,o,p,t)$ . Creation and retrieval of the data utilizes the space and time arguments, hence the inherent low costs of processing and storage when dealing with environmental data. Organization of the data is hierarchical, with a variable number of sectors and segments. Coupled with optimum search algorithms, this organization provides load and retrieval of multilevel records at very small operating costs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 150K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL, FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISION:** Maintenance option available

**I.D. NUMBER:** 404 0678

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**FLUID ANALYSIS** **ARI**

**DESCRIPTION:** The Fluid Analysis Program is a comprehensive Fluid Dynamics program. It solves steady, one dimensional, incompressible flow equations for either single conduit or network problems. It has a simple input format, automatic units conversion and selects the proper equations to be used.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 32K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 404 0670

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**REGRESSION ANALYSIS** **ARI**

**DESCRIPTION:** The program performs the least squares models:  $x$  vs  $y$ ,  $\log x$  vs  $y$ ,  $x$  vs  $\log y$ ,  $\log x$  vs  $\log y$ , in any log model.

The user may optionally rectify  $\log x$  or  $\log y$  with the convergence term and tolerance input. The program also gives the usual statistics such as correlation coefficient, goodness of fit ( $r$ ), and standard development of regression.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 4 04 0666

## MANAGEMENT SCIENCE

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### PREVENTIVE MAINTENANCE

ARI

**DESCRIPTION:** This Preventive Maintenance Management System is designed to achieve important business objectives such as reduced unscheduled down time, unplanned capital expenditures, overtime costs, accidents, and production losses.

After the establishment of a data base of the known workload, maintenance procedures are set up for each activity to be performed on a regular basis. It contains the specific location of the job, a job description, an assigned resource, a frequency interval of performance, a priority indicator, and a job time.

The application programs are designed to encourage sound administrative practices. No knowledge of computers is required; a menu-picking method makes it possible for nontechnical personnel to use the program.

Support is available in the form of consultations, instruction sessions, and seminars.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 200/2000 central system with 96K of memory
- Two disks
- Tape (optional)
- Terminals for communications (optional)

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** ANSCOBOL

**DOCUMENTATION:** Guidebook with exhibits and six manuals

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Training, periodic onsite visits, full support included

**I.D. NUMBER:** 5 02 0691

## MFG.-FABRICATION/TRANSPORTATION EQUIPMENT

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### BILLS OF MATERIAL

ARI

**DESCRIPTION:** The Bills of Material is a complete system for manufacturing control. The system performs explosion in time series and nets inventory.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Five tape units
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Documentation and forms supplied.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0141

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### DSS MANUF

ARI

**DESCRIPTION:** The system maintains raw materials and subassemblies as a product of final assemblies. Time requirements are broken into 40 categories and are maintained by subassemblies. The user prepares simple input of job number, finished product number(s), quantity, and year and week of assembly. The system will output all material and labor time required for the year and week(s).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Two disks (172 type)
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option on per hour basis.

**I.D. NUMBER:** 5 11 0209

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### FIXED ASSETS

ARI

**DESCRIPTION:** This system is designed for use in a small to medium company environment. Depreciation is calculated straight line and double declining — 200% or double declining 150%. Reports profit or loss from disposition of assets and maintains a disposition file. System is presently run for six divisions but can accommodate up to 99. The entire system or parts thereof can be run on request for any of the divisions.

Reports include projected depreciation, acquisitions within any given period, dispositions within any given period, straight line depreciation — current year double declining — current year. Reports any changes made to the Fixed Assets master file and disposition file including name of field changed original entry and new entry. A one page report is printed for each new asset (file copy) indicating all the information for that asset (original cost,

salvage value, Depreciation method, Depreciable amount, Life, Depreciation amount, reserve and net book value for each year of the Assets Life).

Processing of system will calculate Investment Credit and Salvage Value. Conversion Program is available to have existing input converted to Fixed Asset System Format.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- One disk (172)
- Two tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sample reports available

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 5 11 0433

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### FIXED ASSET DEPRECIATION

ARI

**DESCRIPTION:** The system depreciates an asset in any given interval for both book and tax applications. Add, change, delete or transfer any asset on the master file. The depreciation expense is done programmatically with the capability of flagging an asset when the method of depreciation is no longer practical. A book and tax expense report is available by tag number or by class within location.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Two disks
- Reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Complete user documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0019

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### GOVERNMENT SMALL BUSINESS REPORTING

ARI

**DESCRIPTION:** This system provides, on an automated basis, all the information needed to complete the Subcontracting Statistical Report, SBA form 745. In addition, workload breakdowns by buyer and vendor are provided monthly including year-to-date totals. Source input is a preprinted card completed by the buyer when the purchase order is written.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 48K of memory
- Four tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0318

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**PREVENTIVE MAINTENANCE** **ARI**

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**DESCRIPTION:** On a weekly basis and on a preestablished maintenance interval basis, this automated system generates Preventive Maintenance Work Order card(s) for equipment requiring maintenance.

The card indicates the location of the equipment, the number and description of the item, the type of maintenance required, and the specific Preventive Maintenance manual in which the detailed maintenance instructions appear. This card is used by tradesman to record performed maintenance and the time expended.

The work order cards are then input to the system to provide the data for the performance reports generated on a weekly, monthly, and annual basis.

Each item of equipment requiring maintenance is established on a master file consisting of header data (basic machine information such as equipment identification, description, year built, serial number, etc.) and trailer information which identifies the specific maintenance requirements. Each item on file may have up to ten individual trailers coded to identify specific trades such as electrical, air conditioning, and plumbing. The maintenance requirements or instructions are related to the coded trades and are printed on the weekly maintenance work orders.

The weekly maintenance activity report employs a special coding technique to indicate whether or not maintenance has been performed and, if it was performed within the time allocated. This report also summarizes the total hours expended to perform the maintenance function versus the estimated hours.

The other reports provided by the system are as follows:

- Monthly summary of preventive maintenance activity
- A monthly workload projection report by maintenance trade
- A quarterly summary of preventive maintenance activity
- An annual summary which reflects a full year's maintenance activity by type of maintenance and the week within each month it was performed

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 65K of memory
- Three tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0328

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**PRODUCTION PLANNING INVENTORY CONTROL SYSTEM** **ARI**

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**DESCRIPTION:** The Production Planning Inventory Control System (PPICS) uses advanced mathematical programming procedures to minimize production costs, reduce planning time, prevent shortages, analyze possible dis-

turbances, plan expansion, minimize changes in work shifts, provide alternate plans, determine optimum inventory and free personnel to work on other problems.

PPICS is capable of operating in a single or multi-plant environment with combinations of items and production facilities. It can be applied to continuous and intermittent production processes. Short, intermediate and long range planning are possible. Planning can be done in any increment of time such as shifts, days, weeks or months. The user can alter the characteristics of the system without reprogramming.

PPICS was designed to handle a wide range of situations and to zero in on specific problems. The system evaluates the performance of plans. Plans can be adjusted to reflect changes in forecast and other factors. Multiple objectives can be planned for and emphasis can be shifted from one objective to another. Inventory planning is integrated with production planning. Finite and infinite capacity planning are available.

The modular design allows the addition of new planning procedures. The system has stand alone capability and is easily interfaced with other systems. Changes in strategy, requirements and input data will not impact the system. It has the critical ability to respond to change. PPICS will prevent many problems from occurring, thus eliminating the need for many solutions. Optimization, speed and flexibility are the basis of the system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of memory
- Card reader
- Printer
- Disk drive  
(Smaller version available in 32K)

**OPERATING SYSTEM:** Not restricted to any particular operating system

**PROGRAMMING LANGUAGE:** ANSI COBOL

**DOCUMENTATION:** Detailed including user manual, operator manual, data forms, sample reports, flowcharts, collection of examples and applications

**SHIPPING MEDIUM:** Tape/source code maintained in escrow will install for customer interface or stand-alone trial usage/warranty/available via RJE

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**SPECIFIC PROVISIONS:** Orientation seminars included as well as installation. Modular construction, many options. Graphics uses regular line printer. Free form report generator and system monitor.

**I.D. NUMBER:** 4 11 0525

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**PRODUCTION SCHEDULING & CONTROL** **HDA**

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**DESCRIPTION:** The Production Scheduling and Control package (PSC/2000) is a set of COBOL written programs designed to schedule, load, release and monitor the production in a shop environment, both on entire order and discrete operation levels.

The infinite subsystem offers capabilities as:

- Creation and maintenance of production files: routings, work centers and work-in-process
- Work-in-process scheduling and loading to infinite work center capacity

- Operation splitting and overlapping options
- Production control reporting including advanced feedback features

The finite subsystem offers additional capabilities such as:

- Shop throughput optimization by planned workload smoothing and realistic dates assignment
- Per-machine operation sequencing, considering limited capacity, using dynamic queuing techniques and alternate work centers

The package is designed to stand alone or to be integrated, through inherent interfaces, with other Honeywell manufacturing packages, i.e., Series 2000 Inventory Management System.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 or Series 60 Level 64 central system with 49K of memory
- Two disk pack drives
- Card reader
- Card punch (optional)
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR) and OS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AP26)

Sales Brochure (AP28)

Summary Description (AP73)

System Handbook (AP77)

**SHIPPING MEDIUM:** MSPLF Tapes

Series 200/2000

Infinite (APM0001)

Finite (APM0002)

Series 60 Level 64 (Compatibility Mode)

Infinite (ADM0003)

Finite (ADM0004)

Demo Discopy (available without a contract) (A0930)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**PURCHASING**

**ARI**

**DESCRIPTION:** This application consists of 19 programs. Requires six files: vendor master, item master, open item P/O, sequential P/O, and two statistics. This system at present is not tied in with accounts payable. Performs the following functions:

- Updates item master
- Prints purchase item list showing three last purchase transactions
- Edits P/O input and creates seq-purchase file
- Prints rejected P/O
- Updates open P/O file
- Performs back order cycle
- Prints purchase orders, daily receiving reports, and daily transaction register
- Expediting report has two options — over due items and one day warning
- Updates goods received and cancellations
- Month-end — purchases by vendor, by item, removes relieved purchase orders, and extends available P/O numbers on file

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 28K of memory
- Three disks (273)
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING INFORMATION:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0362

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**TOOLING/CAPITAL CONTROL**

**ARI**

**DESCRIPTION:** The Tooling/Capital Control System is designed to provide a single standardized system for the authorizing, ordering, cost tracking, accountability, and disposition of special purpose items funded as tooling on divisional contracts and company assets funded as capital. It also provides the official property record of special purpose tooling, test equipment, gauges, and capital assets consisting of machine tools, test equipment, and computer equipment. The system provides for three distinct central functions:

- Control of funding for tooling items on contracts and capital assets
- Control of the entire acquisition process when tools or capital assets are built in-house or purchased from vendors
- Control of tools and capital asset location and accountability once these items are in divisional inventory

The data contained on the Tooling/Capital Control System data base files are used to provide information on tool and capital asset availability cost and accountability for bidding and costing contracts, and for project cost control. In addition, the system is designed to analyze daily the status of each tool or capital order and provide notice of activity and delinquency to production, property control, and procurement.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 100K of memory
- Three disks (278 type)
- Four drives
- Printer
- Card reader

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Extensive on request.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0279

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**INVENTORY MANAGEMENT SYSTEM EXTENDED**

**HDA**

**DESCRIPTION:** This package consists of a set of pre-coded COBOL programs that manage the materials and resource inventory of a manufacturing business by planning, reporting and controlling the replenishment plans at all levels of the product structure. It provides satisfactory customer delivery performance while optimizing the investment in raw, inprocess and finished goods.

The system consists of four subsystems:

- Inventory Reporting/Bill of Material — provides material item and product structure maintenance and offers a wide range of reporting capabilities, which include material profile, multilevel parts list, where used reports, etc.
- Material Requirements Planning — provides requirements and reporting capabilities. Reports include order/demand status reporting, order release and expedite reporting, etc.
- Standard Cost Control — provides multilevel cost maintenance and reporting. Reports include cost implosion, cost analysis, etc.
- Online Inventory Management

The Online Inventory Management Subsystem provides the following:

- Online Inquiry — the data base, material item, bill of material, and demand/order can be utilized by the online system. This subsystem is interactive with TDS on the Level 64. With this transactional capability, direct access can be made to the data base. By supplying the code of an item, an immediate access to material data such as cost, date, orders and demand for material item, parts breakdown, where used lists, and multilevel cost breakdown date.
- Date Collection — all updates can be entered from the terminal and edited. Error corrections can immediately be made from the terminal. The valid transaction can then be stored for later batch processing.
- Online Update — all updates can be entered from a terminal and edited. If an error is detected, the display message can automatically position the cursor on the terminal screen beneath the field error. This field can then be corrected and updated on the data base.

The system in its entirety performs the following functions:

- Builds and maintains a central Bill of Material file
- Accepts gross requirements at any product structure level
- According to the user's parameters and item types, makes a plan to satisfy gross requirements by computing time phase net requirements — supply orders — for production and purchasing
- Explodes net requirements through the product structure to determine components requirements
- Controls the release and monitors the status of supply orders
- Reacts to changes in materials requirements and inventory status by reviewing their replenishment plan (net change material requirement planning)
- Allows the user to simulate the effects of any cost change and to update standard costs of assemblies and end products by cost implosion
- Provides exception processing and reporting
- Provides rescheduling functionality

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief AU96

Sales Brochure (AK74)

Summary Description (AS01)

**SHIPPING MEDIUM:** Tape VOLSAVE (ACM0020)

Inventory Reporting/Bill of Material (ACM0010)

Material Requirements/Resource Inventory Planning (ACM0011)

Standard Cost Control (ACM0012)

comprehensive Package (ACM0001) includes (ACM0010, ACM0011, ACM0012)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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#### **SERIES 60 LEVEL 64**

#### **PRODUCTION SCHEDULING AND CONTROL — INFINITE**

**HDA**

**DESCRIPTION:** The Production Scheduling and Control package is a set of COBOL programs that schedule, load, release and monitor the production in a shop environment, both on entire order and discrete operation levels.

The package consists of two subsystems:

- Production Data Management Subsystem — maintains work centers and routing data that describes the production resources and process.
- Capacity Requirements Planning/Production Control Reporting — schedules all operations for orders and creates, maintains and processes feedback on work-in-process data. The reporting function also monitors all phases of shop performance.

The system offers capabilities as:

- Creation and maintenance of production data base comprised of routings, work centers and work-in-process data.
- Work-in-process scheduling and loading to infinite work-center capacity.
- Lot splitting and overlapping options.
- Production control reporting, including advanced feedback features.

The package is designed to stand alone or to be integrated, through user interfaces, with other Honeywell manufacturing packages, as Series 64 Inventory Management System.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system
- Recommended working set of memory — 64K
- Two disk devices
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 64 (UFAS)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AU95)

Sales Brochure (AP28)

Summary Description (AS01)

**SHIPPING MEDIUM:** Tape (VOLSAVE) (ACM0020)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

## MFG.-PRIMARY METALS/PETRO CHEMICALS

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### ONLINE ORDER PROCESSING

ARI

**DESCRIPTION:** Using a remote Model 1648 via teletype terminals, data is entered into the system through conversational mode and validated at point of entry. Invoices and credits are printed with production and finished goods movement recorded. Inventories are updated and sales reporting is available the next working day.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Two disks (172 type)
- Four tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 14 0239

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### INTEGRATED ACCOUNTING

ARI

**DESCRIPTION:** This is an integrated system designed for the single or multi-company oil producers. It can operate in batch or online mode and has seven subsystems:

- Journal Entry
- General Ledger
- Revenue Distribution
- Joint Interest Billing
- Vendor Accounts Payable
- Undeveloped Lease
- Asset and Information Reporting

Each system installation is preceded by a comprehensive planning schedule to identify company specific accounting and reporting needs. Also, before delivery, the system is tailored for journal entry format(s), property ledger format, system check formats, A/R statements, DD&A calculations, subsystem interfaces, production reports, reserve calculations, lifting cost reports, payout status reports, investment tax credits, and other user reports.

Benefits to the user included reduced operating costs, access to data, accounting flexibility, total user control, and shorter month-end and year-end closing.

All subsystems are integrated with one another and sub-ledger data is automatically tied to the General Ledger.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 40K of memory
- Real-time clock
- Printer or output device
- Card reader, tape, or CRT input device
- Online disk storage
- Backup device

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Tape or disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Provided at no additional cost are user and system documentation, system installation and testing, user education, comprehensive pre-installation planning and system tailoring, 180 hours of programming to tailor specific management reports, and a one-year warranty.

**I.D. NUMBER:** 4 14 0657



## MFG.-DRY GOODS

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### JOB ACCOUNTING

ARI

**DESCRIPTION:** The System is a modification of Honeywell's LOGMP. It has the same features with the following additions. It creates a year-to-date tape, by-passes the printing of input reader jobs, and further reduces the size of the printout by cutting down on spacing. The system also:

- Creates a graph (optional) showing partition usage in 5-minute increments.
- Shows tape and core usage, in total time, by shifts.
- Shows total SPR lines created by shift.
- Prints a partition usage report showing total time used, utilization percentage, average number of partitions in use, elapsed operator response time, number of jobs run, number of UEJs, and total UEJ time.
- Creates a department usage report showing, by job account code within department and company, the following, for all jobs except those that went to a UEJ and just those that went to a UEJ: date to run. SIU, SPU, and SPR records with a low, high, and average for the SPR. Also the CPU and elapsed time, with the low, high, and average.
- Gives, at the end, company totals for the month followed by a recap showing CPU elapsed time and department percentages.
- Produces a daily compile and test report showing by job name the number of tests and compiles and actual program run time versus elapsed time.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 200/2000 central system with 44K of memory
- Disk (type 273/277)
- Three tapes
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 16 0276

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### ORDER ALLOCATIONS

ARI

**DESCRIPTION:** This is a complete apparel management system from order entry to complete stock allocation of orders versus stock on-hand in delivery date sequence, taking into consideration rules and priorities, coordinated groups, new store openings and orders.

System provides complete customer service reports, sales reports and production planning reports.

Work-in-process reports monitor lots from authorization into stock entry highlighting operation delays.

Gives weekly/monthly management reports for sales, production, shipping, customer service and top management for overall review and performance evaluation.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 200/2000 central system with 96K memory
- Three disks
- Three tapes
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Available in full for entire system.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Time and service provided. All improvements at cost.

**I.D. NUMBER:** 5 16 0140

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### DATA ENTRY PRODUCTION ANALYSIS

ARI

**DESCRIPTION:** This program gives vital production statistics by operator, job, day, and function. It gives a management overview of data entry performance with daily, weekly, and monthly totals.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 200 central system (Model 20) with 16K of memory
- One tape (204B)
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** ANSICOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 16 0326

**ACCOUNTS PAYABLE** **ARI**

**DESCRIPTION:** The system gives the voucher register, preliminary payment list, checks, check register, A/P by due date and vendor, A/P distribution.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Will be supplied.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 5 18 0190

**ACCOUNTS RECEIVABLE** **ARI**

**DESCRIPTION:** This system supplies the daily cash book, daily activity, weekly list, statements, aging report, customer booking showing payment history.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Will be supplied.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available/negotiable.

**I.D. NUMBER:** 5 18 0191

**GENERAL LEDGER** **ARI**

**DESCRIPTION:** This system produces monthly and year-to-date detailed expense statements by department and section and year-to-date expense accounts. It has all maintenance programs, input forms and original master file creation programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Will be provided.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 18 0103

**DAILY WAGE PAYROLL** **ARI**

**DESCRIPTION:** The system handles a complex daily wage or piecework payroll. It processes (daily) the wages due a worker and summarizes his weekly payroll with all deductions to arrive at a weekly payroll figure. The programs in the system do all calculations for overtime, benefit pay, etc. and ultimately feed into a year-to-date trail which prepares all government reports and W-2s.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system
- Storage devices
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 23 0277

**SUBSCRIPTION FULFILLMENT** **ARI**

**DESCRIPTION:** The Subscription Fulfillment System prepares:

- Mailing labels
- Renewal notices
- Invoices
- List rental labels
- Registers (current subscribers, donor/gift, history, etc.)
- Reports (by source code, payment by invoice, etc.)

The file contains subscriber's name and address, various codes, ID numbers, dates and amounts, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Disk
- Three tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Complete program specifications, flow charts, operating instructions

**SHIPPING MEDIUM:** Disk copy tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 23 0149

## RETAIL TRADE

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### ACCOUNTS PAYABLE ARI

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**DESCRIPTION:** Prints checks and collects pre-written checks. Check register of run cycle. Check history retainable indefinitely. Vendor listing and maintenance. Automatic distribution reporting to General Ledger.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks
- Two tapes
- Reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 31 0117

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** Provides statement writing with the following reports:

- Trial Balance
- Open to Buy
- Collection Letters
- Collection Cards
- Recap of Accounts
- Statement to Customer (14 programs)

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks
- Card reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 31 0104

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** Performs whole task edit and balance, sales journals, product analysis, cash receipt, aging, invoicing, statements, credit reminder notices and letters, budget calculations and year-to-date history.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Two disks
- Printer
- Card reader

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 31 0020

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** This balance forward system uniquely controls sold — yet not delivered — sales integrated into a daily trial balance report. Customer's current balance is maintained for customer service on a daily basis. Current balance information including detailed report and/or microfiche history eliminates costly filing systems and paper-work storage systems. Complete detailed customer information is retained including name and address, credit status, etc. Aging report with delinquency controls and details is available for revolving charge system as well as daily sales and cancellation analysis. Optional direct entry cash register papertape to computer system is also available. Check digit on account number is included to ensure accuracy.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks
- Two tapes
- Reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 31 0116

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### CUSTOMER SERVICE ARI

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**DESCRIPTION:** Retains and reports all calls by each customer and breaks down costs by: vendor, driver, warehouse, manufacturer defects, department. Complete history is retained for cost analysis and customer service information.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks
- Two tapes
- Reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 31 0120

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### DEGREE DAY ACCOUNTING ARI

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**DESCRIPTION:** This system provides complete Degree Day Accounting, including editing, updating projections, exception reports, K factor updating, print delivery tickets, truck and driver analysis, truck routing, and possible runoff report.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Two disks
- Printer
- Card reader

**OPERATING SYSTEM:** DOS  
**PROGRAMMING LANGUAGE:** COBOL  
**SHIPPING MEDIUM:** Cards  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 5 31 0021

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**DSS FURN** **ARI**

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**DESCRIPTION:** This is a complete system for large or small retail furniture stores. It includes:

- Inventory control with bin locations and customer reserves
- Daily sales analysis by store, department, and salesman
- Monthly sales analysis
- Buyers' reporting with history and computed projections
- Salesmen's commissions
- Purchasing orders and price tags
- Accounts receivable, accounts payable and general ledger

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Two disks (172 type)
- Four tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option on per hour basis.

**I.D. NUMBER:** 5 31 0210

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**GENERAL LEDGER** **ARI**

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**DESCRIPTION:** Detailed listings of all journals, account master file maintenance and reporting, general ledger account net change report, profit and loss statement and balance sheet report. This system is intended for a company with multistore and/or one store environment.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks
- Two tapes
- Reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 31 0119

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**INVENTORY** **ARI**

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**DESCRIPTION:** A 98% to 100% efficiency rate eliminates expenses of an annual physical inventory. The system has a built-in physical inventory feature with audit trails. It controls all inventory including a carpet control system and provides daily, weekly, monthly and annual reporting with comparisons of previous years.

Typical reports include:

- Locator system for warehousing and display
- Automatic reorder purchasing available
- Aging of merchandise for better turns
- Automatic scheduling of incoming special customer order
- Current sales analysis with comparisons of previous year

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks
- Two tapes
- Reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 31 0115

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**PAYROLL** **ARI**

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**DESCRIPTION:** This Payroll System provides a payroll journal by department, payroll checks, time cards, history maintenance and quarterly reporting. Annual reporting including W-2 and 941 forms as well as other miscellaneous reporting.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks
- Two tapes
- Reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 31 0118

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**SHOE AND BOUTIQUE STOCK BOOK** **ARI**

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**DESCRIPTION:** Weekly stock book by units for 20 stores. Boutique stock book by size within each store. Each book shows sales this week, sales this month, current on hand, receipts and orders. (Five Programs)

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks
- Card reader/punch
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)**PROGRAMMING LANGUAGE:** COBOL-C**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 31 0105**ACCOUNTS RECEIVABLE  
(RETAIL CLOTHING)****ARI**

**DESCRIPTION:** This system was initially developed for a branch retail clothing store, of a national clothing industry, based in Chicago. The system consists of seven ANS COBOL structured programs: Sort Key-Punch File Maintenance, File Maintenance/Error Extract, Proof Details, Unbilled Transaction Report, Statements, Aged Trial Balance, Account History List. Some dynamic features of this Accounts Receivable System include: Check digit input, cycle billing, minimum payment calculation, finance charges, year-to-date finance charge, special codes, and type accounts.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 Model 1250 central system with 32K of memory
- Five tapes (204-B)
- Printer

**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 31 0610**TOTAL RETAIL INFORMATION****ARI**

**DESCRIPTION:** The Total Retail Information Management System is an integrated package of systems to serve all reporting requirements of the multiple-store retail environment. Designed for POS Input (but not limited to POS) the reporting requirements are interconnected to achieve a balanced group of modules which are easily audited.

An Accounts Receivable Module allows for custom features and provides options such as delayed Christmas billing and average balance finance charge. Produced are weekly credit authorization reports (on microfiche, if desired) or files for online access. Specialized reporting on delinquents and accounts exceeding credit limits is provided with thorough reference information, including credit notes. A modern customer statement is an itemized detail of each purchase with provision for a four-line address, automatic dunning notices and sales promotion messages. Standard month-end aging and status reports are included.

Merchandise Reporting begins with an Inventory Management Report which compares individual stores and gives overall results by class, department and group showing calculated Inventory Costs, Margins, and Stock Turns. Actual Unit Inventory and Sales broken down into units sold at markdown and regular price is included. Detailed Item Inventories as well as Weekly Sales Analysis by item and vendor within each class are optional to specific departments as desired. The Merchandise Plan compares

the most recent month to the plan, pinpoints variations, and adjusts open-to-buy for future months automatically. Projections are shown up to twelve months ahead along with orders already placed and remaining open-to-buy after computer adjustments.

Historical data is stored and selected for a season status report which presents the inventory and sales statistics from last year and then shows season progression as this year's figures become available.

Salesperson productivity and commission reports are produced on a specified frequency to meet individual reporting needs.

Accounts Payable is a flexible, user-defined package which controls computer generated checks by due-date and a turnaround release method. Included is total itemized accounting for invoices open, invoices paid, debit and credit memos and manually-prepared checks. Year-to-date vendor history is automatically accumulated for periodic reporting at any frequency.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 Model 2020 central system with 32K of memory
- Disk
- Three tapes
- Printer

**OPERATING SYSTEM:** Mod 1 MSR**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Comprehensive documentation and installation assistance available**I.D. NUMBER:** 5 31 0679

**ACCOUNTS RECEIVABLE** **ARI**

**DESCRIPTION:** This system utilizes 80-column card or Keytape input to process accounts receivables and produce a balance-forward type statement for many businesses. This package has been in operation for over five years in the retail clothing, wholesale and retail auto parts, wholesale and retail office supplies businesses and also in a golf and country club. It can accommodate the small retailer right up to the major wholesaler with numerous outlets and salesmen. Comprehensive reports from the system include customer name and address mailing labels, aging account report, past due notices, monthly sales recap, customer sales by salesman, customer sales by location and accounts receivable statements.

This is a complete, ready-to-install package that will have any operation up and running almost immediately.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One discopy tape (source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0111

**DSS DIST** **ARI**

**DESCRIPTION:** This is complete system for any wholesaler providing:

- Invoicing and accounts receivable
- Salesmen's commission and miscellaneous reporting
- Complete inventory control and reporting

Price tags from invoicing are produced for stores with each store's requirements. History of all merchandise sold to all accounts is maintained for various reporting.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Two disks (172 type)
- Two tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option on per hour basis.

**I.D. NUMBER:** 5 32 0211

**INVENTORY** **ARI**

**DESCRIPTION:** The Inventory System is a ready-to-install automotive parts accounts receivable and inventory control package. The package uses the standard 80-column card or optional Keytape as input. All records are edited, validated, analyzed and merged daily. From this beginning a multitude of reports is available which include: customer accounts receivable statements, past due letters, customer name and address mailing labels, stock status, inventory analysis, nonmoving item report, profit by store, profit by customer, sales commissions, profit by vendor, superseded number listing and vendor purchase orders.

This inventory package controls inventory in multiple locations, including warehousing and jobbing outlets, and writes periodic stock replenishment orders for all outlets. The package has been in operation for five years and has definitely reduced inventory in both warehouse and jobbing operations. It has also given management much better control of both receivables and inventory.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One discopy tape (source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0110

**MI-DIS (DOCUMENTATION)** **HDA**

**DESCRIPTION:** MI-DIS is a planning tool, a guideline for the total information requirements of a distributor. MI-DIS is functionally oriented and defines the information needs of a distributor. This easy-to-read documentation provides specific and direct guidelines for a distribution company planning its total information needs. MI-DIS enables a distribution company to better utilize resources, reduce implementation costs and effectively communicate with non-EDP personnel.

**DOCUMENTATION:** Product Brief (AD15)  
Summary Description (AD16)

**SHIPPING MEDIUM:** Documentation only

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**ORDER BILLING/ACCOUNTS RECEIVABLE/  
SALES ANALYSIS SYSTEM** **ARI**

**DESCRIPTION:** The Order Billing, Accounts Receivable System consists of five modules:

- Order Entry — edits, validates input transactions, cancels/adjusts open order and provides dollar value of open orders

- Inventory — updates inventory file, creates and maintains purchase order file, maintains 13 months product usage and uses this history to control minimum/maximum quantity levels of each product. Produces suggested purchase order report based on these minimum/maximum levels; option permits override of suggested purchase order.
- Billing — utilizes nine pricing formulas for maximum pricing flexibility, maintains sales tax authority file, generates picking lists, reports cost and profit information by line item per invoice.
- Accounts Receivable — produces three types of Accounts Receivable Statements: 1) open item, 2) balance forward, 3) aged balance forward, provides payment and credit memo registers and Aged Trial Balance Report.
- Sales Analysis — reports sales/profits by customer, product and salesman comparing current year to last year.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Two disks
- Three tapes
- Printer
- Card reader

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** System flow diagram, abstract program description, program logic narratives, input and output file layouts, operator run instructions

**SHIPPING MEDIUM:** MSPLT

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option on request.

**I.D. NUMBER:** 5 32 0017

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**ORDER ENTRY/BILLING** **ARI**

**DESCRIPTION:** This multicompany online Order Entry and Billing System provides salesmen with customized preprinted order forms, allows order entry and validation through multiple Series 7700 terminals, updates inventory, provides automatic item substitution, picking and packing lists for multiple truck deliveries and automatically routes invoices for delivery. Uses three basic files: customer, inventory and special pricing masters.

The multiple Series 7700 terminal input also allows input of inventory adjustments, miscellaneous billing adjustments, customer shipping addresses, online entry of daily inventory receivings. Two additional terminal programs allow separate inventory master file inquiry and selected updating and customer master file inquiry and updating.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 44K of memory (all programs do not run in 44K)
- Two disks
- Two tapes
- DATANET 2000 FNP
- Eight VIPs
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Systems manual, user manual, general description booklet, program listings, file and documentation layouts

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0047

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**PAYROLL** **ARI**

**DESCRIPTION:** The system handles 20 different pay types (expandable to 40) and 20 different deductions (also expandable to 40). It provides W-2 forms and tax overrides with percent or dollar amounts. Garnishments are included in system. Gives monthly register, monthly garnishment, and loan reports. Handles 99 different companies.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Three disks (172 type)
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Negotiable

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0242

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**PURCHASING** **ARI**

**DESCRIPTION:** This Purchasing System tracks data from the time a requisition is submitted through payment. The program supports preprinted requisition forms, purchase orders, daily purchase order report, with month-to-date budget controls, open order file, "past due" or overdue purchase order receipts, an item transaction report year-to-date accrued accounts payable, disbursements, and receiving department report.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL C

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0241

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**ACCOUNTS RECEIVABLE** **ARI**

**DESCRIPTION:** This system is designed to utilize 80-column card or keytape input to process accounts receivable and produce a balance-forward type statement for many businesses. This package has been in operation for over five years in the retail clothing, wholesale and retail auto parts, wholesale and retail office supplies businesses and also in a golf and country club. It is designed to accommodate the small retailer right up to the major

wholesaler with numerous outlets and numerous salesmen. The comprehensive reporting from the system include customer name and address mailing labels, aging account report, past due notices, monthly sales recap, customer sales by salesman, customer sales by location and accounts receivable statements.

This is a complete, ready-to-install package.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance and lease available.

**I.D. NUMBER:** 4 32 0625

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**INVENTORY (AUTO PARTS)**

**ARI**

**DESCRIPTION:** The inventory system is a ready-to-install automotive parts accounts receivable and inventory control package.

The package uses the standard 80-column card or optional keytape as input. All records are edited, validated, analyzed and merged daily. From this beginning a multitude of reports are available which include customer accounts receivable statements, past due letters, customer name and address mailing labels, stock status, inventory analysis, non-moving item report, profit by store, profit by customer, sales commissions, profit by vendor, superseded number listing, and vendor purchase orders.

This inventory package is designed to control inventory in multiple locations, including warehousing and jobbing outlets, and will write periodic stock replenishment orders for all outlets.

The package has been in operation for five years and has definitely reduced inventory in both warehouse and jobbing operations. It has also given management much better control of both receivables and inventory.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance and lease available. Accounts Receivable portion of package separately priced.

**I.D. NUMBER:** 4 32 0626

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**SERIES 60 LEVEL 64  
SALES ORDER  
PROCESSING SYSTEM**

**HDA**

**DESCRIPTION:** Sales Order Processing is an online system designed in a modular fashion to accept new orders being entered into the system and update existing orders already in the system. In a communications environment, it checks customer credit and determines whether the item is available. Also provided are the reports generally required in any order processing system, and interfaces with other systems required by a distributor. The three modules are Order Entry, Billing and Shipment, and Inventory Accounting.

- Order Entry — accepts new orders and any changes to previous orders, validates them and then allocates them considering substitutions, minimum quantities, partial shipments, or backorders.
- Billing and Shipment — includes the preparation of the warehouse documents of picking and packing lists, and the invoice. Included is also a sales analysis capability, to help management in tracing their customer purchases, managing their salesmen and being aware of how well their products are moving.
- Inventory Accounting — keeps the exact status of each item in the warehouse current for stock availability checks.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system
- Recommended working set of memory — 256K
- Two disk devices
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 64 (TDS)

**PROGRAMMING LANGUAGE:** COBOL-74

**DOCUMENTATION:** Product Brief (CB96)  
Application Brochure (AR73)  
Summary Description (AT82)

**SHIPPING MEDIUM:** Tape (VOLSAVE) (ACD0016)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.



## BANKING

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### BANK MANAGEMENT INFORMATION SYSTEM

### REFERRAL

**DESCRIPTION:** The Bank Management Information System (BMIS) provides the answer to data collection and reporting problems with an online centralized information file capability. BMIS can accommodate any transaction, volume and ensures up-to-date, decision-making data.

The Bank Management Information System is a complete online/real-time and offline/batch banking system that operates on Honeywell Series 200/2000 computers. The system offers:

- Demand Deposit Accounting
- Savings Accounting
- Installment Loan Accounting
- Commercial Loan Accounting
- Certificate of Deposit Accounting
- Mortgage Loans
- General Ledger — Financial Management

With the system's data base approach, information is stored on common files, data collection simplified, and data redundancy reduced.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 200/2000 central system with 131K (dedicated) or 196K (recommended) (multiprogramming) of memory
- Five magnetic tape units
- Three disk pack drives and control with 8-bit transfer
- Communication control
- Interval timer
- Line adapter
- Console
- Printer

**OPERATING SYSTEM:** ACS Operating System

**PROGRAMMING LANGUAGE:** EasyCoder, COBOL

**DOCUMENTATION:** Product Brief (AM67)

Sales Brochure

Systems Manual

BMIS Manual

General Ledger System Manual

(Supplied only to licensed customers who have completed training requirements.)

**SHIPPING MEDIUM:** Binary run tape and Master Source Program Library Tape (supplied to licensed customer only)

**ORDERING PROCEDURE:** Contact Banking Marketing Manager MS 495.

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### DEMAND DEPOSIT ACCOUNTING SYSTEM (TAPE/DISK)

### HDA

**DESCRIPTION:** Honeywell's Demand Deposit Accounting System is an application package that provides single unit and multibranch banks and trust companies with a fast and efficient means of coping with today's rapidly spiraling volume of checking account activity. Utilizing the advanced processing capabilities of the Series 200/2000

computers and direct-access storage devices, the system sorts, processes, posts, and maintains all demand deposit accounting transactions from the initial capture of the MICR-encoded documents by the MICR Entry Program to the final programs that produce a series of comprehensive reports. Honeywell's Demand Deposit Accounting System affords effective control of a bank's most basic operation. By means of the Honeywell COBOL Library Processor, this system can be specialized for three different hardware configurations, a pure disk system, a pure tape system, and a mixed tape and disk system.

Features of the system are:

- Exception condition processing
- Comprehensive reporting
- Modular service-charge routine
- High-speed sorting
- Package posting
- Complete audit trails

Reports generated are:

- Transaction Journal
- DDA Master File Maintenance Journal
- New Account Report
- Closed and Purged Account Reports
- Trial Balance
- Customer Statements
- Exception Reports

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 200/2000 central system with 16K of memory
- Advanced programming and editing instruction features
- Card reader
- Printer
- MICR reader/sorter and control (See description of the MICR Entry program to determine specific devices supported)
- Tape system should include four tape drives and two read/write channels
- Disk system should include three disk units and three read/write channels
- Mixed system should include one disk unit and three tape drives

**OPERATING SYSTEM:** Mod 1 (TR), Mod 1 (MSR), OS/2000/Mod 1 Simulation

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (BJ62)

Application Summary (BJ63)

Handbook (BJ64)

**SHIPPING MEDIUM:** Disk image tape (Discopy) (A0119)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** The MICR Entry program is distributed separately. See description for details and order number. NOTE: This is an unsupported product.

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### INDIVIDUAL RETIREMENT ACCOUNT/KEOGH SYSTEM

### ARI

**DESCRIPTION:** The Individual Retirement Account/Keogh System (IRA/Keogh System) is operational in both service bureau and banking environments. The IRA/Keogh



sending individual 1099s or having passbook or passbook and statement plans. Also handles CDs (with proper penalty reporting), clubs, etc. Its unique features allow banks to tailor systems to its and correspondents reporting needs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system
- Disks
- Card reader
- Printer
- Tape

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Annual maintenance service available. Installation assistance provided.

**I.D. NUMBER:** 4 41 0565

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**MICR ENTRY**

**HDA**

**DESCRIPTION:** The MICR Entry System provides MICR-encoded transaction capture under control of the OS/2000 operating system. It may be used as the initial data capture program in processing demand deposits, installment loans and other applications. The program processes credits and debits and accepts MICR-encoded documents such as checks, deposits, Christmas Club coupons, loan coupons, etc.

The MICR Entry System is built on a modular framework and demonstrates maximum system flexibility. Designed for use in either a tape or disk environment, the MICR Entry System can be modified or specialized to suit an individual user's particular needs.

It features:

- Support of the Burroughs 103 and Honeywell 236 sorters
- Operation under OS/2000 operating systems
- MICR documents or punched card input processing
- Program generation using Library Preprocessor
- Modular design to meet the special requirements of individual users
- Fully edited printouts with three levels of audit control
- Twenty-two reject reasons specified on a printed listing
- Multiple entry add-on capability to transaction (and mirror) file
- Cumulative debit and credit totals and batch sequence and run numbers maintained

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Two magnetic tape units or
- Disk drive unit (backup file disk drive is optional)
- Card reader (SIU)
- Printer (SPR)
- MICR reader sorter and control
- Console

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** Easycoder

**DOCUMENTATION:** MICR Entry Program Application Summary (BB66)

MICR Entry Program Implementation Guide (BD09)

**SHIPPING MEDIUM:** Card Image Tape (APB6004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**Notes:**

1. This program utilizes input/output macros of the OS/2000 operating system and can only be executed in that environment.
2. This product does not contain a user verification test or demonstration capability. Therefore, only source coding is released. Any request for the system, if not accompanied by an approved contract, must receive special release authorization from the appropriate marketing manager.

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**MICRCOM COMMUNICATION  
SUBSYSTEM**

**HDA**

**DESCRIPTION:** MICRCOM is a Honeywell solution to a remote MICR document capture requirement. It consists of a minimum hardware configuration designated as RMS235-2 and software products that provide the complete capability. In the minimum subsystem environment, the MICRCOM Document Entry subsystem reads, sorts, balances and captures on-us MICR encoded document images while producing a full proof listing. The document images captured during that operation are then transmitted to a central host computer for processing against demand deposit, savings, installment loan or other systems by the MICRCOM communications subsystem.

Report files created at the central site are then transmitted to the MICRCOM communication subsystem and are stored on disk or tape for later printing. If an optional second storage unit is available, one set of reports may be printed by the file transcription routine concurrently with the sending or receiving of additional data on the other. The program also includes a card file send capability permitting its use as a remote batch job entry device.

The system may also be operated in conjunction with the MICR Proof and Transits subsystem which permits either full proof of deposit or normal transit operations.

Current communication support is via the 281-2BSC single line communications control utilizing IBM 2780 binary synchronous line procedures at speeds of 2000-9600 baud.

**MINIMUM HARDWARE REQUIREMENTS:**

Basic MICRCOM RMS 235-2 system includes:

- RMS 120 central system with 24K of memory
- Disk unit
- Card reader
- Printer
- Single channel communications control

Optional Equipment

- Additional disk units
- 1 or 2 tape units
- Console
- 4 high speed printers
- Additional 8K of memory

**OPERATING SYSTEM:** Mod 1 (MSR)  
**PROGRAMMING LANGUAGE:** EasyCoder  
**DOCUMENTATION:** Product Brief (AJ53)  
Application Summary (AJ59)  
Implementation Guide (AR13)  
**SHIPPING MEDIUM:** Card Image Tape (AO124)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MICRCOM DOCUMENT ENTRY SUBSYSTEM** **HDA**

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**DESCRIPTION:** The MICRCOM Document Entry subsystem performs high speed capture of MICR encoded documents. It is designed for use with the MICRCOM communications software and the RMS235-2 hardware configuration to provide remote data capture at a low cost.

System features include:

- Support of Honeywell 234, 234-14 and 236 sorters
- Punched card as well as MICR encoded input
- Program generation through Library Preprocessor
- A wide variety of edit and sort features
- Fully edited proof lists with three levels of audit control
- Twenty-two reject reason types
- Multiple run add on capability
- Run to run carry forward credit and debit totaling

**MINIMUM HARDWARE REQUIREMENTS:**

Basic MICRCOM RMS 235-2 system includes:

- RMS 120 central system with 24K of memory
- Disk Unit
- Card reader
- Printer
- 234-0, 234-14 or 236 MICR reader sorter

Optional equipment

- Additional disk units
- 1 or 2 tape units
- Console
- 4 high speed printers
- Additional 8K of memory

**OPERATING SYSTEM:** Mod 1  
**PROGRAMMING LANGUAGE:** EasyCoder  
**DOCUMENTATION:** Application Summary (BB66)  
Implementation Guide (BD09)  
**SHIPPING MEDIUM:** Disk Copy Tape (A0120)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MICRCOM PROOF AND TRANSIT SUBSYSTEM** **HDA**

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**DESCRIPTION:** The MICRCOM Proof and Transit subsystem operates with only 24 to 32K of memory and provides fully computerized Proof and Transit operations at a low cost. The system can operate as a standard transit system or as a deposit reproof system. When operated as proof of deposit, deposit reproof is provided for all types of MICR documents processed including personal and mortgage loan coupons, Christmas/vacation club coupons, savings deposit and withdrawals, etc.

The MICRCOM Proof and Transit subsystem consists of six programs and eight sort table generation macros. Reports include Input Proof Listing, Pocket Item Listing, Transmitted Letters and an Endpoint Activity Journal, Pass-to-pass reproof is provided for multilevel sorts.

**MINIMUM HARDWARE REQUIREMENTS:**

Basic MICRCOM RMS 235-2 system includes:

- RMS 120 central system with 24K of memory
- Disk unit
- Card reader
- Printer
- 234-0, 234-14 or 236 MICR reader sorter

Optional equipment

- Additional disk units
- 1 or 2 tape units
- Console
- 4 high speed printers
- Additional 8K of memory

**OPERATING SYSTEM:** Mod 1  
**PROGRAMMING LANGUAGE:** EasyCoder, COBOL  
**DOCUMENTATION:** Product Brief  
Application Summary  
Application Handbook  
**SHIPPING MEDIUM:** Disk Image Tape (APB6003)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**MOD 1 DOCUMENT ENTRY PROGRAM (TAPE/DISK)** **HDA**

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**DESCRIPTION:** The Mod 1 MICR Document Entry Program provides MICR-encoded transaction capture for the complex data processing needs of the banking industry. It is used as the initial data capture program in both the Honeywell Demand Deposit Accounting and Installment Loan Accounting Systems. The Mod 1 MICR Document Entry Program accepts MICR-encoded documents such as checks, deposits, Christmas Club coupons, loan coupons, etc.

The Mod 1 MICR Document Entry Program is built on a modular framework and demonstrates maximum system flexibility. Designed for use in either a tape or disk environment, the system can be modified or specialized to suit an individual user's particular needs.

It features:

- Support of the Burroughs 103 or Honeywell 232, 234-0, 234-14 and 236 sorters
- Specialization made easy through the use of Library Processors and table and constant program modifiers
- Four data transcription routines operated concurrently with MICR entry
- Edited printouts to reduce batch reconciliation time
- Easy modification of listing formats
- Twenty-two reject reasons specified on a printed listing
- Item counts and amount totals by sort pocket, type of item and type of reject error
- Variable two-line heading printed at the beginning of each batch

- Multiple entry add-on capability to transaction (and mirror) file
- Cumulative debit and credit totals and batch sequence and run numbers maintained

**MINIMUM HARDWARE REQUIREMENTS:**

For Burroughs 103 and Honeywell 232 sorters:

Tape Specialization:

- Series 200/2000 central system with 16K of memory
- Advanced programming and editing instructions
- Two magnetic tape units
- Card reader
- Printer
- A MICR reader-sorter and control
- Minimum of two read/write channels

Disk Specialization:

- Series 200/2000 central system with 20K of memory
- Advanced programming and editing instructions
- Disk pack drive (back-up disk pack drive is optional)
- Card reader
- Printer
- MICR reader-sorter and control
- Minimum of three read/write channels

For Honeywell 234-0, 234-14 and 236 sorters:

Tape Specialization:

All features are the same as the Burroughs 103 sorter tape specialization except the memory size is 20K

Disk Specialization:

All features are the same as the Burroughs 103 sorter disk specialization except the memory size is 24K

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Product Brief (BJ60)  
Application Summary (BB66)  
Implementation Guide (BD09)

**SHIPPING MEDIUM:** Disk Copy Tape (A0120)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** If a back-up (mirror) file is desired, a second disk pack drive is required.

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**ONLINE BANKING SYSTEM ARI**

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**DESCRIPTION:** Processes banking floor transactions online. Handles regular savings accounts and day of deposit to day of withdrawal savings accounts, Christmas, Chanukah, vacation club accounts, time savings, lease security, repayment loans, demand loans, interest saver loans, name and address, money orders and teller checks. Provides 44 different teller totals. Provides branch auditor, management, operations reports.

The application portion of the online operating system is a separate module that uses COBOL to facilitate modification. The logic of the application module is as simple as that of a batch program.

The Online Operating System multitasks the application oriented logic to provide virtually instantaneous service to all terminals sharing the system.

The minimum configuration supports:

- 300,000 savings accounts
- 370,000 names and addresses
- 100,000 club accounts
- 136,000 time accounts
- 50,000 lease securities
- 300,000 loans
- 300,000 trailers
- or any combination of these

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 198K of memory
- Five disks
- Tape drive
- Printer
- Card reader/punch communications controller
- Adaptors
- Console

**OPERATING SYSTEM:** Online TRUMP; Offline OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Complete documentation for the online and offline systems.

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 41 0035

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**SAVINGS ACCOUNTING SYSTEM F (DISK) HDA**

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**DESCRIPTION:** Savings Accounting System F provides bank management with precise and timely information on a daily, weekly, monthly, periodic and annual basis on the operation and status of this important bank function. The system in general is as flexible as possible in the reporting area and as stringent as possible in the maintenance of audit trails, and run to run totals. It features:

- COBOL coding
- Multiple interest rates
- Fund transfers from checking accounts
- Handling of group or affiliate account relationships
- Easy modification of handling statement savings

It produces the following reports:

- Proof and Edit Journal
- Posting and Partial Trail
- Accumulated Daily History Report
- Trial Balance with History
- Accounts that are Primary Affiliates
- Accounts that are Secondary Affiliates
- Accounts Missing Social Security Number
- Accounts with Incomplete Address
- File Maintenance Run
- New Account Report
- Name and Address Changes
- Closed Account Report
- Hold Accounts
- Index Card Print
- Savings Interest Journal
- 1099 Reports

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Advanced programming and editing instruction features
- Three disk drives
- Card reader
- Printer
- MICR reader/sorter (optional)

**OPERATING SYSTEM:** Mod 1 (MSR); OS/2000/Mod 1 Simulation

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Handbook (AG82)

**SHIPPING MEDIUM:** Disk Image Tape (A0116)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**TRUMP SYSTEM (TAPE/DISK) HDA**

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**DESCRIPTION:** Honeywell's TRUMP System provides commercial banks and savings institutions with complete online processing capabilities. A system that allows bank employees and officials at all locations immediate communication with the central processor, TRUMP may be operated in a dedicated environment to handle all online requirements or in a multiprogramming mode to accommodate batch processing applications as well.

It features:

- Immediate communication with the central processor
- Automatic check of teller operations
- Ability to handle increased customer activity and offer additional services
- Rapid response to information requests
- Fast and accurate transaction service even during peak traffic periods
- Facility to accept all online transactions regardless of application
- Flexible design for easy tailoring to individual needs
- As many as 63 different files can be used at any given time
- COBOL or EasyCoder transaction processing routines
- Ease of installation, upward compatibility, and unlimited expansion
- Simultaneous operation of MICR equipment and communication devices

**MINIMUM HARDWARE REQUIREMENTS:**

Online:

- Series 200/2000 central system with 49K of memory
- Advanced programming and editing instructions
- Three read/write channels
- Two disk pack drives or one disk pack drive and one magnetic tape unit
- Card reader
- Printer
- Console
- Multichannel communication control
- Communication interval timer
- Communication adapters or alternates
- Teller terminal or alternates

Multiprogramming:

- Series 200/2000 central system with 65K of memory, storage protection, extended multiprogramming and a second I/O sector.
- Peripheral units to service background programs as card readers and punches, printers, tape units, disk pack drives, etc.

**OPERATING SYSTEM:** Mod 1 (TR) or (MSR)

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Implementation Guide (BB04)

**SHIPPING MEDIUM:** Card Image Tape (A0103)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** No more than eight communications device types may be specified to COMIO at any one time. Of those, the following device combinations may not be used concurrently

- Nonpolled CRTs with either BTT 7340 or polled Teletype 33s
- Nonpolled 370 teller terminals with BTT 7330 or Olivetti TC-349-BI teller terminals

The following types of disks are not supported: 155, 170-2, 170A-2, 171, 258, 258B and 279

The Type 278 disk is not supported as a background device if the Type 286 Communication Control is on the same I/O sector.

NOTE: This is an unsupported product.

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**PAYMATIC ARI**

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**DESCRIPTION:** Paymatic is a software system that performs all the key accounting and interfacing tasks associated with a financial institution's offering of a telephone (or mail or cable television) bill paying service to benefit both retail customers and commercial accounts (merchants).

For the merchant, these tasks include paying the merchant by consolidated check, deposit to the merchant's account, or automated clearing house transfer; reporting to the merchant the accounts and amounts that are to be credited; and maintaining an audit trail of these payments.

For the customer, the system will provide maintenance of a personal list of merchants, a Personal Identification Number (PIN) for security, the ability to transfer money from savings to checking to pay bills, the ability to "value date" transactions for future transfers, the ability to establish automatic payment of fixed amount of recurring bills, the ability to assign one or more expense codes per vendor and automatically print total payments by expense code. Additionally it offers the ability to enter twelve months of budget information per vendor/expense code for comparison to actual expenses both month-to-date and year-to-date as a useful money management report. Reporting transactions made is accomplished by a mail turn-around document (Super Check), by separate statement recapping date and amount of transactions by vendor for any time period (monthly, quarterly, or yearly), or by-passing transactions to the DDA or Savings system for printing on that statement.

For the financial institution the system will automate all internal funds transfers from checking or savings to any other department, calculates and assesses service charges based on almost any criteria and prepares the general ledgers credit to service fee income. It prints statistical reports highlighting system usage, and labels for both customers and vendors. It provides for checking of the customer's balance before the merchants are paid, communicates with all internal application processing systems in user defined formats, and provides for verification by the merchant of the customer-entered account number with merchant field, and various automated marketing assists.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 54K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 4 41 0675

**FINANCE**

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**CONSUMPTION ENTRY/INVOICE  
PROCESSING**

**ARI**

**DESCRIPTION:** Preparation of government forms 7501s and 5101s. Also does all calculations and messaging of data for the above and billing invoice and duty checks. Updates the accounts receivables and other various data files for financial and management reporting.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 40K of memory
- Two disks (275 type)
- Three tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 43 0255

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**PORTFOLIO MANAGEMENT**

**ARI**

**DESCRIPTION:** The Portfolio Management Accounting System provides management information and accounting support for mutual fund and private account money managers. The reports generated by the system serve the needs of the professional portfolio manager, whether they relate to regulatory requirements, client reporting, or internal information necessary to manage the account.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Disk with 9 million characters
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance ongoing with lease.

**I.D. NUMBER:** 5 43 0293

**PROPERTY MANAGEMENT** **ARI**

**DESCRIPTION:** This is an online Property Management System including tenant accounting, accounts payable, general ledger and financial reporting. Transactions are entered on 9600 baud video display terminals (synchronous polled and select environment). All data is verified, edited, and balanced online. It gives complete property management reports and analysis including tenant billing and payment turnaround card that is both punched and read optically by card reader; rent roll, and numerous other management reports. Accounts payable and tenant accounting feed directly into the General Ledger system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 128K of memory
- Three disks
- Printer
- Card reader with mark sense
- Card punch

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 4 44 0585

**MASS APPRAISAL** **ARI**

**DESCRIPTION:** The Computer Assisted Mass Appraisal System is suitable for Honeywell, IBM, or Burroughs hardware. This system utilizes all three approaches to value and is designed to handle commercial and residential properties as well as agricultural classes. The system prints property sketches and a pricing ladder on the property record card, and a variety of supplemental reports, including an analysis of comparable properties and market analysis reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of memory
- Four disks
- Two tapes
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option and rent negotiable

**I.D. NUMBER:** 4 44 0677

**LIFE/HEALTH INSURANCE** **ARI**

**DESCRIPTION:** This system provides the following:

- Underwriting verification: rates, benefits, age, state, etc.
- Claim checks, history reports, and reserves
- Policy schedule on computer
- Premium notice turnaround document system
- Franchise billing, government system
- Marketing: policy owner profile, computer letters, policy profile
- Finance: G/L, budgeting, gross profit by plan commissions
- Investment system, and life resources
- Agency: agent's gross profit, profile, master maintenance, etc.
- Policy service: computer tickler system for options, policy change, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Disk
- Four tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL/Easycoder

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 51 0263

**LILA** **REFERRAL**

**DESCRIPTION:** Life Insurance Logistics Automated (LILA) is an application package that performs the essential business functions of small/medium life insurance companies. A flexible systems approach and the versatility of Honeywell equipment enable an insurance company to effectively maintain its present business and to expand for future growth and needs. The basis of LILA is a consolidated master policy record, used for administrative, billing, dividend, commission, loan and valuation functions.

Features of the system are:

- Tape/disk processing in a modest environment
- Provides extensive information for business administration
- Simplicity and flexibility for ease of implementation and control
- COBOL coding
- Extensive editing for file accuracy
- A base system and production subsystems:
  - New Business
  - General Ledger Accounting
  - Billing
  - Commission
  - Dividend
  - Loan
  - Automatic Premium Loan
  - Automatic Changes
  - Miscellaneous Inforce Reporting
  - Lapse and Persistency
  - Federal Income Tax



Actuarial Library Support  
Asset Share Model Office  
Cash Release  
Year End Support  
GAAP Accounting

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Advanced programming and editing instruction features
- Card punch
- Card reader
- Printer
- Five magnetic tapes of four tapes/one disk

**OPERATING SYSTEM:** Mod 1 (TR), OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** The following are supplied only to licensed customers who have completed training requirements:

Basic System, Volume 1  
Basic System Submodules, Volume 2  
Production Subsystems, Volume 3  
Coding Manual, Volume 4  
Supplemental Information, Volume 5

**SHIPPING MEDIUM:** Binary Run Tape and Master Source Program, Library Tape (supplied to licensed customers only).

**ORDERING PROCEDURE:** Contact Insurance Marketing Manager MS 496.

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**ACCIS (ACCOUNT CURRENT COMPANY INFORMATION SYSTEM) ARI**

**DESCRIPTION:** The ACCIS, Account Current Company Information System, is an automated accounting system that performs the accounts receivable function on insurance business submitted by account current and statement paying producers.

ACCIS builds an agents ledger master file on a direct access device which contains pertinent data on the agent and his aged open balances. All transactions manually input or machine generated will update this file. This provides the current status of each producer's account at any time. This file also contains the data necessary to produce an "over 90" summary for entry to your annual statement.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 64K of memory
- Two disks
- Two tapes
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** ANSICOBOL

**DOCUMENTATION:** Extensive. Supplied with system. Includes source programs and supporting documentation.

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**SPECIFIC PROVISIONS:** Currently running on competitive equipment. Easily converted to Honeywell 1250 or 2030 — negotiable

**I.D. NUMBER:** 5 52 0376

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**AWARD (AUTOMATED WRITING AND RATING OF DWELLINGS) (ISO) ARI**

**DESCRIPTION:** The AWARD System for Insurance Services Offices (ISO) is a totally automated writing and rating system for homeowner policies, including new, renewal, endorsements and cancellations. AWARD is a nationwide system and the rating required to produce each policy will be in accordance with the rules and rates of each state as set out by the insurance services office (ISO) homeowner's policy program MLIRB Manual, as modified, if applicable, by state insurance regulatory authorities.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 196K of memory
- Two disks
- Two tapes
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** ANSICOBOL

**DOCUMENTATION:** Extensive with source and supporting documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**I.D. NUMBER:** 5 52 0381

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**AWARD (AUTOMATED WRITING AND RATING OF DWELLINGS) (TEXAS) ARI**

**DESCRIPTION:** The AWARD System for Texas is a totally automated writing and rating system for homeowner and dwelling fire policies, including new, renewal, endorsements and cancellations. The system will rate and write policies in accordance with the Texas general basis schedules manual.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 164K of memory
- Two disks
- Two tapes
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** ANSICOBOL

**DOCUMENTATION:** Extensive with source and supporting documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**SPECIFIC PROVISIONS:** Currently running on competitive equipment. Easily converted to Honeywell 1250 or 2030 — negotiable

**I.D. NUMBER:** 5 52 0380

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**CABILS (CUSTOMER ALL-LINES BILLING SYSTEM) ARI**

**DESCRIPTION:** CABILS, Customer All-Lines Billing System, is a complete and independent system, the direct bill system provides billing, processing, accounting and maintenance of all eligible customer accounts. Billing may be created from automated or manual input and can

be on a per policy, multi-policy account or payroll deduction basis. Seven primary modes of payments are supported: Monthly, quarterly, semiannual, annual, budget (50/50), 40-30-30, and prepaid.

Additional modes, such as 60/40 or 25/15/15/15/15/15 percentage payments in certain time periods are also offered as options for use with a single policy line of business such as family automobile.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 132K of memory
- Two tapes
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** ANSICOBOL

**DOCUMENTATION:** Extensive including source programs and supporting documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**I.D. NUMBER:** 5 52 0378

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**CARS (COMPUTER AUTO RATING SYSTEM) ARI**

**DESCRIPTION:** CARS, Computer Automobile Rating System, is a totally automated writing and rating system for private passenger automobile business, including new policies, renewals, cancellations, and endorsements for both old and new plan states. CARS is a nationwide system and the rating required to produce each policy will be in accordance with the rules and rates of each state as set out by the insurance services office (ISO) automobile insurance manual, as modified, if applicable, by state insurance regulatory authorities.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 132K of memory
- Two disks
- Two tapes
- Card reader, card punch
- Printer
- Console typewriter

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** ANSICOBOL

**DOCUMENTATION:** Extensive including source programs and supporting documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**I.D. NUMBER:** 5 52 0377

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**PNT (PREMIUM NOTES PLUS SYSTEM) ARI**

**DESCRIPTION:** PNT, Premium Notes Plus (+) System, provides a complete system for maintaining and processing a company's premium note file with a minimum amount of clerical support. The system includes a premium note master file on magnetic tape that is updated periodically with new notes, changes, cancellations, and payments. This updating produces a transaction tape which is used for producing all billing and cancellation notices and other output from the system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 64K of memory
- Two disks
- Two tapes
- Card reader, card punch
- Printer
- Console typewriter

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** ANSICOBOL

**DOCUMENTATION:** Extensive including source programs and supporting documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**SPECIFIC PROVISIONS:** Currently running on competitive equipment. Easily converted to Honeywell 1250 or 2030 — negotiable

**I.D. NUMBER:** 5 52 0382

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**SPARE (SYSTEM FOR PROCESSING ASSIGNED RISKS ELECTRONICALLY) ARI**

**DESCRIPTION:** The System for Processing Assigned Risks Electronically (SPARE) will rate, write and bill the required coverages for private passenger automobile business assigned under the various automobile insurance plans, plus most commercial automobile business in some states. The rating and billing for each policy will be in accordance with the rules and rates set out in the automobile insurance plans manual. The system has been designed to rate and write additional coverages with variable liability limits and physical damage options as well as broken term or six (6) months policies if and when these options are requested.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 132K of memory
- Two disks
- Two tapes
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** ANSICOBOL

**DOCUMENTATION:** Extensive with source programs and supporting documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**SPECIFIC PROVISIONS:** Currently running on competitive equipment. Easily converted to Honeywell 1250 or 2030 — negotiable

**I.D. NUMBER:** 5 52 0379

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**NOVUS II ARI**

**DESCRIPTION:** The major functions handled by NOVUS II include file maintenance, benefit compensation, billing, claims verification, cash control, cash collection, and distribution including computation and payment of commissions, reporting to reinsurers, and management reporting. These functions are performed for associations multiple employer trusts and for "true" groups. Files maintained by NOVUS II include files of customers employees.

agents, premium rates and benefits, aged dependent premium rates, administrative fees, prepayments, billing history, reinsurer rates, and commission rates. Billing can be performed for different insurance products per customer with different carriers of reinsurers participating on each product. Premiums can be dependent upon classification, age, salary, or options elected by each customer. Billing for administrative fees, enrollment charges, and retroactive adjustments is automated. Regular cash receipts, prepayments, suspense money, and adjustments can be entered, reported, and controlled. NOVUS II computes commission, and prints detailed commission statements and commission checks or extracts up to seven producers per customer. Full reporting of quarterly and annual statement values.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 100K of memory
- Three disks
- Two tapes
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Documentation, source program, education, installation assistance, product support provided. Maintenance option available.

**I.D. NUMBER:** 4 53 0672

## EDUCATION

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### ADMINISTRATIVE GUIDE

ARI

**DESCRIPTION:** This Manual will assist a school administrator in the construction of the Master Schedule. Contains: Responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0351

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### AUTHOR LANGUAGE SYSTEM FOR COMPUTER ASSISTED INSTRUCTION

HDA

**DESCRIPTION:** Honeywell offers the education market an advanced capability in computer-assisted instruction (CAI). This educational technique is a tutorial system in which the student interacts with a customer via a remote terminal.

Features include:

- Instructional material is presented to the student through a display station.
- Reports are generated indicating student status in particular courses, course progress, and student registration information.
- The Author Language consists of 12 standard and three extended language instructions for developing a course.
- The system recognizes individual student differences and permits academic progress at a rate determined by each student's ability.
- The system provides for presentation of remedial material as determined by a student's response.
- The system is designed for a nondedicated configuration that also processes administrative data processing requirements.
- Two versions of the Author Language System are released for central processors with 32,768 and 65,536 characters of memory, respectively.

**MINIMUM HARDWARE REQUIREMENTS:**

- Model 1015 (or larger) central processor with 32K or 65K of memory. (The 65K release of the system may be specialized for a central processor with a minimum of 49K of memory and above.)
- Storage protection feature
- Extended multiprogramming 8-bit transfer feature
- Console
- Three magnetic tape units and a tape control
- Type disk control
- Disk pack drive
- Card reader
- High-speed printer
- Multichannel communication control

- Communication interval timer
- Logic module for multimessage transactions, communication adapters
- VIP display stations

**OPERATING SYSTEM:** Mod 1 (Disk)

**PROGRAMMING LANGUAGE:** Easycode

**DOCUMENTATION:** Author's Guide (BH26)

**SHIPPING MEDIUM:** Card Image Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**COLLEGE GRADE REPORTING** **ARI**

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**DESCRIPTION:** All initial input information is punched on cards and is derived from the "arena method" of scheduling. All subsequent input is card maintenance to the student master such as, credit hour changes, instructor changes or adds, student add-drop or change, etc. The output and subsequent benefits of the system are those normally associated with grade reporting such as class lists, grade reports, etc. This system also generates an almost infinite number of other reports, a few of which are deans list, probation listing, student name and address labels, student 4X8 schedule cards, men's GPA, women's GPA, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One Discopy Tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0114

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**COMPUTER CENTER TIME REPORTING** **ARI**

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**DESCRIPTION:** This application accounts for each employee's time by user, job, activity, and control number. It can be used with or without a time clock to account for all costs associated with DP, including forms and supplies.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Three tapes (type 204)
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Run sheets and sample formats

**SHIPPING MEDIUM:** Tape or cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0252

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**GRADE REPORTING** **ARI**

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**DESCRIPTION:** The system can accommodate multiple schools on six-week, eight-week marking period, semesters or a combination.

All initial information is derived from the "arena method" of scheduling, after which there is card maintenance to the student master in the form of student adds and drops, teacher changes, course changes, credit changes, etc. The system produces a wide range of output normally associated with grade reporting, only a few of which are grade transcripts, class lists, failure list, 345 student schedule cards, fourth Friday count and handicap registry.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** MSR COBOL

**SHIPPING MEDIUM:** One Discopy Tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0112

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**SCHOOL ACCOUNTING** **ARI**

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**DESCRIPTION:** This package is a simple-to-install, easy-to-administer general accounting system for multiple schools within multiple school districts.

The input into the accounts payable and general fund subsystems is the standard 80-column card. The payables subsystem accepts input of vendor maintenance, prepaid checks, invoices and debit memos and produces such reports as vendor file listing (either 3 x 5 cards or print-outs), checks, prepaid check register, and check register.

The output of the payables subsystem then becomes input (magnetic tape), along with any card maintenance (expenditures, receipts and transfers) to the general fund subsystem. The general fund subsystem is the recording of data necessary for full financial reporting including funds control and budget control. Therefore the following reports are produced: balance sheet, financial report, distribution report and distribution of receipts.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One Discopy Tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0113

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**SCRIBE GRADE REPORTING AND ATTENDANCE****HDA**

**DESCRIPTION:** The SCRIBE Grade Reporting and Attendance System assists secondary schools in preparing, maintaining, reporting and analyzing attendance and grade information. The system produces reports on average daily attendance and membership statistics, plus optional user selected and defined reports covering student irregular attendance patterns, cumulative attendance data for each student and a special tabulation report of attendance by sex, grade and age. The grading data produced by the system in addition to the report card includes a variety of optional reports such as class grading lists, deficiency, GPA and user selected exception reports, class ranks and mark analysis.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 or Series 60 Level 64 central system with 32K of memory
- Two disks
- Printer
- Card reader

**OPERATING SYSTEM:** OS/2000 Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** SCRIBE Product Brief (AJ61)  
Summary Description (AJ71)  
Grade Reporting and Attendance Handbook (AS11)

**SHIPPING MEDIUM:** (259) Disk Copy tapes, (two tapes: System, Library)  
Series 200/2000 (APE6002)  
Series 60 Level 64 (ADE0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**SCRIBE SCHOOL BUDGET ACCOUNTING SYSTEM (DISK)****HDA**

**DESCRIPTION:** The SCRIBE School Budget Accounting System administers a school system budget in an organized and economical manner. The system creates and maintains a budget master file and a vendor master file and processes purchase orders, expenditures and cash flow transactions. The system can maintain control of spending at the individual school and department level. Some of the management reports from the system are:

- Vendor Master List
- Budget Master List
- Purchase Order Transaction Listing
- Detailed Budget Report
- Detailed Invoice Listing
- Monthly and Bimonthly Bill List
- Vendor List
- Check Register

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Disk drive
- Printer
- Card reader
- Card punch (optional)

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Handbook (CAP27)

**SHIPPING MEDIUM:** Disk Image Tape (A0312)  
Test Data (CIT) (A0312)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

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**SCRIBE STUDENT SCHEDULING****HDA**

**DESCRIPTION:** This is a COBOL, disk-oriented scheduling system. The system handles traditional or modular schedules, with up to 48 course requests per student, 99 sections per course, 99 modules per day, 12 days per week, and 6 terms per year. The minimum configuration will process up to 2000 students per school and at least 500 courses.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 or Series 60 Level 64 central system with 32K of memory
- Two disks
- Printer
- Card reader

**OPERATING SYSTEM:** OS/2000, Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AJ61)  
Summary Description (AJ71)  
Administrator's Guide (via Industry Marketing) Handbook (AR35)

**SHIPPING MEDIUM:** Two (259) Disk Copy Tapes  
Series 200 (APE6001)  
Series 60 Level 64 (ADE0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**STUDENT SCHEDULING F (DISK)****HDA**

**DESCRIPTION:** The system is a disk version of the Student Scheduling F Tape System and offers exactly the same capabilities and features. Scheduling F handles modular or traditional scheduling and processes 500 courses, 1000 course sections, 12 requests per student, and six alternate requests per student.

For schools operating with staggered periods, half-period lunches, or multiple time units rather than traditional period class schedules, the system provides the ability to divide the school day into 26 time modules that can be assigned to classes in arbitrary groups.

Additional features of the system include priority scheduling of students, automatic assignment of lunch, control of consecutive open periods, and study hall scheduling. Optionally, the system automatically assigns required courses and schedules alternate courses.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Two disks
- Printer

- Card reader
- Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Reference Manual (CAP12)

**SHIPPING MEDIUM:** Disk Image Tape (A0308)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

## STUDENT SCHEDULING SYSTEMS D, F, G (TAPE)

HDA

**DESCRIPTION:** Designed for the school's scheduling and data processing requirements, these systems can perform scheduling tasks on the same equipment configurations used for the school's year-round administrative and instructional applications. Features of the system include:

- Optimum utilization of classrooms and teachers
- More evenly balanced classes
- More students receiving the classes they requested because scheduling conflicts are resolved through adjustments to the master schedule rather than student schedules
- A massive reduction in clerical workload and expense
- Priority scheduling
- Automatic lunch assignment
- Control of open periods
- Study hall assignment

The following are not available on Student Scheduling System D:

- Modular scheduling
- Alternate course scheduling
- Time-of-day designation

### MINIMUM HARDWARE REQUIREMENTS:

- Series 200/2000 central system with 16K of memory for system D or 24K of memory for system F or 28K of memory for system G
- Advanced programming and editing instruction features
- Card reader
- Printer
- Four magnetic tape units (System D) or five magnetic tape units (Systems F and G)
- Optional card punch (Systems F and G)

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** System D Administrator's Guide (BG64)

System F Administrator's Guide (BE61)

System F Handbook (BE60)

System G Handbook (AE99)

**SHIPPING MEDIUM:** Source Program Tape

System D (A0301)

System F (A0302)

System G (2 Tapes) (A0307)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

## TEST SCORING

ARI

**DESCRIPTION:** System uses mark sense data processing cards as turnaround document. There are 50 questions per card, and up to four cards may be used. Program consists of an edit, computing raw scores, item analysis, and statistical report including the mean and standard deviation per group or total group. May be used as initial programs to standardized tests.

### MINIMUM HARDWARE REQUIREMENTS:

- Series 200/2000 central system with 12K of memory
- Three tapes (type 204)
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Run sheets and sample formats

**SHIPPING MEDIUM:** Tape or cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0253

## COLLEGE GRADE REPORTING

ARI

**DESCRIPTION:** This package is designed to help relieve instructors, secretaries, and administrators of the menial tasks involved in grade reporting.

All initial input information is on punched cards and is derived from the "arena method" of scheduling. All subsequent input is card maintenance to the student master such as credit hour changes, instructor changes or adds, student add-drop or change. The output and subsequent benefits of the system are those normally associated with grade reporting such as class lists, grade reports. This system also generates an almost infinite number of other reports, a few of which are dean's list, probation listing, student name and address labels, student 4 x 8 schedule cards, men's grade point average, women's grade point average.

This package has been installed and running for five years.

### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 64 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 4 71 0622

## GRADE REPORTING

ARI

**DESCRIPTION:** The system can accommodate multiple schools on six-week, eight-week marking period, semesters, or a combination of these.

All initial information is derived from the "arena method" of scheduling, after which there is card maintenance to

the student master in the form of student adds and drops, teacher changes, course changes, credit changes. The system produces a wide range of output normally associated with grade reporting, only a few of which are grade transcripts, class lists, failure list, 345 student schedule cards, fourth Friday count, and handicap registry.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 4 71 0624

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**SCHOOL ACCOUNTING** **ARI**

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**DESCRIPTION:** This package is a simple-to-install, easy-to-administer general accounting system for multiple schools within multiple school districts.

The input into the accounts payable and general fund subsystems is the standard 80-column card. The payables subsystem accepts input of vendor maintenance, prepaid checks, invoices and debit memos and produces such reports as vendor file listing (either 3 x 5 cards or printouts), checks, prepaid check register, and check register.

The output of the payables subsystem then becomes input (magnetic tape), along with any card maintenance (expenditures, receipts, and transfers) to the general fund subsystem. The general fund subsystem is the recording of data necessary to full financial reporting including funds control and budget control. The following reports are produced: balance sheet, financial report, distribution report, and distribution of receipts.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 16K of memory
- Disk
- Three tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 4 71 0623

**GOVERNMENT**

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**AD VALOREM AND DELINQUENT TAX** **ARI**

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**DESCRIPTION:** This is a complete multidistrict tax package and has been used by one company to process over 100 tax districts. Programs include: file maintenance, rolls, two-up tax bills, balance sheet or paid and unpaid accounts, delinquent tax FM, delinquent tax bills showing penalty and interest for any four months, utility programs to list individual or groups of accounts, mortgage code FM, etc. All you add is data.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL C

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 73 0260

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**CENSUS SYSTEM** **ARI**

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**DESCRIPTION:** Allows user to conduct a mailer census with second and third run capabilities. Updates information on the master resident file. Generates census reports by ward.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 with 24K of memory
- Tape
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Swap for software.

**I.D. NUMBER:** 5 73 0022

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**POLICE DATA BASE** **ARI**

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**DESCRIPTION:** Maintains police data base daily and generates statistical and operational reports on a monthly basis.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Tape
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will swap for software

**I.D. NUMBER:** 5 73 0024

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**STATISTICAL REPORTING SYSTEM** **ARI**

**DESCRIPTION:** Using a master resident file, the system generates 35 demographic reports used for planning department.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Disk
- Tape
- Card reader
- Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 73 0023

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**OPTIMAL POLICE SYSTEM** **ARI**

**DESCRIPTION:** This Computerized Optimal Police System is a police management information system for small municipalities, counties, or regional municipal groups. The system is a totally interactive online minicomputer-based management information system with the following features: resource allocation, data base multikey access, criminal histories, local warrants, suspect evaluation, state U.C.R.; multi-user and telecom available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of memory
- Disk
- Tape (optional)
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** BASIC

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 4 73 0682

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**MEDICAL**

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**ACCOUNTS RECEIVABLE-DISCHARGED** **ARI**

**DESCRIPTION:** The system processes all activity to a patient's account from time of entry onto the system until account is paid out or written off. The daily reports include detail activity, management controls, and pre-printed patient bills, third party tracers, and patient account status cards.

Its features include:

- Interface with HDCV Inhouse System
- Microfiche reporting
- Patient category controlled billing cycles and statement messages
- Third party tracing and automatic denials
- Budget accounts subsystem
- Interface with HDCV bad debt system
- Interface with HDCV general ledger system
- Weekly and monthly detail and summary reporting
- Report sequence selection

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 90K of memory
- Two disks (278)
- Six tapes
- Printer
- Card reader

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**I.D. NUMBER:** 5 74 0400

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**ACCOUNTS RECEIVABLE-INHOUSE** **ARI**

**DESCRIPTION:** The system processes all activity pertaining to a patient's account from time of admission or treatment until patient is discharged or treatment is complete. The daily reports include detail activity, management controls, and pre-printed patient bills, ledgers and insurance statements. Periodically produced are revenue and statistical reports. Features include:

- Centralized hospital-controlled processing Specs
- Direct interface with General Ledger
- Automatic pricing of rooms and ancillary charges
- Automatic computation and generation of room and board charges
- Automatic estimation of insurance coverage
- Microfiche available for most reports

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 88K of memory
- Two disks (278)
- Five tapes
- Printer
- Card reader

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**I.D. NUMBER:** 5 74 0401



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**BILLING****ARI**

**DESCRIPTION:** The system provides daily, weekly and monthly reports on billing. It prepares bills, patient statements, insurance forms, tracks aged accounts, posts to the cash receipts journal and supplies statistical analysis reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 or Series 60 Level 64 central system with 64K of memory
- Two disks
- Two tapes
- Card reader
- Printer

**OPERATING SYSTEM:** DOS**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Extensive**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 74 0136

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**MEDICAL RECORD SYSTEM****ARI**

**DESCRIPTION:** This system for hospitals and other similar facilities provides all the necessary reports for medical record departments, including the automatic coding of diseases and operations for medical records, emergency room, out-patient departments, and patient billing. Collection, processing, and provision of patient information is through a simple, fast, daily routine meeting daily work needs and long-term requirements. Accuracy is maintained daily through special error-recognition capabilities. The quarterly report provides distribution of individual reports to admitting and consulting physicians.

The system provides the following reports.

On a daily basis:

- Utilization review (PSRO) reports
- Utilization statistics
- Final diagnoses coded for business office

On a monthly basis:

- Statistics (can be ready for Administration within 3 days of month-end)
- Service Report, Death Register, Patient Index, Disease Index
- Operation Index, Physicians Index, Consultant Activity Report
- Medical Audit — all Patient; Committee Audit — medical surgical
- Alphabetical patient cross reference, emergency room, and out-patient coding
- The system does 99% of all disease and operation coding, including any delayed diagnoses.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 65K of memory
- Six tapes
- Card reader
- Printer

**PROGRAMMING LANGUAGE:** COBOL**SHIPPING MEDIUM:** Installed with 100% warranty.**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System can be modified: to 32K in about 120 days, price negotiable; to 49K two disks, two tapes in 30 days, price negotiable.

**I.D. NUMBER:** 5 74 0319

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**MEDICAL DATA SYSTEMS****ARI**

**DESCRIPTION:** This system provides outpatient billing for group practices and distributes production and collections by doctor/department. It also produces insurance forms and patient history labels, and provides patient/account cross references. It can use CRV service codes and ICDA diagnostic codes.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 Model 1200 central system with 64K of memory
- One or two disks (Type 273)
- Five tapes
- Printer
- Card reader/punch

**OPERATING SYSTEM:** Mod 1**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Submitter maintains system**I.D. NUMBER:** 5 74 0628

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**NURSING HOMES****ARI**

**DESCRIPTION:** This system was designed along the same guidelines used by the Federal Government to design Medicaid. It is an accounting, reporting, and claims processing system easily modified to operate in each state. It is designed to meet the minimum Federal Government review guidelines. It is a method of delineating the cost of services actually rendered to individual nursing home patients, and a comparison of reimbursement for those services. It has nine separate modules that can be installed and/or operated individually or as a total package. The nine modules are:

- Accounts Payable
- Payroll
- Accounts Receivable
- Fixed Assets and Depreciation
- Automatic Ancillary Pricing
- General Ledger
- Profit and Loss
- Patient History
- Inventory Control

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of memory
- One disk
- Printer

**OPERATING SYSTEM:** GCOS Level 64**PROGRAMMING LANGUAGE:** COBOL**SHIPPING MEDIUM:** Disk**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Maintenance option available.**I.D. NUMBER:** 4 74 0661

## BUSINESS SERVICES

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### ACCOUNT RECONCILIATION PACKAGE ARI

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**DESCRIPTION:** The account Reconciliation Package (ARP) is used by more than 110 banks, insurance companies, banks service bureaus, and commercial organizations. It is the ideal solution for those firms interested in performing check reconciliation "in house". The ARP is flexible and can reconcile all of a user's accounts while allowing him to select different control and reporting options for each. The system accepts check registers (issue) data and bank(s) paid in any format on cards or tape. Produces any combination Paid Only, Outstanding and Consolidated reconciliation reports. Produced on hard copy and/or tape (with formats completely variable by account). Reports can display payee name, policy or claim number, etc., and are available in check number, check number by issue or paid date, or other "special" sequences. Subtotal breaks based on positions of check number. Statements called using either "as-of" or "from-to" dates. Many controls such as stale date, maximum dollar, paid-no-issue, plus scheduling and balancing aids. ARP interfaces with DISC's Cash Disbursement Float Management System (CDFMS), a cash management system for minimizing balances and improving short-term investments. Installation assistance provided.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system
- Disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGES:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**SPECIFIC PROVISIONS:** Maintenance service available

**I.D. NUMBER:** 4 76 0551

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### GEN PAY 78 ARI

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**DESCRIPTION:** GEN PAY 78 is an expanded all tape (no disk) payroll system with increased field sizes. The system has tax routines for 50 states and many local taxes. It has an expanded master file. Payrolls for a number of clients with multi-departments may be combined. All normal payroll functions with quarterly and annual reports are included. All forms required are available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Six tapes
- Printer
- Card reader

**OPERATING SYSTEM:** MSR Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Complete flowcharts, run instructions, user input, manual, copies of outputs

**SHIPPING MEDIUM:** Source tape

**ORDERING PROCEDURE:** Contact ARI (see Preface)

**SPECIFIC PROVISIONS:** FICA over \$1,000.00, additional deductions, expanded field sizes

**I.D. NUMBER:** 5 76 0427

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### GENERAL LEDGER AND BUDGET ARI

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**DESCRIPTION:** In addition to processing general ledger bookkeeping tasks and providing complete financial statements, general ledger, and budget reports, this system has a report generator capability. This feature enables executives, department heads, and accountants to request, design, and implement their own unique reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Disk
- Four tapes
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will provide five consecutive days on site to install for the cost of travel/living expenses.

**I.D. NUMBER:** 5 76 0267

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### GENERAL LEDGER/CLIENT ACCOUNTING ARI

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**DESCRIPTION:** This system edits, balances, and updates the General Ledger Accounting System to provide output of journals, general ledger activity report, balance sheets and income/expense statement. Source data can be coded for payroll accumulations, 941, and W-2 preparation. The system allows 1-75 clients. Report writing maintains four levels of totals (month and year-to-date) with storage for 50 subtotals for summary reporting. Such special reports as budget, quantity, and unit report can be added depending on user requirements.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Two disks (type 172)
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL C

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0278

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### GOLF HANDICAPS (SERIES 200/2000) ARI

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**DESCRIPTION:** This package utilizes a member master and applies weekly maintenance (18 hole golf scores) to it. It is a very effective package that handles an infinite number of members and a tremendous amount of scores to give you the most up-to-date handicaps possible. The end result of the system is a report for the pro shop and either cards or pressure sensitive labels for the member.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Printer
- Disk
- Three tape drives
- Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)**PROGRAMMING LANGUAGE:** MSR COBOL**SHIPPING MEDIUM:** One tape (source)**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 76 0198**PAYROLL SYSTEM****ARI**

**DESCRIPTION:** This payroll processing system consists of nine structured ANS COBOL programs consisting of error extract list, check register, voluntary deduction list, payroll register showing current, qtd, ytd, and update figures, leave register, payroll transmittal, employee status master list, check print, quarterly reports and annual W2's. The system processes weekly, biweekly, semi-monthly, monthly, and quarterly pay periods. All company information, FICA and SUI limits are contained on the master and are accessed via file maintenance for flexibility. Multiple state tax calculations, alternate earnings, up to 20 variable deductions and many more advantages make this system a real plus.

Average run time on 100 man payroll — 10 minutes.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Five tapes (204B)
- Card reader
- Printer
- Console

**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface)**SPECIFIC PROVISIONS:** Maintenance option available, also set up support at negotiable price**I.D. NUMBER:** 5 76 0428**PERSONNEL REPORTING****ARI**

**DESCRIPTION.** The Personnel Reporting System is a prepackaged system which gives the user the capability to create and maintain a data base of employee personnel records. All current personnel data is maintained on the data base along with history which is automatically generated when a change is applied to the file. In addition to standard reports such as Salary Review Notices, Employee Benefits Statement, Absentee Accounting, EEO and many others, the system provides a complete staffing control module and a skills inventory/search capability. A very powerful user oriented report generator is also a standard module of the system. An interface module provides linkage to existing payroll systems and allows for a single data entry point for both systems.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 or Series 60 Level 64 central system
- Card reader
- Printer

**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface)**I.D. NUMBER:** 5 76 0440**GOLF HANDICAPS****(SERIES 60 LEVEL 64)****ARI**

**DESCRIPTION:** This package utilizes a member master and applies weekly maintenance (18-hole golf scores) to it. It is a very effective package that will handle an infinite number of members and a tremendous amount of scores to give you the most up-to-date handicaps possible. The end result of the system is a report for the pro shop and either cards or pressure sensitive labels for the member.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 16K of memory
- Printer
- Disk
- Three tape drives
- Card reader

**OPERATING SYSTEM:** GCOS Level 64**PROGRAMMING LANGUAGE:** COBOL**SHIPPING MEDIUM:** One tape (Source)**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 4 76 0620**ACCOUNTS PAYABLE (ADVERTISING)****ARI**

**DESCRIPTION:** The Accounts Payable System processes supplier invoices and sorts down to a chart of accounts level. At entry time, each expense is assigned a payment time. A prepay report shows future cash requirements as well as items being paid next run. The system prints checks, ages payables, and provides an expense allocation report.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 Model 20 central system with 64K of memory
- One disk
- Three tapes
- Printer

**OPERATING SYSTEM:** Mod 1**PROGRAMMING LANGUAGE:** COBOL**SHIPPING MEDIUM:** One disk copy tape (object only)**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 4 76 0638**ACCOUNTS RECEIVABLE (ADVERTISING)****ARI**

**DESCRIPTION:** This accounts receivable system processes cash receipts against an accounts receivable file to maintain detailed receivables data. Billed information can be fed in automatically via companion data flow systems. Output includes billing recaps, aging reports, cash receipts reports, A/R balance reports by client, and statements of account.

This system can be integrated with the following systems to form an integrated management information system: Print Dataflow (I.D. Number 4 76 0632), Broadcast Dataflow (I.,D. Number 4 76 0633), Production Dataflow (I.D. Number 4 76 0635), and Client Profitability (I.D. Number 4 76 0636).

The system is intended for ad agencies.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 Model 20 central system
- One disk
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sample Reports

**SHIPPING MEDIUM:** One disk copy tape (object only)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 4 76 0637

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**BROADCAST DATAFLOW (ADVERTISING) ARI**

**DESCRIPTION:** This online broadcast advertising media control system processes broadcast schedule input and produces up-to-date advertising schedules (contract) budget recaps, media plans, invoices and payments. Discrepancy reporting facilitates handling and resolution of discrepancies. Schedules on file can be post-evaluated without re-entry.

This completely integrated system for advertising performs planning, ordering, billing, paying and summary reporting. It eliminates redundant re-entry of input for different functions.

The system is capable of being integrated with the following systems to form an integrated management information system: Print Dataflow (I.D. Number 4 76 0632), Production Dataflow (I.D. Number 4 76 0635), Client Profitability Statement (I.D. Number 4 76 0636), and Accounts Receivable/Sales Analysis System (I.D. Number 4 76 0637).

It is intended for ad agencies, media buying services, or advertisers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 Model 20 central system with 130K of memory
- Two disks
- Two tapes
- Online terminals
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sample Reports  
USAGE Instructions

**SHIPPING MEDIUM:** One disk copy tape (object only)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Spot TV post-evaluation system available.

**I.D. NUMBER:** 4 76 0633

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**BROADCAST POST EVALUATION  
(ADVERTISING)**

**ARI**

**DESCRIPTION:** Broadcast Post Evaluation utilizes Arbitron television market surveys to compare actual spot performance by demographic categories and ratings against performance as estimated by buyer and planner. It summarizes by schedule and market and provides a buyer performance rating. It is intended for spot TV advertisers, ad agencies, or media buying services.

There is no redundant input if used with the Broadcast Dataflow System (I.D. Number 4 76 0633).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 Model 20 central system with 96K of memory
- One disk
- Three tapes
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One disk copy tape (object only)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 4 76 0634

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**CLIENT PROFITABILITY**

**ARI**

**DESCRIPTION:** The Client Profitability System processes billing, income, direct expenses, overhead, salaries, and employee time sheets to provide client-by-client profitability reports. It summarizes client performance on an office and/or agency level. The system gives a complete set of subsidiary reports to analyze time cost by client, department, and employee.

Many parameter options allow for multi-profit centers, budgeting control, automatic calculation of overhead, so that the system can be tailored for each user. It balances with General Ledger and Payroll register.

The system can be integrated with the following systems to form a completely integrated management information system: Print Dataflow (I.D. Number 4 76 0632), Broadcast Dataflow (I.D. Number 4 76 0633), Production Dataflow (I.D. Number 4 76 0635), and Accounts Receivable/Sales Analysis System (I.D. Number 4 76 0637).

It is intended for ad agencies or service organizations in an agent-client relationship (e.g., law firms).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 Model 20 central system with 64K of memory
- One disk
- Three tapes
- Printer

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sample Reports  
Usage Instructions

**SHIPPING MEDIUM:** One disk copy tape (object only)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 4 76 0636

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**DIRECT MAIL AND PROSPECT CONTROL SYSTEM****ARI**

**DESCRIPTION:** The system processes name and address records and produces labels, letters, and salesmen's lead cards for follow-up. Prospects can be automatically assigned to salesmen on a fair basis, and sorted alphabetically within zip. A history file of names can be built. New input can be checked against history file for previous entry. It is intended for direct mail advertisers and ad agencies.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 Model 20 central system with 64K of memory
- Three tapes
- Printer

**OPERATING SYSTEM:** Mod 1**PROGRAMMING LANGUAGE:** COBOL**SHIPPING MEDIUM:** One disk copy tape (object only)**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 4 76 0639

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**PRINT DATAFLOW (ADVERTISING)****ARI**

**DESCRIPTION:** This is an advertising print media control system which maintains detailed ad budgets, prepares schedule and estimate reports, generates insertion orders, prepares client invoices, and pays the publications; all based upon input provided for ordering purposes. Various control reports are also provided to Traffic and Production to facilitate scheduling and changes therein.

This system eliminates redundant re-entry of input since all functions access the same data base.

The system is capable of being integrated with the following systems for form an integrated management information system for an ad agency: Broadcast Dataflow (I.D. Number 4 76 0633), Production Dataflow (I.D. Number 4 76 0635), Client Profitability System (I.D. Number 4 76 0636), and Accounts Receivable/Sales Analysis System (I.D. Number 4 76 0637).

It is intended for ad agencies, advertisers, or media buying services.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 Model 20 central system with 96K of memory
- One disk
- Three tapes
- Printer

**OPERATING SYSTEM:** Mod 1**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Sample Reports  
Usage Instructions**SHIPPING MEDIUM:** One disk copy tape (object only)**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Intelligent terminal option available**I.D. NUMBER:** 4 76 0632

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**PRODUCTION DATAFLOW (ADVERTISING) ARI**

**DESCRIPTION:** Production Dataflow processes employee time sheets and supplier invoices to the job level in order to generate client invoicing and supplier payments. Its summary reports allow management to control dollars in production inventory. The system can pre-bill, progress-bill, or final-bill jobs. Dollars automatically update budget recaps.

This completely integrated system performs the planning, billing, paying, and summary reporting functions without redundant re-entry for each function.

The system is capable of being integrated with the following systems to provide an integrated management information system: Print Dataflow (I.D. Number 4 76 0632), Broadcast Dataflow (I.D. Number 4 76 0633), Client Profitability System (I.D. Number 4 76 0636), and Accounts Receivable/Sales Analysis System (I.D. Number 4 767 0637).

It is intended for ad agencies or advertisers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 Model 20 central system with 96K of memory
- One disk
- Three tapes
- Printer

**OPERATING SYSTEM:** Mod 1**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Sample Reports  
Usage Instructions**SHIPPING MEDIUM:** One disk copy tape (object only)**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Intelligent terminal software available**I.D. NUMBER:** 4 76 0635

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**VOCATIONAL INFORMATION****ARI**

**DESCRIPTION:** The system is designed for organizations responsible for the vocational rehabilitation of disabled workers, the chronically unemployed, and students. The automation of a job matching procedure is combined with a data base containing local job market trends, training opportunities, and entry-level salaries. Job matching is based on the person's education, aptitudes, physical limitations, interests, behavioral characteristics, choice of industry, and work environment.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 100K of memory
- Disk
- Tape
- Printer

**OPERATING SYSTEM:** GCOS Level 64**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 4 76 0671

## TRANSPORTATION

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### FLEET MAINTENANCE

ARI

**DESCRIPTION:** The system produces detailed, meaningful cost-per-mile reports on vehicles operated. It provides an efficient method by which independent small fleet owners/operators can readily assess needed data for financial control, audit, track fleet movement; improve maintenance methods; and pinpoint maintenance cost trends.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 4 77 0674

## UTILITIES

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### UTILITY BILLING

ARI

**DESCRIPTION:** This billing system is set up for four types of utilities: Water, Gas, Sewer, and Garbage. The system consists of the following programs: file maintenance/error extract, alpha billing register, meter transmittal list, and utility bills. It is set up to assume payments, to necessitate only the posting of late, non, or partial payments.

The billing water base amount depends on the size of the meter. There are three classes of service: residential, commercial, and industrial. Some options of the system include suspension of tax for exempt customers, additional bills for customers, garbage billing on code, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Four or five tapes (204B)
- Console
- Printer
- Card reader

**PROGRAMMING LANGUAGE:** ANSICOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Implementation assistance available on an hourly basis, also maintenance negotiable.

**I.D. NUMBER:** 5 78 0430

**COUNTRY CLUB ACCOUNTS RECEIVABLE ARI**

**DESCRIPTION:** This accounts receivable system is tailored for use by country clubs. The system consists of seven programs: File maintenance/error extract, detail proof, unbilled transaction report, statements, aged trial balance, late charge list, unbalanced list, and membership. The system generates tax and service charge based upon detail charge codes (up to 20). It accommodates up to five type members, generates monthly dues, food minimum, and late charges, if any. It will print 5 lines of variable message at the end of each statement, if required.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Console
- Printer
- Card reader
- Advanced programming option

**PROGRAMMING LANGUAGE:** ANSICOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Implementation assistance available on an hourly charge basis, maintenance negotiable.

**I.D. NUMBER:** 5 80 0431

**NETWORK OPTIMIZER ARI**

**DESCRIPTION:** This computer program is used to determine the optimum, or least costly, circuit and routing configuration in a long distance telecommunications network, given a particular grade of service supplied by the user. It is highly accurate and able to automatically evaluate all types of Wats, FX, and tie circuits, plus specialized common carriers. The output is specifically designed to be easily understood by top management who may be unfamiliar with technical aspects of telecommunications.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 40K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** FORTRAN

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option automatic with purchase.

**I.D. NUMBER:** 4 80 0669

**ABLE & THE ACCOUNTING LANGUAGE ARI**

**DESCRIPTION:** Enables accountants to prepare periodic reports for management using as its data base the company's own chart of accounts and/or trial balance. While working from raw data or trial balance figures, ABLE will leave a perfect audit trail when it posts to the journals, ledgers, and payroll records. Any report which can be prepared by hand from the figures in memory can be prepared faster and easier with this system. There are no restrictions on the chart of account (it does not have to be output-oriented) and there are no restrictions on the output formats. Consolidated statements, departmental analysis, prorations among departments, any number of standard, adjusting, depreciation, and even depletion entries can be made automatically with ABLE. The high-level, powerful, user-oriented THE ACCOUNTING LANGUAGE is incorporated into the system. The whole package is designed for use by accountants; it does not take a programmer to make it work. By-product reports include Forms 941-A and W-2. The operating system portion was designed for minimum operator action or reaction, and is therefore ideal for use by accountants.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Two disks or four tapes or any combination
- Printer
- Optional choice of input device: card, tape, or paper tape

**OPERATING SYSTEM:** Optional

**PROGRAMMING LANGUAGE:** COBOL (Transparent)

**DOCUMENTATION:** Complete user documentation and installation training by vendor included.

**SHIPPING MEDIUM:** Tape or card

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Complete maintenance available.

**I.D. NUMBER:** 5 05 0201

**ALPHA LOOK-UP ARI**

**DESCRIPTION:** Primary use for communications allows search on files accepting any length argument for last or first name. The search returns all matches and allows forward paging. File is loaded sequentially and accessed randomly. Currently two entirely different files are accessed. Policy Master is approximately 600,000 entries. The Doctor Master is approximately 26,000 entries. Allows complete access of above files by any CRT with capability to continue search where last screen displayed.

Three programs in system:

- Create Alpha Tape
- Create Alpha Disk
- Accessing Routine for CRT

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 4K User Partition plus Supervisor
- Disk
- Printer
- CRT

**OPERATING SYSTEM:** OS/2000**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 05 0026**AUTOMATED RESOLUTION FROM CENTURY TO HONEYWELL (ARCH)****UL**

**DESCRIPTION:** NCR Neat/3 to Honeywell Series 200/2000 COBOL conversion aid assists in converting programs written in the Neat/3 programming language to the Honeywell COBOL language capable of running on Honeywell Series 200/2000.

Conversion package consists of:

- ARCH, Neat/3 to COBOL Translator
- Q-PROG, a routine to select Neat/3 source programs from the ADISC and put them out on 9-channel EBCDIC tape
- File transcriber that accepts any type of input data and transfers it to 9-channel EBCDIC tape
- Utility routines to get programs and/or data from 4- to 7-channel tape
- TRANS, a routine that transliterates NCR source program decks to 7-channel BCD card image tape for input to translator

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 48K memory
- Disk
- Card reader
- Tape
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR) or OS/2000**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** ARCH Translator User's Guide (Available from Small/Medium Systems Support Services Dept.)**SHIPPING MEDIUM:** Tape (SPV0001)**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.**AUTOVERSION****ARI**

**DESCRIPTION:** This program reads the old version disk of software and automatically creates the JCL necessary to Preallocate, copy, and create the files or libraries, on a disk file. The JCL file is called from the console and does the copy. The program includes a feature whereby a user may specify up to 100 files and/or libraries he does not want copied to the new version software disk. Old version system software is eliminated automatically. The program is fully documented with comments as to the purpose of each section, and how to insert new parameters in the prealloc, copy, and create JCL. The purpose of Autoversion is to reduce the preparation of JCL by a staff member when going from one version of software to another.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 32K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Operator's instructions, program narrative, JCL with comments**SHIPPING MEDIUM:** Disk or 96-column cards**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 05 0534**BASIC (SERIES 2000 OS/2000)****FDA**

**DESCRIPTION:** OS/2000 BASIC is a time-sharing system using OS/2000 operating system. It provides users at distant locations with simultaneous access, via teleprinter to a computer system for problem-solving operations and other computer capabilities. OS/2000 BASIC is a mathematics-oriented compiler language.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 80K partition for initialization; 65K partition for execution
- DATANET 2000 FNP
- Card reader
- Printer
- Tape/disk
- Teleprinters

**OPERATING SYSTEM:** OS/2000**DOCUMENTATION:** Handbook (BH10) Language Manual (BJ16)**SHIPPING MEDIUM:** Tape/disk (SPL6006)**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.**SPECIFIC PROVISIONS:** NOTE: This is a contributed application and is an unsupported product.**BASIC SYSTEM (DISK)****HDA**

**DESCRIPTION:** Honeywell's Series 200 Basic System focuses on the needs of problem-solvers — those involved with solving equations, with statistical and financial analysis and in the solution of complex mathematical and engineering problems. The system provides users at remote locations with simultaneous access to a certain computer system for problem-solving operations and other computing capabilities.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 65K of memory
- Three tapes
- Printer
- Card reader
- Disk and control
- Multiprogramming package and 8-bit transfer
- Storage protect
- Scientific unit
- Optional instruction packages
- Time of day clock
- Character mode communication control
- Interval timer



- Adapter (one per line)
- Teleprinter units
- 103A data sets (one per line)
- Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**Note:**

At this time, this system is incompatible with OS/2000.

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Handbook (BH10)  
Remote Problem Solving (BASIC) Reference Manual (BJ16)  
Demonstration Guide (BY43)

**SHIPPING MEDIUM:** Source Program Tape (A0306)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**BULLET (TAPE TO TERMINAL TRANSMISSION)**

**ARI**

**DESCRIPTION:** BULLET is a communications package which reads a tape and transmits the data to a remote terminal. The program will run under the Honeywell OS/2000 operating system with a DATANET 2000 Front-End Processor. It is written to run on a system which has a print file blocking factor of ten and a scientific unit. Either of these can be changed.

BULLET can transmit to three different terminals; Mohawk data recorder, IBM 2780, and IBM 3780. Of course, the transmissions work also to emulators of these terminals. The terminal choice is under parameter control.

Also under parameter control is the capability to select which job steps are to be transmitted from the SPR tape. This is done by specifying the job step number and report number to be transmitted.

SENDER works in conjunction with BULLET to provide the means to transmit a data file from the Honeywell 2000 computer to any minicomputer capable of emulating an IBM 2780 or 3780.

At the minicomputer, this data file is received onto a tape or disk and can then be processed. The data file record length can be up to 3000 characters and is under parameter control.

SENDER reads the data type, with record length and blocking supplied on a parameter, and then outputs a tape which is transmitted with BULLET.

SENDER runs under release 3 and 4 of OS/2000.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 20K of memory
- One disk
- Tape
- DATANET 2000

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 5 05 0408

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**COBOL CONCORDANCE PROGRAMS**

**ARI**

**DESCRIPTION:** The program accepts a deck of COBOL statements and prepares a listing and assigns line/card numbers. Then it automatically prints a table of file, data, index and paragraph names used in the programs, in alphanumeric sequence. The listing table shows whether the symbolic name originated in the file, data or procedure division of the program.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 05 0148

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**COBOL PRE-COMPILER (SHORTAN)**

**ARI**

**DESCRIPTION:** SHORTHAN is an easy-to-use, COBOL pre-compiler with several significant features. The COBOL source code of SHORTHAN is included in the purchase price to allow complete installation control of the package. SHORTHAN accepts any mixture of COBOL source and abbreviations, uses COBOL syntax, spacing and standard COBOL coding forms, and produces COBOL source code compatible with all COBOL compiler. All COBOL translations are defined on user-maintained abbreviation files, and additional abbreviations can be specified by the programmer at run time.

It is the first pre-compiler with automatic paragraph-name abbreviations with simple commands to control all processing. It is specifically designed for maintenance as well as development programming.

SHORTHAN means that it can also be used as a program conversion utility, Data Element Glossary abbreviator, COBOL standards enforcer, and function also as a "cleanup" aid.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 60K of memory
- Tape
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Installation instructions, reference manual, programmer reference cards, sample program

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 5 05 0523

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**COMFORT** **ARI**

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**DESCRIPTION:** Comfort organizes FORTRAN statement labelling numbers into sequential order within the source program. Increments can be specified between statement numbers so that subsequently inserted numbers need not disrupt the order. In addition to renumbering, the package can remove the leading blanks from statements, and number and label the source lines in the last eight columns. Optionally, Comfort collects and moves the Format statements to the end of the program and allocates a separate statement numbering system for them. Comfort also produces FORTRAN cross-reference tables. These tables show the line numbers at which labels and variables are referenced within the source program. Comfort may be used in batch or interactive mode.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 80K of memory
- Disk or tape
- Card reader
- Printer

**PROGRAMMING LANGUAGE:** FORTRAN**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 05 0529

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**CONVERSION** **ARI**

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**DESCRIPTION:** These programs take current COBOL programs as input with a transaction file of old data names corresponding with new data names and creates data names. This allows self documentation and creates consistency within all programs using the same files. Also simplifies program maintenance and the ability to ease into the data base concept.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Two disks or three tapes

**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 05 0375

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**CPU MEMORY UTILIZATION** **ARI**

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**DESCRIPTION:** A two program subsystem which provides the user with a set of graphs which illustrate the utilization of OS/2000 user memory. The source data for the reports is extracted from the OS/2000 system file "LOGOS/200". All data on the 'LOG' file is processed, thus each execution of the job provides a report package of all activity on the file. Accompanying the graph(s) is a job statistics report which shows detailed job accounting data for each 'job' record which was processed. Each vertical column on the graph depicts the activity which occurred in that 6-minute time slot; each horizontal line represents 4K; each page shows a twelve hour time period. Each letter (A through F) indicates the partition in which the activity occurred. By examining the graph for a particular time period the user can:

- Determine high or low utilization
- Determine what particular job (or jobs) was run by cross-referencing the job statistic report with the time and partition letter

Probable CPU saturation is indicated by an asterisk (\*) at the very top of a vertical column. This condition exists when the memory used by jobs run in a 6-minute time period exceeds the maximum available; in this case 160K.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 48K of memory
- Disk
- Tape
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 05 0521

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**DATAPROB** **ARI**

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**DESCRIPTION:** DATAPROB is not intended to replace existing programming languages but to enhance the procedure of obtaining and massaging information that already exists within most computer installations. Benefits are derived immediately through the report generation facility which can turn an inexperienced employee into a production programmer for those often required quick reports that cause interruptions to implementation of scheduled systems. Through DATAPROB's selective dump capabilities, a user can specify those records that are suspects and permit the program to ignore all others, thus resulting in considerable reduction in paper costs and time spent analyzing large cumbersome reports and listings. In addition to having data in readable form, experienced programmers would have readily available a means of creating original files, balancing, duplicating, deleting, purging, separating and/or merging data. Management can realize immediate benefits through the quick turnaround of requests due to the elimination of compiling and cataloging of the programs required to satisfy those requests. Default values, abbreviations, and concentration of elements provide for ease of modification and/or correction, without the requirement of machine time. Multiple files in the in, out, or update mode can be tape and/or disk with access sequential, index sequential, and/or random along with cards and printing.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 or Series 60 Level 64 central system with 20-32K of memory
- Up to four disks (optional)
- Up to eight tapes (optional)
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 or OS/2000**PROGRAMMING LANGUAGE:** Assembler**DOCUMENTATION:** Manuals are available upon request.**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Maintenance option available.**I.D. NUMBER:** 5 05 0363

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**DATA GENERATOR PRO/TEST****ARI**

**DESCRIPTION:** The PRO/TEST Data Generator creates data for programs written in COBOL, BAL, PL/1, DL/1, RPG and other languages. Data generation is not dependent on the availability of a program or the schedule of a programmer.

It is a comprehensive data generator that creates fixed or variable length records in sequential, indexed sequential. Fields can contain single or multiple record formats in any sequence. Fields and records can be generated conditionally.

It's easy to learn and use. Parameters are concise and understood by non-programmers, auditors, programmers and analysts. Documentation is comprehensive with many examples. It documents the testing process. PRO/TEST reports provide a record of conditions tested and a complete set of statistics and batch totals. PRO/TEST is efficient. It needs no work files and executes at I/O speed.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory.
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** OS-Mod 2 and up**PROGRAMMING LANGUAGE:** Easycode**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Maintenance available**I.D. NUMBER:** 5 05 0513

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**FILENAME (IDENTIFIES DISK FILE NAME) ARI**

**DESCRIPTION:** FILENAME is an easycode subprogram which can be called by any root program to find the name of the disk file currently assigned to a particular MRX or MWX where  $0 \leq x \leq 7$ .

If a program written in Honeywell 2000 COBOL is using a disk file, the program must have the name of the disk file in the VALUE of ID area before the system will let the COBOL program use the file. Thus, it is necessary either to know the name of the disk file when the program is written or to feed the program a parameter at run time specifying the name of the disk file.

With FILENAME, neither of these alternatives is necessary. FILENAME will find the name of the disk file currently assigned to a particular MWX or MRX and pass the file name back to the calling program. By using FILENAME a Honeywell 2000 COBOL program can use whatever disk file is assigned in the ASGN card.

FILENAME runs under OS2000 and there are versions of the program available for release 3 and release 4.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 3K of memory
- One disk
- Card reader

**OPERATING SYSTEM:** OS/2000**PROGRAMMING LANGUAGE:** Easycode**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 05 0406

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**FINDASGN (FINDS DEVICE ASSIGNMENT) ARI**

**DESCRIPTION:** FINDASGN is an Easycode subprogram that can be called by any COBOL or Easycode root program to find which physical device has been assigned to a particular logical MWX. The root program passes the logical assignment (i.e., MW0 thru MW7) to FINDASGN. FINDASGN, in turn, will pass the physical device assigned back to the root program.

For example, if a program needs to issue a message to the operator to mount a tape on the tape drive assigned to MW1, the program will call FINDASGN passing to it "MW1." FINDASGN will pass back the physical device assigned to MW1, for example B2. The program can then issue the message "MOUNT TAPE x ON B2."

FINDASGN runs under the OS/2000 operating system and there are versions of the program available for release 3 and release 4.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 1K of memory
- One disk

**OPERATING SYSTEM:** OS/2000**PROGRAMMING LANGUAGE:** Easycode**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 05 0404

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**JOB/COMPUTER UTILIZATION ARI**

**DESCRIPTION:** This system employs the output from \*LOGOS/200 to present in summary form utilization by job or by date for OS/2000 users. Data transcription time is estimated and added separately. Overhead time is also calculated plus a number of options for special calculations. A master file is updated daily and the reports are run monthly. Reports can be used to allocate user costs or to track peak load times.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 32K of memory
- Two tapes
- Console
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Operating instructions, system flow, use instructions, sample reports, set of JCL**SHIPPING MEDIUM:** 1 600-ft tape source**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 4 05 0549

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**MAILING LIST ARI**

**DESCRIPTION:** This package is an easy-to-administer and easy-to-run mailing label system. The system uses a combination of several unique areas of each member's data to identify each member and, therefore, enables the user to maintain this file. All files reside on tape and all maintenance is in the form of the standard 80-column card. The system output may be either a printout,  $3 \times 5$

cards, or 5-up pressure-sensitive labels. All of these reports are available in alpha or zip code sequence with zip code breaks noted on the labels for bulk mailing.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 16K of memory
- Printer
- Disk
- Three tapes
- Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** MSR COBOL

**SHIPPING MEDIUM:** One tape (source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 05 0197

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**OPERATIONS/DATA  
ENTRY MANAGEMENT**

**ARI**

**DESCRIPTION:** This Documentation/Management System, based on one master file, called the job history file, contains a complete record of user information. The system serves as a backup for an installation's documentation. It produces 27 separate reports, such as:

- Operator and keypunch guide sheets
- Job requirement sheets
- Computer operations schedules
- Job/batch directories
- File labels
- Data entry schedules
- Report distribution listings
- File and data where-used listings

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Advanced programming and editing instruction features
- Card reader
- Printer
- Three tapes or disk drives

**OPERATING SYSTEM:** Mod 1 or OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Comprehensive, including program listings and system reference manual

**SHIPPING MEDIUM:** Card image tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Periodic program maintenance when required.

**I.D. NUMBER:** 5 05 0016

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**REPORT GENERATOR**

**ARI**

**DESCRIPTION:** In 24K, SLAT (Slow List & Total), driven by 5 to 50 object-time column-sensitive parameter cards, generates a report having up to seven control-break levels, (e.g., the employee, section, department, branch, region, and divisional level, within grand totals); each level having up to 13 totals; each total printing, in money or integer format, decade-synchronized in 10 or 20 print positions. If staggered printing is requested, then

the even-numbered totals at that level print on the current line and the odd-numbered totals print on the next line, permitting 20-character totals to be aligned under 10-character column headings. SLAT annotates each subtotal line by printing a level number, a 20-character title extracted from the heading table, and the old value of the 20 character control-break key.

An audit trail summary page having a fixed format is printed at the end of each copy of the report. It alerts the user to sort error, arithmetic overflow, nonnumeric add field, possible truncation, records read, records reported, minimum and maximum of any two fields (with user-specified or generic titles), the most records reported before a control break (perhaps salesperson having the most orders), the maximum value of each total during the report together with the corresponding value of the control-break key.

As many copies can be printed as there are addressee cards following the interpreter call card, and the addressee card can be printed in the top margin of each page, as part of a line that shows the SLAT revision number and the run date.

Speed is two report lines per second; the same report can be generated twice as fast by a noninterpretive 2000 card 24K COBOL program. But the SLAT report can be coded by a novice programmer in one day; the COBOL report takes an experienced programmer several days. If a report is short enough to print in a few minutes, is redesigned occasionally, or is printed rarely, then SLAT programming ease may be preferable to COBOL printing speed.

SLAT consists of a translator program, an interpreter program, a file for the parameter cards, and a file for the data to be reported. These reside on one disk pack together with the sort utility and its work file. The user must build this pack, but the author furnishes a listing of a 90-card deck used to build a Type 259 pack. Or SLAT can be used without disk.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 24K of memory
- Two disks (type 259, 10 surface 9.2 MB)
- Optional tape
- Printer
- Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL C

**DOCUMENTATION:** User's guide, test report, test run deck

**SHIPPING MEDIUM:** Card image tape or cards; source only.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 05 0332

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**RESCUE (MULTIPLE FUNCTION UTILITY)**

**ARI**

**DESCRIPTION:** RESCUE is a general purpose utility program which can have cards and/or tape as input and cards or tape in addition to a listing as output. The program can provide the following applications:

- Printing and editing of data in any desired form, with optional headings for the printed items
- Reformatting of data records

- Arithmetic operations on data and constants
- Table look up operations
- Matching of multiple input records
- Summary of computed results
- Conditional logic

Any or all of the above functions can be done in a single execution of RESCUE. The entire program, including record length and blocking of files, is under parameter control. Use of RESCUE can significantly decrease the number of "one shot" programs which need to be written.

RESCUE runs under OS/2000 on release 3 and release 4.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 56K of memory
- Two tapes
- Card reader
- Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** EasyCoder

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**ID. NUMBER:** 5 05 0405

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**SERIES 60 LEVEL 64 COBOL-74** **HDS**

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**DESCRIPTION:** Level 64 COBOL-74 compiler is a language processor that operates under GCOS Level 64. This compiler conforms to major American National Standards Institute COBOL-74 specifications and supports all Level 64 peripheral devices.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk/tape (SCL1001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 COBOL-74 DATA COMMUNICATIONS EXTENSION** **HDS**

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**DESCRIPTION:** Level 64 Data Communications Extensions COBOL-74 include language elements conforming to Communications Task Group (CTG) standards. Level 64 COBOL-74 (SCL1001) is a prerequisite.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and tape (SCL1003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 FORTRAN** **HDS**

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**DESCRIPTION:** Level 64 FORTRAN is a high-level programming language utilized under GCOS Level 64 operation. It is an application oriented algebraic language that conforms to American National Standards Institute FORTRAN IV Standards. The Series 60 Level 64

FORTRAN Library (SCL1007) is a prerequisite as well as the Floating Point Instructions CP feature (CPF4901).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk/tape (SCL1006)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 FORTRAN LIBRARY** **HDS**

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**DESCRIPTION:** Level 64 FORTRAN Library is a complete set of subroutines that complement Level 64 FORTRAN by performing most common mathematical computations under control of GCOS Level 64.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and tape (SCL1007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 RPG** **HDS**

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**DESCRIPTION:** Level 64 RPG is a high-level report program generation language which is utilized under GCOS Level 64 operation. Following accepted industry standards, it produces report programs from file and report specifications furnished by the user.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk/tape (SCL1011)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 SORT/MERGE** **HDS**

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**DESCRIPTION:** Level 64 Sort/Merge operates under control of GCOS Level 64 and sorts unordered files into a specified sequence or combines several ordered files into one file in the same sequence.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and tape (SCU1003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 200/2000 OS/2000** **HDS**

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**DESCRIPTION:** OS/2000 is a multiprogram operating system that supports the power of Honeywell's Medium Scale Series 2000 central processors. It allows concurrent job stream processing in up to ten dynamically assigned, hardware-protected partitions of main memory. The system manipulates the number of partitions, as well as the size

of each partition in order to obtain maximum efficiency in memory management. It also allows up to five data transcription routines to run simultaneously; in this manner as many as 15 independent operations can be performed simultaneously.

OS/2000 provides four language translators: American National Standard COBOL (Full 68 standard less report writer), FORTRAN, Easycode Assembler and Easywriter interpretive management report language. It has a full range of utilities for disk data management, program development support and other utility functions.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 65K of memory
- All-disk or tape/disk required
- Card reader
- Printer
- Console

**OPERATING SYSTEM:** OS/2000

**DOCUMENTATION:** Concepts and Characteristics of OS/2000 (AH21)

**SHIPPING MEDIUM:** Disk/tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 200/2000 TOTAL 4H/TOTAL CENTRAL LICENSE**

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**DESCRIPTION:** TOTAL is a program product that provides a data base management capability, functioning with a host language (COBOL, Easycode, FORTRAN). It provides the input/output interface with the random access disk device. It functions in two ways:

- As a descriptor language (DDL) defines files, records, fields and interrecord/file relationships
- As a data management language (DML) allows the programmer to implement and maintain these records and relationships

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 49K (Mod 1 MSR) or 65K (OS/2000) of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** Mod 1 (MSR) or OS/2000

**PROGRAMMING LANGUAGE:** Easycode

**DOCUMENTATION:** Product Brief (AJ62)  
Sales Brochure (AJ92)  
User Manual (AB65)

**SHIPPING MEDIUM:** TOTAL 4H (SPD0002)  
TOTAL Central (SPD0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**Notes:**

1. On fully paid-up licenses, software maintenance updating charges are invoiced annually commencing on year after delivery. This fee is not applicable to monthly license fee customers.

2. License option credits (LOC) of 50% of the first six months of monthly license fees paid may be applied toward conversion to a fully paid-up license. Customer may elect to convert to a fully paid-up license at any time during the license term.
3. For SPD0001, new users are provided eight worker-days of support within the first sixty days after delivery. For users upgrading from TOTAL 4H, two worker-days' support is provided to be used within the first sixty days after delivery. Additional support is available at the current worker-day rate plus travel and lodging. If the customer has a fully paid-up license for TOTAL 4H, customer may be eligible, in accordance with current policy, for an upgrade allowance which can be applied toward a fully paid-up license fee for TOTAL Central.
4. For SPD0002, six worker-days' support to be utilized by customer within first sixty days. Additional support is available at the current worker-day rate plus travel and lodging.

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**SERIES 200/2000 TOTAL INTERACTIVE QUERY LANGUAGE (IQL) LICENSE**

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**DESCRIPTION:** TOTAL IQL is a generalized software system that allows users at certain cathode ray tub terminals to extract information from a TOTAL Central data base using an English-like information retrieval language. The system consists of two major components:

1. The data directory module allows for assignment of security codes and additional reference names to the various data elements of the data base.
2. The information retrieval language is a freeform language allowing users to select, calculate, summarize, and report data stored in a TOTAL Central data base.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system
- DATANET 2000 FNP
- Series 7700 VIPs or 765-775-785 VIPs

**OPERATING SYSTEM:** OS/2000

**DOCUMENTATION:** Product Brief (AS64)

**SHIPPING MEDIUM:** (SPD0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 2000 TRANSACTION PROCESSING FDA**

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**DESCRIPTION:** This transaction processing capability provides control over transactions processed in an OS/2000 communications environment. It simplifies user entry into a transaction-oriented communications environment by controlling the loading of user-written transaction processing modules. Each module (or TPUR) (written in COBOL or Easycode) is loaded when a transaction requiring its services enters the system. TPURs are loaded one at a time based on transaction entry.

Series 2000 Transaction Processing provides extremely fast 8-bit roll/in, roll/out of user modules, can interface to standard user-written I/O modules or to TOTAL data

base. It optionally logs transactions, provides transaction "context" maintenance tables, and optional security checks on all transactions.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system
- DATANET 2000 FNP or 286 Multiline Controller or 281 Single Line Controller
- Card reader
- Printer
- Tape
- Disk

**OPERATING SYSTEM:** OS/2000

**DOCUMENTATION:** Product Brief (AS07)  
User's Guide (AS52)

**SHIPPING MEDIUM:** Tape/disk (SPJ6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**TAPE LIBRARY** **ARI**

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**DESCRIPTION:** Logs to disk file all header information from tapes as created by COBOL programs. Information includes reel sequence number, date and time of file creation, program creating file, and logs status of output; i.e., to save or scratch file.

A capability exists to log tapes created by programs other than COBOL, disk copy, disk sort, etc. A listing program and a routine to display library on CRT is also available. No JCL changes are needed to implement it other than a logical sense switch setting that is used to determine to what area to log the tape. This could be eliminated at user's discretion.

**MINIMUM HARDWARE REQUIREMENTS:**

No memory increase in user program or compiler.

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 05 0027

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**TSHARE (TIME SHARING SERVICES)** **ARI**

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**DESCRIPTION:** TSHARE is a communications package written to send and receive from time-sharing services. The program will run under the Honeywell OS/2000 operating system with a DATANET 2000 Front-End Processor.

The program transmits card images and can receive print and/or punch output. It is not necessary to indicate in advance which type of output will be sent to TSHARE. If the file is a punch file, it will be written to the SPU and if the file is a print file, it will be written to the SPR. The device assignments for the SPR and SPU are in Honeywell JCL.

To the time-sharing service TSHARE will appear to be an IBM 2780 with a 400 character buffer and the multi-record option operating in non-transparent mode. Horizontal tab control is not supported.

TSHARE presently communicates with time-sharing services using a UNIVAC 1108 and an IBM 370. The capability

to communicate with time-sharing services using other computers can be added.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 200/2000 central system with 20K of memory
- One disk
- DATANET 2000

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 5 05 0407

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**MAILING LIST** **ARI**

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**DESCRIPTION:** This package is an easy-to-administer and easy-to-run mailing label system. The system uses a combination of several unique areas of each member's data to identify each member and, therefore, enables the user to maintain this file. All files reside on tape and all maintenance is in the form of the standard 80-column card. The system output may be either a printout, 3 x 5 cards, or 5-up pressure sensitive labels. All of these reports are available in alpha or zip code sequence with zip code breaks noted on the labels for bulk mailing.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 16K of memory
- Printer
- Disk
- Three tapes
- Card reader

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 4 05 0621

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**ITDEF DATA STRUCTURE GENERATOR** **ARI**

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**DESCRIPTION:** ITDEF is a low-overhead utility that provides COBOL-like data structures for standard FORTRAN-IV programs. It increases development programmer efficiency and productivity through automatic code generation, thus reducing human error and easing the detection of logic errors that occur. It also increases maintenance programmer efficiency and productivity; reduces object program size and storage requirements by replacing array references with scalars; increases program execution speed with many compilers, especially in input/output bottlenecks; replaces array references with scalars and replaces long input/output lists with single references; and produces documented programs. Use of ITDEF imposes an orderliness on the programming process that helps to produce cleaner code.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 20K of memory
- Card image reader
- Card image output
- 80-column printer

**PROGRAMMING LANGUAGE:** FORTRAN-IV

**SPECIFIC PROVISIONS:** License only. Money-back guarantee that ITDEF will install on licensee's machine. Three-year maintenance included in license agreement.

**I.D. NUMBER:** 5 03 0374

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**COBOL STANDARDIZER**

**ARI**

**DESCRIPTION:** This system is designed primarily to operate on existing COBOL programs, particularly those which are old, overly large, poorly written, poorly documented and/or poorly maintained. It can be of great value in the following instances:

- System optimization, standardization and/or documentation effort
- Hardware or software conversions
- For development of new applications

For users with a limited number of programs needing standardization a mail-in "COBOL Laundry" Service is available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 64 central system with 64K of memory
- Tape
- Printer

**OPERATING SYSTEM:** GCOS Level 64

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 4 05 0665

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**SERIES 60 LEVEL 64  
GCOS BASIC SYSTEM**

**HDS**

**DESCRIPTION:** The Level 64 GCOS Basic System is the control software available for all models of Level 64 systems. It includes the following integrated capabilities: supervisor, job/step management, device/peripheral and error control, basic file and device management, system and data security, initial system load and shut down, system input reader, system output writer, job accounting, static linker, program checkout facility, library maintenance facility, catalog, remote operator facility, and basic interactive operation facility (IOF).

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and tape (SCS1100)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
MESSAGE ACCESS METHOD  
(COBOL COMMUNICATIONS TASK GROUP/  
MESSAGE CONTROL SYSTEM INTERFACE) HDS**

**DESCRIPTION:** The Message Access Method is the control software responsible for the queuing and dequeuing of messages passing between terminals, via terminal/network support software, and user programs written in Level 64 GCOS COBOL-74. It provides the direct Message Control System interface to the COBOL program as required for

American National Standards Institute 1974 COBOL standards for the Communications Module (Level 1). Prerequisites are: SCC1100, SCL1001, and SCL1003.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and tape (SCC1001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
TDS/64 STANDARD PROCESSOR HDS**

**DESCRIPTION:** The TDS/64 Standard Processor is a high throughput, multi-tasking transaction processing subsystem which provides shared multi-accessing control of UFAS files from two or more concurrent transactions. The user transaction processing routines (TPRs) are written using standard Level 64 GCOS COBOL-74. Prerequisites are SCC1100, SCL1001, and SCL1003.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and tape (SCC1033)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
BASIC TERMINAL/NETWORK SUPPORT HDS**

**DESCRIPTION:** The Basic Terminal/Network Support is the physical input/output software that controls operation of the hardware and firmware of the data communications controller(s). It passes messages to and from the Message Access Method and/or the TDS/64 — Standard Transaction Processor.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCC1100)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
HOST FILE TRANSCEIVER FOR LEVEL 6 HDS**

**DESCRIPTION:** The Host File Transceiver resides in the Level 64 to communicate with the Level 6. The GCOS 6 Honeywell Communications and File Transfer Facility (SHC907-) is a prerequisite for the Series 60 Level 6.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCC6002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.



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**SERIES 60 LEVEL 64  
BASIC FILE ACCESS SYSTEM HDS**

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**DESCRIPTION:** The Basic File Access System provides for standard user access from higher level languages, such as COBOL-74, to industry-standard tape, cassette and disk sequential files and additionally indexed-sequential and random disk files.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCD1001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
UNIFIED FILE ACCESS SYSTEM HDS**

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**DESCRIPTION:** The Unified File Access System provides user access to native GCOS sequential, indexed, and relative UFAS file organizations. It provides all the support necessary for Level 64 COBOL ANS 74 language processor to comply with Level 1 of the American National Standards Institute 1974 COBOL standards for sequential, indexed, and relative access.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCD1004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
SERIES 200/2000 FILE ACCESS SYSTEM HDS**

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**DESCRIPTION:** The Series 200/2000 File Access System provides the capability for a Level 64 COBOL-74 program to access standard Series 200/2000 sequential tape and disk files as well as indexed sequential and random disk files on volumes which are in Series 200/2000 volume format.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCD1007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
INTEGRATED DATA STORE  
(I-D-S/II) — ENTRY HDS**

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**DESCRIPTION:** I-D-S/II — ENTRY is an entry-level data base management language facility to describe data and record relationships, implement them and maintain them in a random access environment. It represents an implementation of a subset of the CODASYL Data Base Task Group (DBTG) recommendations.

Prerequisites are SCL1001 and SCU1004.

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**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCD1011)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
DATA MANAGEMENT-IV (DM-IV) — ENTRY HDS**

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**DESCRIPTION:** DM-IV Entry is a communications oriented data management/transaction processing product. It is functionally equivalent to a combination of I-D-S/II Entry and TDS/64 Standard Processor providing the added capability of controlled, shared access to an I-D-S/II integrated data base by two or more terminal users who are concurrently executing transactions. Prerequisites are SCC1100, SCL1001, SCL1003, and SCU1004.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCD1012)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
COBOL REPORT WRITER HDS**

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**DESCRIPTION:** The COBOL Report Writer is an optional extension to SCL1001, Level 64 COBOL-74. It is an implementation of the Report Writer module of the 1974 American National Standard for the COBOL language. It provides a facility for more concise and specialized report structuring and description via the new REPORT SECTION within the DATA DIVISION. It provides for production of the report by special language statements in the PROCEDURE DIVISION. Upon execution of these statements the report is automatically produced by the Report Writer Control System according to the specifications coded in the REPORT SECTION. Level 64 COBOL-74 (SCL1001) is a prerequisite.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCL1008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
SERIES 100 INTEGRATED PROGRAM MODE HDS**

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**DESCRIPTION:** Series 100 Integrated Program Mode is the GCOS software which supports and enables the use of the system feature, CPF4924 or equivalent, in order to execute Series 100 programs concurrently with native GCOS Level 64 programs and activities. The Series 100 programs can be executed under control of the ETDS or EDOS operating systems with little or no changes required.

SCM1100 and SCM1200 are mutually exclusive.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCM1100)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SERIES 60 LEVEL 64****SERIES 200/2000 INTEGRATED PROGRAM MODE****HDS**

**DESCRIPTION:** Series 200/2000 Integrated Program Mode is the GCOS software which supports and enables the use of system feature, CPF4925, 4945 or their equivalent, in order to execute Series 200/2000 programs concurrently with native GCOS Level 64 programs and activities. The Series 200/2000 programs can be executed under control of the Mod 1 (MSR or TR) or OS/2000 Operating Systems Software, with little or no changes required.

SCM1100 and SCM1200 are mutually exclusive.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCM1200)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SERIES 60 LEVEL 64****INTERACTIVE LIBRARY MAINTENANCE****HDS**

**DESCRIPTION:** Interactive Library Maintenance runs under control of the GCOS Basic System (SCS1100). In conjunction with the basic interactive operation facility (IOF) function of the GCOS Basic System, it allows a terminal user to interactively execute all commands of the library maintenance facility of the GCOS Basic System which apply to source libraries with the exception of the "edit" command. BTNS (SCC1100) is a prerequisite.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCP1001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SERIES 60 LEVEL 64****INTERACTIVE TEXT EDITOR****HDS**

**DESCRIPTION:** The Interactive Text Editor runs under control of the GCOS Basic System (SCS1100). In conjunction with the basic interactive operation facility (IOF) function of the GCOS Basic System, it allows the terminal user to interactively execute the "edit" command of the library maintenance facility of the GCOS Basic System. This provides for various line and string manipulation facilities to modify contents of a source library member or to create a new member. SCP1001 is a prerequisite.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCP1001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SERIES 60 LEVEL 64****DATA BASE ADMINISTRATOR AIDS SET****HDS**

**DESCRIPTION:** Data Base Administrator Aids Set specialized utility services for aiding in the creation, administration, control, validation, and maintenance of an I-D-S/II Data Base. This product is a prerequisite to SCD1011 and/or SCD1012.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCU1001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SERIES 60 LEVEL 64****HFAS FILE MAINTENANCE UTILITY SET****HDS**

**DESCRIPTION:** The HFAS File Maintenance Utility Set provides, in the native GCOS environment, various file-oriented utility functions for HFAS files. Functions include: file space management, file creation, printing of the contents of all or a portion of a file. It supports all HFAS files on disk, and where appropriate, on tape or punched cards.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCU1006)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SERIES 60 LEVEL 64****NATIVE VOLUME UTILITY SET****HDS**

**DESCRIPTION:** The Native Volume Utility Set provides the following functions for volumes using native GCOS Level 64 volume formats: preparation of a new volume for use, compare contents of two volumes, copy contents of one volume to another, volume save/restore, create a work volume, obtain description of a volume's status.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCU1007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SERIES 60 LEVEL 64 BFAS/UFAS****FILE MAINTENANCE UTILITY SET****HDS**

**DESCRIPTION:** The BFAS/UFAS File Maintenance Utility Set provides the user of BFAS and UFAS files the following file utility functions: file space management, file

create, file print, file save/restore, file renaming, file status checking.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCU1008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
SERIES 200/2000 VOLUME UTILITY SET HDS**

**DESCRIPTION:** The Series 200/2000 Volume Utility Set runs under control of the native GCOS Level 64 Operating System and provides a variety of utility functions on volumes which are in the Series 200/2000 volume format. The functions include preparation of a new volume for HFAS file use, listing contents of a disk volume directory, dumping all or a portion of a volume.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCU1009)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
SERIES 200/2000 COBOL TO GCOS  
LEVEL 64 COBOL TRANSLATOR HDS**

**DESCRIPTION:** The Series 200/2000 COBOL to GCOS Level 64 COBOL Translator is a generalized source language translator which provides translation and diagnostic capability for the following Series 200/2000 COBOL dialects: Mod 1 (MSR) ANS, OS/2000 ANS, Mod 1 D, H, F, & I. Its output is a COBOL source program which can be input to the GCOS Level 64 COBOL ANS 74 Language Processor.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCV1000)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
SERIES 200/2000 FILE TRANSLATOR HDS**

**DESCRIPTION:** The Series 200/2000 File Translator translates Series 200/2000 standard tape and disk files to BFAS or UFAS files, providing record and field level editing capabilities. Tape file types handled include both odd and even parity BCD standard formats.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCV1005)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
SERIES 100 COBOL TO GCOS  
LEVEL 64 COBOL TRANSLATOR HDS**

**DESCRIPTION:** The Series 100 COBOL to GCOS Level 64 COBOL Translator translates Series 100 COBOL source programs into Level 64 COBOL source language while providing appropriate diagnostics where necessary because of syntactic and/or semantic incompatibilities.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCV1011)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
SERIES 100 FILE TRANSLATOR HDS**

**DESCRIPTION:** The Series 100 File Translators translates files held in a Series 100 environment, EDOS or ETOS, to Level 64 native format (BFAS or UFAS) as well as the converse operation, thus providing an orderly file exchange between the Series 100 environment and the Level 64 native environment.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCV1012)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 SYSTEM/3  
VOLUME AND FILE TRANSLATOR HDS**

**DESCRIPTION:** This product will translate the contents of IBM System/3 volumes and files which have been transcribed onto System/3 back-up tape media into native GCOS BFAS/UFAS files (sequential, relative or indexed) or, in the case of source program files, into GCOS source libraries.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCV1014)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64  
RPG II TO LEVEL 64 RPG TRANSLATOR HDS**

**DESCRIPTION:** This product translates source programs written in System/3 RPG II into Level 64 RPG source language. Input can be from a GCOS input enclosure, GCOS library or a sequential file in System/3 same utility format. Output is placed in a GCOS source library.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCV1016)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64**

**360/370 COBOL TO LEVEL 64**

**COBOL TRANSLATOR**

**HDS**

**DESCRIPTION:** This product translates source programs written in various 360/370 DOS and DOS/VS dialects of COBOL (both ANS and Non-ANS) into Level 64 COBOL. Input can be on cards or tape. Outputs are the translated source language on a GCOS library and appropriate diagnostics, where necessary because of a semantic and/or syntactic incompatibilities.

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 64 basic system (SCS1100)

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCV1020)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

# **Section 4**

**SERIES 600/6000**

**SERIES 60 LEVEL 66**

**SECTION 4**  
**SERIES 600/6000, SERIES 60 LEVEL 66**  
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# Section 4

## SERIES 600/6000

## SERIES 60 LEVEL 66

### FINANCIAL MANAGEMENT

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#### ACCOUNTS PAYABLE

HDA

**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Payable system can be used in manufacturing, distribution, banking, government, and medical environments, service bureaus, retail businesses and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

The Honeywell Series 60 Level 66 Accounts Payable System maintains an accurate record of users' obligations for the purchase of materials and services on credit. It is designed to increase profit by maximizing available discounts through timely and accurate payments. The system's many outstanding features enable you to get the most out of your working capital:

- Keeps users informed of future payment requirements. Through both short- and long-term cash forecasting it maintains complete statistics on the volume of business done with each vendor, providing with valuable information when negotiating price breaks.
- Automatically calculates discounts and due dates, yet allows users to override the calculation when necessary.
- Includes expense distribution to an unlimited number of ledger accounts.
- Permits partial payments and last minute changes in the date of payment.
- Maintains an accurate record of outstanding liabilities and provides sufficient detail to maximize discounts.
- Makes positive identification of invoices paid with each draft.
- Provides accurate and unlimited expense distribution.
- Permits and correctly records partial payments.
- Provides reconciliation of cancelled checks.

Features include:

- Automatic calculation of discount and due dates when invoice entered into system
- Separate terms may be maintained for each vendor
- Unlimited expense distribution and balancing to ensure accuracy
- Cash Requirements Reporting prior to issuance of checks
- Payment of invoice may be withheld, or partial payments made
- One check issued per vendor; may include many invoices
- Payments may be made directly to a factor
- Remittance advice attached to each check
- Check print restart procedure
- Check reconciliation provided

- Automatic reinstatement of invoices if check is cancelled
- Provision to override any computer calculated action
- Record of discounts lost
- Statistics provided on invoices due, but not paid
- Aging of active invoices

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 66 central system with minimum memory
- Disks
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure (AS45)

Product Brief (CC22)

Financial Management System (AL70)

Handbook (DG63)

**SHIPPING MEDIUM:** Discopy (AEF0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### ACCOUNTS RECEIVABLE

HDA

**DESCRIPTION:** This generalized Honeywell Series 60 Accounts Receivable System can be used in manufacturing, distribution, and medical (not hospitals) environments, local government, service bureaus, retail businesses and most of the sub-industries listed in this software catalog. This system is fully supported by Honeywell.

The Series 60 Level 66 Accounts Receivable System is designed to keep your cash flowing. It will enable tighter management control and will turn vital receivables, your largest liquid asset, into working capital as quickly as possible.

The Accounts Receivable System comes ready to install in your company with many preprogrammed reports and options to increase flexibility. It is a credit-oriented system with comprehensive tracking features to help control your outstanding accounts. And it is a cash management system with time-saving features to clear payments faster on open-item accounts. It is a system you can rely on for accurate, up-to-date receivables and credit information and controls year after year.

The Accounts Receivable System establishes and maintains an accurate history of your customer billings and remittances. It provides sufficient detail and audit trails to answer customer inquiries and produce meaningful statements and aids the collection activity by highlighting, as early as possible, the potential problem areas and trends. Accounts Receivable monitors past-due accounts so the credit department can organize and plan collection strategy and also provide management documents in sufficient detail so that they can be used as control tools.

The Series 60 Level 66 Accounts Receivable System operates in either balance-forward or open-item modes.

Features include:

- Open-item and balance-forward processing
- Immediate installation of system; written in COBOL and ready to use



- Special reports record payments and provide current credit information
- Interface with Billing and General Ledger
- Cycling of statements levels the workload
- Self-generation of control figure showing total receivables due

Open-item processing features:

- Authorized terms and discount maintained in each customer's record
- Automatic calculation of discount, last day of discount and net due date for each invoice
- Automatic cash application minimizes clerical effort
- Balances payments, including discounts
- Flags late discounts
- Maintains bill-to, ship-to, or sold-to address for each customer
- Provides automatic write-off of small discrepancies and prepares journal entry

Balance-forward processing features:

- Handles either 30-day or revolving accounts
- Several methods to calculate service charge
- Shows sales as discrete items on current statement and automatically applies standard transaction descriptions to statements
- Uses either due date or sale date as basis for aging

Credit and collection features:

- Immediate flag when customer's credit is exceeded
- Special codes allow Credit and Collection to enter control information
- Aging can be run in backward or forward modes
- Choice of variable periods of aging
- Customer account inquiry provides printout of all information in customer's record
- Credit Balance Report identifies customers with credit balance
- Credit Analysis Report lists customers who are close to or in excess of credit limits

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with minimum memory
- Disks
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure AS47

Product Brief (CC21)

Financial Management System (AL70)

Handbook (DG64)

**SHIPPING MEDIUM:** Discopy (AEF0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**FINANCIAL INFORMATION AND CONTROL SYSTEM REFERRAL**

**DESCRIPTION:** The Financial Information and Control System allows a bank to select and incorporate its own philosophy of accounting and reporting.

The system provides control over an institution's financial books and reports information showing the financial position of a bank or holding company for decision making

as well as to comply with regulatory requirements. The system reduces peak workloads at the close of each accounting period; produces information to analyze the profitability of each product and service provided by the bank; distributes overhead and service expense to profit centers, projects, and banking functions to assess profitability; provides various methods of transferring charges and credits between products or profit centers for funds provided and used; provides customer profitability measurement and compares the efficiency of managers to standards.

To meet the specific requirements of financial institutions the system is divided into four modules:

- General Ledger Accounting Module
- Budgeting and Planning Module
- Responsibility Reporting Module
- Profitability Accounting Module

The system produces various edit, and special purpose reports.

Developed for financial institution use, it is appropriate for unit banks, banks with statewide and limited radius branching, state and national banks as well as one-bank and multibank holding companies (with nonbanking as well as banking subsidiaries) and servicing of customers and correspondents.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Furnished with the system.

**SHIPPING MEDIUM:** System furnished by Management Science America, Inc.

**ORDERING PROCEDURE:** Contact Marketing Manager, Financial Management Systems MS K30, Honeywell Information Systems Inc., P.O. Box 6000, Phoenix, AZ 85005

**SPECIFIC PROVISIONS:** Price includes source programs, documentation, on-site demonstration, and proof step running to ensure that the system is in good operating condition. One week user training and one year maintenance and warranty are included in the price.

**ACCOUNTS RECEIVABLE SYSTEM F FDA**

**DESCRIPTION:** This application is an adaptation of Accounts Receivable F that was developed for Series 200/2000 and successfully installed in many accounts. The system operates in a multiclient environment and processes both balance-forward and open-item modes of accounts receivable. Ages up to six periods. Credit analysis report provides credit data on customer accounts. Operating reports are provided to support the accounting function and several reports such as the List Active Item File and the List Customer Master File are available to assist credit management. Features include:

- Both open-item and balance-forward accounts receivable processing
- Processing multiple notes receivable charges

- Processing subsidiary account data within corporate and branch structures
- Complete line of operating and credit oriented reports
- Input verification and transaction control
- Standardized transaction input
- Maintenance of customer credit history information
- Prompt payment discounts
- Mailing codes for statements
- Balance-forward with several optional methods

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 24K of memory
- Disk storage with 424 links
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (AS95)

**SHIPPING MEDIUM:** Master SAVE Tape (AEF6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 24 months.

**Note:**

Upon completion of the 24-month period under the "24 month paid-up license" alternative, customer will have a fully paid-up license to use the program product.

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**FINANCIAL PLANNING SYSTEM      REFERRAL**

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**DESCRIPTION:** This is a complete financial modeling system capable of handling the simplest to the most sophisticated corporate modeling situations. The system is not preprogrammed, thus accommodating any model the analyst desires. Complex financial consolidations, long-range strategic analysis, medium-term operations planning, and short-range budget analysis can be performed. The modeling system is designated with a modular structure that permits easy system expansion. Powerful capabilities allow input of all or selected parts of data files in user controllable formats. Consolidations can be made to an unlimited number of levels.

The Financial Planning Simulator enables the manager in interactive mode to initiate "what if" questions to assess varying situations with an immediate response. These answers might show the impact of a proposed operational change in cash flow, income statement, balance sheet, product schedule, manpower schedule, or other aspects of the operation.

The movement of data between consolidation modules is easily controlled. A sophisticated report generator allows easy definition of report layouts. Modeling is a FORTRAN-compatible language with over 40 basic financial operations already defined for the user, e.g., return on investment, sinking fund, depreciation procedures, net present value. A Monte Carlo Simulation capability contains various probability distributions, e.g., normal, triangular, empirical. The simulator is written in FORTRAN and will interface with all FORTRAN software.

The system is useful in the areas of finance, marketing, operations, and administration. The applications of FPS are nearly unlimited; uses for this system can be found in

all aspects of a company's operating organization where financial and accounting implications are of concern.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** CGOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact Marketing Manager, Financial Management Systems MS K30, Honeywell Information Systems Inc., P.O. Box 6000, Phoenix, AZ 85005

**SPECIFIC PROVISIONS:** Available in batch or time sharing versions, or on DATANETWORK.

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**FIXED ASSET ACCOUNTING SYSTEM      ARI**

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**DESCRIPTION:** This multi-company system satisfies all IRS and SEC requirements. Its features include: corporate and tax books, ITC calculation and recapture, gain/loss calculations, insurance, depreciation projection, partial transfer and retirement. It has flexibility in sequence and content of reports. The system design leads to simple operation.

Optional modules can be purchased separately, and include: Asset Depreciation Range (ADR), full SEC Replacement Cost accounting, flexible Special Report Writer, extended General Ledger Interface module, and Optional Report Group including CIP, leased assets, and asset maintenance.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- One disk
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** One set of manuals provided including three volumes on the basic system, plus additional volumes for SEC replacement cost and the special report writer if these options are elected.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation, documentation and one year warranty provided.

**I.D. NUMBER:** 6 01 0556

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**FIXED ASSET DEPRECIATION      ARI**

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**DESCRIPTION:** This is a comprehensive system for tracking and analyzing fixed assets. The system permits the user to create and maintain a complete inventory file of fixed assets. In addition, it provides monthly reporting of/ or depreciation for all depreciable assets stored within the file. Asset type codes permit assets to be reported but not depreciated. It has separate depreciation calculations for book and tax purposes. The users specify three (or fewer) of five standard depreciation methods for both sets of calculations for each depreciable asset in file. The method giving the maximum depreciation is automatically selected by the system, and a shift is made from one depreciation method to another without user intervention. Detail and

summary expenses are captured, providing data for general ledger input for the user's general ledger system. A depreciation projection program simulates depreciation either over any 12-month (or shorter) period or on a five-year projection at annual increments. Education with comprehensive documentation are provided at no additional cost. An insurance module and replacement module are available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 24K of memory
- One disk (MSU 0402)
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 01 0505

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**FIXED ASSET SYSTEM**

**REFERRAL**

**DESCRIPTION:** This system maintains complete and comprehensive records for all fixed assets in a company. It elects the depreciation method and tax regulation that optimizes cash flow and handles replacement cost accounting as required in notes to financial statements. Seven methods of depreciation are utilized: straight line; sum-of-years digits; declining balance → 125% → STL; 150% → STL; 200% → STL; declining balance 200% SYD; straight percentage. Separate computations of book and tax depreciation are generated as required at either detail or summary levels. Book depreciation is automatically interfaced with a company's General Ledger system to facilitate the bookkeeping process.

The system provides projection capability for short-term budgeting or long-term planning and issues easy-to-follow reports at every processing stage. It revalues and summarizes asset inventory for insurance purposes and provides a variety of user-specified reports with an easy-to-use report generator. It also calculates gains and losses on asset retirement, including recapture under Sections 1245 and 1250.

The system allows a company to specify any valid combination of depreciation method and tax regulation, including the election to optimize both. It produces the following schedules:

- 3468 Computation of Investment Credit
- 4255 Tax from Recomputing a Prior Year Investment Credit
- 4626 Computation of Minimum Tax
- 4832 Class Life (ADR) System
- 5006 Guideline Class Life System
- 1120 U.S. Corporation Income Tax Return
- Schedule G Depreciation
- Schedule M-1 Book/Tax Reconciliation

This system is suitable for any company with a large number of fixed assets. If the company has been in existence for a number of years the system will completely audit and correct their existing records as well as maintain them accurately in the future.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Comprehensive documentation and source code provided.

**ORDERING PROCEDURE:** Contact Marketing Manager, Financial Management Systems MS K30, Honeywell Information Systems Inc., P.O. Box 6000, Phoenix, AZ 85005

**SPECIFIC PROVISIONS:** Price includes maintenance for the first year plus five days of direct assistance on-site by the software house.

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**GENERAL LEDGER**

**HDA**

**DESCRIPTION:** This generalized Honeywell Series 60 General Ledger System can be used in manufacturing, distribution, banking, and medical (including hospitals) environments, service bureaus, retail businesses and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

Honeywell's Series 60 Level 66 General Ledger System accepts only accurate information for processing. It provides a trial balance as a working document when needed and it accepts journal entries generated by any of your other accounting systems, thus eliminating human intervention between these systems and general ledger.

You use your present chart of accounts, format your financial statements and specify your own key ratios, but no programming is required.

Balance sheet, operating and income statements can be provided at several operating levels and a level by level budget comparison is also prepared.

Features include:

- Customer uses present chart of accounts and account titles
- Adapts to company's accounting year and periods
- Financial statements can be in exactly the same format as now received by management
- Twelve digit general ledger number
- Six digits of general ledger number provide hierarchy of seven responsibility levels
- Key business ratios specialized to customer requirements
- Impossible to enter invalid account numbers
- Rejects out of balance batches
- Provides printed journals for all entries
- Automatically reverses month-end accruals when necessary and permits entries to be made for future months
- Prints both detailed and summarized ledgers
- Provides budget capability and comparison to actual for both current month and year-to-date
- Budget figures may be changed at will
- Permits retroactive changes to previous accounting periods

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with minimum memory
- Disks
- Printer
- Card reader

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales Brochure (AS46)  
Product Brief (CC23)  
Financial Management System (AL70)  
Handbook (DG62)

**SHIPPING MEDIUM:** Discopy (AEF0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**GENERAL LEDGER****ARI**

**DESCRIPTION:** The system is adaptable and flexible to meet a wide range of user requirements. Features include:

- Comprehensive source data edits
- Integrated accounting with an audit trail using document and date
- A report writer with a wide range of retrieval and report generation capabilities
- Previous year comparison capabilities
- Availability of a budgeting system
- Ability to run trial balances before closing the books
- User controls for totals, account presentation and spacing
- Month-by-month history on a single report

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 32K of memory
- MSU0402 disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 01 0506

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**GENERAL LEDGER SYSTEM FOR  
GENERAL BUSINESS****REFERRAL**

**DESCRIPTION:** Financial responsibility and profitability reports all use a common data base. This system provides the means to handle each company's unique account structuring requirements. All necessary data manipulation techniques are available. The user defines informational needs, which may vary for each subsidiary or company in the corporation. A company can implement one module at a time, assimilating as much of the system as the resources devoted to the project can effectively handle.

The system was designed for large corporations but it may be applied to the relatively straightforward accounting and reporting requirements of smaller operations. The system meets the diverse processing demands of service bureaus. Currency conversion features are included.

The system is divided in the following five subsystems:

- General Ledger Accounting Subsystem
- Budget Subsystem
- Cost Allocation Subsystem
- Responsibility Subsystem
- Profitability Reporting Subsystem

Reports include:

- Control Reports — control or monitor detailed data and information entering the system or retained in report format. The system provides 31 preprogrammed General Reports.
- Custom Reports — provide flexibility in summarizing data and providing reports oriented toward the specific needs of management. Changes to existing reports can be made quickly through routine maintenance to data base linkage.

Custom tailored management reports and consolidations may be used to test "what if" conditions before they actually occur. Programming maintenance is eliminated for existing reports and the waiting period for new reports is dramatically reduced, since no programming is required.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system Level 66
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Supplied by vendor.

**SHIPPING MEDIUM:** System supplied by Management Science America, Inc.

**ORDERING PROCEDURE:** Contact Marketing Manager, Financial Management Systems MS K30, Honeywell Information Systems Inc., P.O. Box 6000, Phoenix, AZ 85005

**SPECIFIC PROVISIONS:** Price includes source programs, onsite demonstration and proof step running to ensure that the system is in good operating condition. One week user training and one year maintenance and warranty are included in the price.

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**PAYROLL****HDA**

**DESCRIPTION:** This generalized Honeywell Series 60 Payroll System can be used in manufacturing, distribution, banking, government, and medical (including hospitals) environments, service bureaus, retail businesses and most of the sub-industries listed in this software catalog. This application is fully supported by Honeywell.

The Honeywell Series 60 Level 66 Payroll System handles a wide range of business situations.

It effectively removes a major limitation in conventional payroll systems: voluntary deductions. The Honeywell system processes a large number of voluntary deductions for each employee and systematically provides the accounting and reporting necessary to support these deductions. It also efficiently handles multiple forms of compensation (hourly, salary, bonus, commission, etc.) and pay cycles (weekly, biweekly, semi-monthly, and monthly). Payroll tax updating has been simplified and no programming is required to get tax changes into the system.

The System computes gross pay using several compensation methods; it maintains, calculates, and deducts federal and state taxes and voluntary deductions; and prepares accurate payroll checks. Several rates can be used in

calculation of pay for each employee and payroll costs can be distributed to an unlimited number of cost centers. Government payroll tax requirements are met and an improved design of tax deduction algorithms is provided for easy maintenance. Each employee can have an unlimited number of deductions and several pay frequencies are provided. Check reconciliation is included with this system.

Features include:

- Each deduction can contain maximum or balance limit
- Numerous deduction cycles and methods of calculation included
- Priorities can be set for deductions
- Untaken deductions are listed and optionally may automatically be deducted at a later date
- Provides for tax free deductions and special one-time deductions
- Deductions may be overridden at any time
- Application of deductions provided as specified by user, e.g., bonds, stock
- Calculates federal and state taxes
- Computes company tax liability for disability fund and state and federal unemployment insurance
- System architecture permits addition of local taxes
- Employee may work in several states; separate tax record provided for each state
- New tax update system eliminates programming to maintain tax changes
- Payroll distribution (expense) automatically enters general ledger
- Labor Distribution Report shows wage expense and hours for each employee, distributed to many cost centers or projects
- Facilitates tighter control of payroll expense
- Weekly, biweekly, semimonthly, monthly pay cycles included; other cycles can easily be added by user.
- Identify up to 14 different earnings types and accumulates hours (units) for 7 of them
- Basic data available for job costing
- Allows multiple pay rates per employee
- Amount may be added to base amount in employee master file
- Recognizes and incorporates shift differential
- Computes overtime
- Processes advances and cash payments
- No time cards required for salaried employees
- Allows 16 voluntary deductions per employee
- Company permitted up to 99 different voluntary deduction types

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with minimum memory
- Disks
- Printer
- Card reader

**PROGRAMMING LANGUAGE:** COBOL

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Sales Brochure (AS48)

Product Brief (CC24)

Financial Management System (AL70)

Handbook (DG61)

**SHIPPING MEDIUM:** Discopy (AEF0004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIAL PROVISIONS:** Payroll Tax Update (AEF6004) should be ordered with this system

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**PAYROLL II SYSTEM**

**REFERRAL**

**DESCRIPTION:** The Payroll II System (PAY II) provides a payroll package that is custom generated for each user. With PAY II a user has the opportunity to input specific payroll, personnel, and management requirements and obtain in return a system responsive to those special needs.

PAY II allows the user to specify up to 99 earnings and deductions categories, as well as the calculation method and controls for each. A separate tax module, PHITAX, maintains tables for federal, state, and local authorities and performs tax calculations during the production run.

Personnel information includes such items as seniority lists, vacation accrual, insurance premiums, executive search, merit review schedules, United Fund contributions, and telephone directory lists.

In addition, PAY II can provide management with a meaningful analysis of labor costs by job. Both detailed and summary reports are available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 600/6000 central system with 48K of memory
- Three or six magnetic tape units
- Disk storage with 800 links
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact Marketing Manager, Financial Management Systems MS K30, Honeywell Information Systems Inc., P.O. Box 6000, Phoenix, AZ 85005

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**PAYROLL TAX MAINTENANCE**

**HDA**

**DESCRIPTION:** This is a payroll tax maintenance service to update federal income tax, FICA requirements, and state tax routines in the Series 60 Level 66 Payroll (AEF0004). Local payroll taxes are the responsibility of the user.

**SHIPPING MEDIUM:** Discopy (AEF6004) Updates sent direct to subscriber.

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**PAYROLL (PAY-RYTE)**

**ARI**

**DESCRIPTION:** The PAY-RYTE Payroll is a complete and flexible multi-company payroll system. It will process hourly and/or salaried employees with varying pay period frequencies in one pass. No detail input required to pay salaried employees. The system handles up to 99 pay categories such as regular, overtime, shift differential, holiday, vacation, sick, etc. It reports vacation, sick, and

holiday pay hours taken and remaining YTD. Manual checks, reversals, bank services, and labor distribution are handled as an integral part of reporting system. All required state and local taxes taken. A maximum of 99 user-assigned miscellaneous type deductions can be processed. Many optional payroll reports are included and a data link to PAS-RYTE is provided.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 48K of memory
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation support is included in the price. Tax maintenance is available as an option.

**I.D. NUMBER:** 6 01 0564

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**PERSONNEL ADMINISTRATION  
SYSTEM (PAS-RYTE)**

**ARI**

**DESCRIPTION:** The Personnel Administration System was developed in response to the ever increasing personnel record keeping and reporting requirements. Though low cost, it is a high powered multi-company employee information system. PAS-RYTE was designed strictly as a personnel system, with information links to the PAY-RYTE payroll system. PAS-RYTE features:

- User defined input formats and edits
- Chronological job/salary history
- Personnel file image and turnaround documents
- Salary administration guideline system
- Tickler file for benefit administration, etc.
- EEO summaries
- Mailing labels
- Alpha/numeric cross reference indices
- Pre-defined and custom generated reports, capable of extracting present and future government reports for OSHA, ERISA, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available. Installation support included in price.

**I.D. NUMBER:** 6 01 0563

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**RECEIVABLES MANAGEMENT  
SYSTEM**

**REFERRAL**

**DESCRIPTION:** The Receivables Management System is an open-item Accounts Receivable System for the requirements of trade receivables. It has been designed to make user interface easy, whether input transactions are prepared manually or generated from other computer systems.

It provides comprehensive edit and history reporting with aging analysis based on terms of sale, and provides both period-ending and past due statements. It prepares a complete analysis of customer's payment and purchasing trends and reports the user's total credit exposure.

The Receivables Management System handles centralized and/or decentralized receivables administration and calculates the cost of administering a customer's account. The user's dating and discount terms and payment discount policy are used by the system. Flexible processing cycles may be used and lock-box capability is incorporated. Advanced cash application is new and is an optional feature. System process magnetic tape from a lock-box bank. Also automatically selects and keys off individual and multiple invoices being paid.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 or Series 60 Level 66 with 48K of memory
- Disk storage (as required)
- Card reader
- Printer

**DOCUMENTATION:** User's Manual

Sales brochure and vugraph masters available on request from: Marketing Manager, Financial Management Systems, Industry Marketing

**SHIPPING MEDIUM:** System furnished by A-T-O.

**ORDERING PROCEDURE:** Contact Marketing Manager.

**SPECIFIC PROVISIONS:** The purchase price includes installation support and an excellent user's manual. Manual forms (for preparing input) are supplied. Under the terms of the agreement, Honeywell will not be paid any fees, and no finder's fee will be paid to Honeywell Marketing Representatives.

Vendor will provide marketing assistance to Honeywell at a charge only for reasonable travel and living expense and only upon the request of Honeywell Financial Industry Marketing. There will be no other charges for service. All charges will be paid by the Branch making the request. Request for services may be directed to the Marketing Manager, Financial Management Systems, MS K30, P.O. Box 6000, Phoenix, AZ 85005.

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**ACCOUNTS PAYABLE SYSTEM**

**ARI**

**DESCRIPTION:** The system can verify that a purchase order was issued and goods were received before accepting an invoice for payment. It will also match invoice price to ordered price, calculate price variance, and reject invoices with variances outside of specified limits. Discounts and optimum payment dates are calculated automatically. Variable check sorting allows use of signing/stuffing machines to facilitate processing of checks. An extensive interface to general ledger is included to account for: payables, checks paid, price variance, goods in transit, and goods received but not invoiced. Report writers, which allow the user to control content, frequency and sequence of reports, help reduce audit and research time. The system has been designed to operate in medium- to large-sized organizations and will accommodate multiple separate companies or multiple divisions within a single corporation.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- One disk

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Comes complete with documentation, user training, and installation support.**I.D. NUMBER:** 6 01 0559**ENGINEERING/TECHNICAL****AUTOMATIC DYNAMIC ANALYZER (ADA) FDA**

**DESCRIPTION:** ADA is a continuous simulation system that enables engineers to test dynamic systems, proposed product designs, and other physical phenomena at the early design stage. ADA is a problem-oriented differential equation solver and is easy and economical to use regardless of the size and complexity of the problem.

Approximately 35 simulation functions (routines) are available to compute the solutions to engineering design problems. Some of these functions are differential equation, polynomial, hysteresis, trapezoidal quadrature, and loop breaker.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 18K of memory
- Card reader
- Printer
- Disk file
- Tape unit
- Remote terminal

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** FORTRAN**DOCUMENTATION:** System User's Guide (DC94)**SHIPPING MEDIUM:** R\* Object Tape (AES6009)**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.**SPECIFIC PROVISIONS:** This is an unsupported product.**COORDINATE GEOMETRY (COGO) FDA**

**DESCRIPTION:** The Coordinate Geometry (COGO) System is a civil engineering program designed for use in the solution of geometric problems. It fills the needs of the experienced civil engineer, the novice, and the engineering professor in classroom use.

COGO can be used in various coordinate geometry areas or for such engineering problems as:

- Control, land, and right-of-way surveys
- Highway and interchange design
- Construction layout
- Bridge geometry

The engineer must express his problem in terms of a series of COGO commands. These commands describe basic civil engineering operations. Next, the data values (i.e., coordinate, angles, distance) required by the commands are entered. The program then computes and solves for all unknowns in a step-by-step operation. Each command is performed in the order of entry. Values needed by other commands in the series can be saved by the user.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system configured and equipped for time sharing

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** FORTRAN**DOCUMENTATION:** Reference Manual (AH94)  
Product Brief (DC96)

**SHIPPING MEDIUM:** Magnetic Tape (2 files) (AES0012)  
File 1 — COGO Programs (R\*)  
File 2 — Sample Problem

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product.

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**FLUID DYNAMICS SIMULATION** **ARI**

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**DESCRIPTION:** This program permits large-scale analysis of the steady state and transient fluid mechanical behavior of multitray counter flow exchange towers. The program is general in nature and well documented. It was developed for and used to analyze and predict the flow behavior in the first stage of a heavy water (deuterium oxide) production plant using the girdler-sulfide process. The simulation dynamically models the liquid and gas flows. Various tray geometries can be simulated with no programming changes. Tray-to-tray entrainment, liquid weeping, and foaming are included in the model.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN IV

**DOCUMENTATION:** Modeling correlations and techniques, computer program structure, user manual

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 04 0322

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**HICAP (CIRCUIT ANALYZER)** **ARI**

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**DESCRIPTION:** A complete analyzer tool using user oriented language to analyze circuits. The ac and dc sections are complete and the Transient Section is being developed. Takes into account the many costs associated with such an undertaking.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 04 0410

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**NUMERICALLY INTEGRATED ELEMENTS FOR SYSTEM ANALYSIS (NISA)** **REFERRAL**

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**DESCRIPTION:** NISA is a user-oriented general purpose isoparametric finite element computer program for analyzing problems in static and dynamic analysis, heat transfer, torsion of prismatic shafts, seepage through porous media, consolidation, distribution of magnetic and electrical potentials, etc.

NISA is a rapid and easy-to-use method to solve engineering problems of any structure and type including: Nuclear

reactors, plants, aerospace, shipbuilding, building design, automobile, pipelines, parts design, construction equipment, etc.

NISA features free-format input, extensive error checking, and user access through remote terminals or batch mode.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 40K of memory
- Printer
- Card reader
- Disk files

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** Order from EMR Corp.

**SHIPPING MEDIUM:** Source and object tapes.

**ORDERING PROCEDURE:** Order from EMR Corp.

**SPECIFIC PROVISIONS:** Address all inquiries to:

Engineering Mechanics Research Corporation  
25900 Greenfield Road  
Suite 305  
Oak Park, Michigan 48237  
Telephone: (313)968-1606

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**TIME SHARING APPLICATIONS LIBRARY** **HDA**

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**DESCRIPTION:** The Series 60 (Level 66)/6000 Time Sharing Applications Library consists of a collection of programs and routines for use on the Series 60 (Level 66)/6000 time sharing subsystem.

The Time Sharing Applications programs cover many application areas, i.e., engineering calculations, basic mathematics, business, statistics, management science, and many others. The program library will be enlarged by periodic update releases. Update documentation will accompany each release.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 (Level 66)/6000 central system with 65K of memory
- Magnetic tape subsystem
- Card reader (optional)
- DATANET 355 FNP
- Printer (optional)
- Disk subsystem
- "n" Time Sharing terminals

**Note:**

To load the entire library on PERMFILE requires a minimum of 125 links of disk storage. The amount of storage assigned to the time sharing system determines the system's response. Under normal loads, the library programs compile and execute if the time sharing system is assigned 45K words or more.

**OPERATING SYSTEM:** Time Sharing Subsystem of GCOS Level 66

**PROGRAMMING LANGUAGE:** BASIC; FORTRAN

**DOCUMENTATION:** Series 60 (Level 66)/6000 Time Sharing Application Library Guide  
Mathematics Vol. I (DA43)  
Statistics Vol. II (DA44)



Industry Vol. III (DA45)  
Business Vol. IV (DA46)  
Product Brief (DB90)

**SHIPPING MEDIUM:** PERMSAVE Tape (AES0019)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Class I — supported.

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**FLUID ANALYSIS** **ARI**

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**DESCRIPTION:** The Fluid Analysis Program is a comprehensive Fluid Dynamics program. It solves steady, one dimensional, incompressible flow equations for either single conduit or network problems. It has a simple input format, automatic units conversion and selects the proper equations to be used.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 32K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 04 0670

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**REGRESSION ANALYSIS** **ARI**

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**DESCRIPTION:** The program performs the least squares models in any log model. These models are:

- x vs y
- log x vs y
- x vs log y
- log x vs log y

The user may optionally rectify log x or log y with the convergence term and tolerance input. The program also gives the usual statistics such as correlation coefficient, goodness of fit (r), standard development of regression.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 04 0666

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**ENVIRONMENTAL INFORMATION** **ARI**

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**DESCRIPTION:** This Environmental Data Management Information System has been specifically designed for scalar variables and vector quantities which are functions of space and time or transformations thereof. Typical examples are scalar fields such as temperature, where  $T = T(x,y,z,t)$  or vector fields such as wind velocity, where  $V = V(O,o,p,t)$ . Creation and retrieval of the data utilizes the space and time arguments, hence the inherent low costs of processing and storage when dealing with environmental data. Organization of the data is hierarchical, with a variable number of sectors and segments. Coupled with optimum search algorithms, this organization provides load and retrieval of multilevel records at very small operating costs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 150K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL, FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 6 04 0678

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**NETWORK OPTIMIZER** **ARI**

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**DESCRIPTION:** This program is used to determine the optimum, or least costly circuit and routine configuration in a long distance telecommunications network, given a particular grade or service supplied by the user. It is highly accurate and able to automatically evaluate all types of WATS, FX, and tie circuits, plus specialized common carriers. The output is specifically designed to be easily understood by top management who may be unfamiliar with technical aspects of telecommunications.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 40K of memory
- One disk
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option automatic with purchase.

**I.D. NUMBER:** 6 04 0669

**AUTOMATIC SCHEDULING WITH TIMED RESOURCE ALLOCATION (ASTRA-II) HDA**

**DESCRIPTION:** ASTRA is a multiproject resource allocation program dedicated to scheduling many projects using a common pool of resources which are available in limited quantities. Materials, machines, money, facilities, personnel and space are costly resources. Effective and economical use of these resources involves planning and scheduling work activities, as well as simultaneously allocating limited resources when and where required.

The following features are provided by ASTRA:

- A multiproject resource allocation program can schedule up to 640 projects.
- Alphanumeric literals used for decoding control cards, for error diagnosis and for headers are input as data during the first production run, and therefore may be changed by the user or translated in any language.
- The user selects processing chaining by means of control cards
- Handles projects having up to 1920 activities and events per project
- Can be used as a PERT-TIME program
- Accommodates 250 resource types
- Multiple start and finish
- Time units include week, day, or part of day (hour)
- Interface events between projects
- Milestone control and reporting
- Two resources allocation algorithms are available
- A great variety of reports is provided to the user:
  - Several sort keys and selection codes
  - Loading chart
  - GANTT chart

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 37K of memory
- Three tapes
- Disk files
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** ASTRA-II Resource Allocation Program (DE12)

**SHIPPING MEDIUM:** Object Tape (H\*)(RSAVE) Sample Problem Deck (AES0013)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: Class I-supported

**BIOMEDICAL STATISTICAL PROGRAMS — BMD HDA**

**DESCRIPTION:** BMD is a package of statistical programs that aid the researcher or statistician with the analysis of large volumes of data. The programs are general purpose, ready to be applied to special needs.

Five interrelated program packages are provided and may be run singly or in succession.

- Description and tabulation routines
- Multivariate analysis
- Regression analysis
- Time series analysis
- Variance analysis

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 (Level 66)/6000 central system (other equipment requirements by program)

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN and GMAP

**DOCUMENTATION:** Series 60 (Level 66)/6000 BMD Statistical Programs (BP82) BMD Biomedical Computer Programs (1973) Supplement (available from University of California Press, Los Angeles)

**SHIPPING MEDIUM:** Tape containing object R\*, IMCV file, and K\* (AES0021)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**CONCORDANCE GENERATOR PROGRAM HDA**

**DESCRIPTION:** The Concordance Generator Program produces a concordance (an alphabetical list of all key words in a text and the immediate context in which they occur) of any text file. The primary application of the concordance generator is in preparing text files for publication using the Text Editor Runoff System. The program output is useful for analyzing content, form and style of text, and proofreading for misspelled words, typographical errors, and inconsistent usages. The program has the ability to locate specified words such as common misspelling of words or words of special interest. The program can also identify any word used that does not occur in a dictionary file. The program can be used on files other than documentation text type files, for example, to prepare a symbol cross reference list of a computer language program (FORTRAN, APT, COBOL).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 17K of memory
- Printer
- Disk files (50 links)
- Input device (may be a card reader, tape, disk or front end communication processor and associated communication terminals)
- Tape (required only for initial program implementation)
- A non-EIS version is also included on the R\* tape for use on Series 600/6000

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** GMAP; FORTRAN

**DOCUMENTATION:** Functional Description (DB96)

**SHIPPING MEDIUM:** Binary Tape (R\*, \*\*, Dictionary) (AES0010)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product.

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**GENERAL PURPOSE SIMULATOR SYSTEM (GPSS/66) HDA**

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**DESCRIPTION:** GPSS, an event-oriented, general-purpose simulation language, is a valuable aid in the analysis of system design and reduces the need for experimenting with costly prototypes or physical installations. By establishing mathematical models and furnishing simulation results for subsequent analysis, GPSS provides extremely fast solutions to a wide variety of business problems.

Any physical process that is already in operation, or under consideration, or envisioned by management, and that can be flow charted for modeling, can be converted readily for GPSS simulation by the use of a simply activity block diagram (illustration). A user of GPSS does not need previous experience in programming (the rules and practices are tailored to the experience and needs of the practical planner), but need only be familiar with the activity blocks, which are easily translated into a coded computer program.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 32K words of memory, plus GCOS operating system requirements

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** GMAP; FORTRAN

**DOCUMENTATION:** Reference Manual (DC34)  
Current Application Release Bulletin (issued with each new GPSS release)

**SHIPPING MEDIUM:** Binary Object Tape (R\*) (AES0005)  
Test Deck

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Class I — supported.

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**MATHEMATICAL PROGRAMMING SYSTEM (MPS) HDA**

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**DESCRIPTION:** MPS/66 is a modularized system for solving large-scale optimization problems such as mixing and blending, scheduling, resource allocation, and corporate modeling. MPS uses the techniques of linear programming, integer programming, separable programming, generalized upper bounds, postoptimal analysis, matrix generation, report writing, and data base maintenance. Only those modules required for a specific installation need to be obtained. The modules available are: Basic MPS System, Integer Programming Module, Generalized Upper Bound Module, Common File Management System. MPS has the following capabilities:

- Allows extensive user control of solution progress including direct program access and calls to users own routines
- Accepts input files prepared for the IBM MPS systems
- Provides optimum solutions to large, complex problems involving many variables and numerous constraints

- Allows for flexible and broadrange input/output and recycling
- Allows for multiple problem solutions

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 32K of slave memory
- Input and output devices (may be card reader, printer, tape, disk, front end communications processor, and associated communication terminals)
- Disk files (100 links)
- Tape (required only for initial program implementation)

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN; GMAP

**DOCUMENTATION:** MPS User's Guide (DG10)  
CFMS Implementation Guide (DD67)

**SHIPPING MEDIUM:** Binary tape and test deck (\*\*RSAVE)

Basic System (AES0015)

Mixed Integer (AES0016)

Generalized Upper Bound (AES0017)

Common File Management System (AES0004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Class I — supported.

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**PROJECT MANAGEMENT (PAC II) ARI**

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**DESCRIPTION:** The PAC II System is an automated project management system designed to assist users in the planning, scheduling, budgeting, simulation, analysis, development, and monitoring of any project which utilizes human and other type resources. It is written in ANS COBOL. The System performs the above functions operating in either one of two modes: Project planning mode which provides the resource scheduling, simulation and budgeting aspects; and the control mode that offers the user the project monitoring and analysis features.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- One disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** ANS COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 02 0538

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**PROJECT MANAGEMENT AND CONTROL SYSTEM (PMCS/66) LIC/HDA**

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**DESCRIPTION:** PMCS/66 is a state-of-art system which can be used for project management, scheduling, and control in industries such as construction, shipbuilding, public works projects, systems implementations, and other complex project design and development programs. PMCS/66 allows project planners and schedulers to develop and maintain project networks for continued analysis, maintenance, and updating of the project scheduling activities.

PMCS/66 incorporates networking and resource scheduling capabilities using either precedence charting (PCS) or activity-on-arrow (CPM, PERT) type network design.

PMCS/66 handles large networks, has extensive output reporting, and provides user flexibility in problem definition.

It includes:

- PMCS/66 Network Processor (HDA) computes project schedules and provides for project progress reporting
- PMCS/66 Resource Scheduler (LIC) computes revised project schedules based on resource constraints and availabilities (PMCS/66 Network Processor required)

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 or Series 60 Level 66 with 33K of slave memory
- Card reader/printer
- Disk drive (200 links — more for big networks)
- Two tape drives
- Terminals (optional)

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** System Handbook (DD59)  
Product Brief (DD58)

**SHIPPING MEDIUM:** H\* object tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

Product Numbers AES0022 — Network Processor  
AES0023 — Resource Scheduler

**SPECIFIC PROVISIONS:** Class I — supported.

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**SIMSCRIPT**

**HDA**

**DESCRIPTION:** SIMSCRIPT is an event-oriented simulation language of FORTRAN-like words, phrases, and symbols. It translates complex mathematical and logical models into meaningful simulation sequences. It permits you to view possible alternates in perspective, for decision purposes, without costly delays. SIMSCRIPT provides the following:

- Flexible and easy-to-use simulation language
- Methodology for an organized breakdown of problem into component parts — entities
- Attributes and sets of entities
- Comprehensive system of automatic set manipulation
- Flexible and easily programmed report generator
- Random number generation capability
- Automatic internal timing routine

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 32K of memory, plus GCOS operating system requirements

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** GMAP

**DOCUMENTATION:** Reference Manual (BP99)  
Current Application Release Bulletin (issued with each new SIMSCRIPT release)

**SHIPPING MEDIUM:** Binary Object Tape (R\*)  
Test Deck (AES0020)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Class I — supported.

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**SLAVE PROGRAM ACTIVITY  
MONITOR (SPM)/II**

**FDA**

**DESCRIPTION:** SPM/II is a monitoring tool for slave programs under GCOS. It monitors program operation and instruction frequency, and outputs efficiency information.

SPM/II can be used on object form programs, COBOL-74 programs, FORTRAN programs, and COBOL-68 programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 40K of memory
- Card reader
- Printer
- Disk files

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN; GMAP

**DOCUMENTATION:** User's Guide (DE26)

**SHIPPING MEDIUM:** Object Deck (AES6013)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product.

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**RESPONSE SURFACE OPTIMIZATION**

**ARI**

**DESCRIPTION:** Response Surface Optimization is an integrated system of computer programs for the efficient optimization of product formulation. This system provides a powerful tool for evaluating the relationship between the characteristics of a product (cost, yield, taste, quality) and the independent factors (pH, temperature, thickness) which may be varied during its production. The nonlinear multivariate approach to experimentation and analysis, coupled with a powerful nonlinear optimization program, allows the optimization or alteration of product characteristics. The results of the computer analysis may be used to change the recipe or product formulation or produce a new or improved product with desired characteristics, lower cost or higher quality. The unbiased experimental design and statistical analysis assure the reliability of the new formulation.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 02 0612

## MFG-FABRICATION/TRANSPORTATION EQUIPMENT

### AUTOMATICALLY PROGRAMMED TOOL (APT/66)

HDA

**DESCRIPTION:** The Honeywell numerical control system (APT/66) is composed of four separate subsystems, a set of subsystem communication files, and an operation regimen that transforms a part program coded in APT/66 symbolic language into a file of numerical machine-tool control instructions that will produce the programmed part on the object machine tool. The subsystems are:

- Level 66 Automatically Programmed Tool Subsystem (APT/66)
- Independent Post-Processor Executive Subsystem POSTX/66
- Punched Paper Tape Subsystem (PPT/66)
- Source Librarian (SRCLIB/66)

The programming language used (APT) is defined by the American National Standards Institute and the International Standards Organization. APT/66 identifies the geometry of parts and the motions of a tool to produce a standard media for use in the operation of numerical control devices.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 66 or Series 6000 central system with 40K of memory including system software
- Card reader (optional)
- Card punch (optional)
- Printer (optional)
- Eight files (disk, tape)
- Teleprinter or RJE

**Note:**

Amount of storage is problem-dependent.

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN; GMAP

**DOCUMENTATION:** Part Programming Pocket Guide (DE85)

Paper Tape Demo Guide (DA51)

Remote Demo Guide (DA96)

APT/66 Part Program Language Manual (DE85)

Paper Tape Subsystem User's Guide (DB30)

Level 66 Application Numerical Control/66 System Handbook (DG08)

**SHIPPING MEDIUM:** Perm-Save Tape (AFS0035)

One Card Deck

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

### INVENTORY MANAGEMENT SYSTEM (IMS/66)

HDA

**DESCRIPTION:** IMS/66 uses advanced systems concepts that meet the needs of the manufacturing industry for controlling inventories. It provides a user with a tool for integrating, managing, and controlling the problems associated with inventory management. IMS/66, a pre-programmed computer application, provides the foundation for implementing a customized manufacturing con-

trol system. It is transaction oriented and built within a common data base (I-D-S). IMS/66 features exception processing, net change material requirements planning, and priority planning. It encompasses bill-of-materials processing, master scheduling, inventory control, statistical forecasting, inventory analysis techniques, material requirements planning, and product costing while controlling shipments and supply orders through its order release and feedback functions.

The three major modules of IMS/66 are:

- Inventory management and material requirements planning
- Master production scheduling
- Statistical forecasting and analysis

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 66 or Series 6000 central system with 128K of memory including system software
- Card reader
- Card punch (optional)
- Printer
- Disk units
- Tape handler

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL-68 with I-D-S; COBOL-74 with I-D-S/II

**DOCUMENTATION:** Brochure (AR48)

System Handbook (DE80)

Input/Output Manual (DE81)

Summary Description (DB52)

Product Brief (BK70)

**SHIPPING MEDIUM:** K\* Tape, R\* Tape (COBOL-68; I-D-S)

Perm-Save Tape (COBOL-74; I-D-S/II)

Master Production Scheduling — COBOL-68 (AFM0064); COBOL-74 (AMF0061)

Inventory Management and Material Requirements Planning — COBOL-68 (AFM0034); COBOL-74 (AMF0062)

Statistical Forecasting and Analysis — COBOL-68 (AFS0033); COBOL-74 (AMF0063)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

### PRODUCTION SCHEDULING AND CONTROL (PSC/66)

HDA

**DESCRIPTION:** Honeywell's Production Scheduling and Control system (PSC/66) is a straightforward system for scheduling the flow of materials through a shop. While helping management hold down in-process inventories, excessive overtime costs, and idle machine time, PSC/66 helps control production facilities, schedules and monitors factory work tasks, and plans realistic capacity requirements. All functions are built within a common data base (I-D-S).

PSC/661 is designed for both assembly and fabrication type manufacturers who need increased productivity and cost control. PSC/66 offers the following benefits: smaller in-process inventories, better customer service, shorter manufacturing cycle time, improved availability of components, reduction in expediting effort, smoother day-to-

day operations, reductions in clerical effort, improved capacity planning, and the ability to increase both employee and workcenter performance.

The three modules of PSC/66 are:

- Creation and maintenance of production data
- Work-in-process scheduling and loading
- Production control reporting, including feedback features

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Series 6000 central system with 128K of memory including system software
- Disk devices
- Card reader
- Card punch (optional)
- Printer
- Tape handler

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL-68 with I-D-S; COBOL-74 with I-D-S/II

**DOCUMENTATION:** Product Brief (DC67)  
Brochure (DC85)  
Summary Description (DD79)  
System Handbook (AN32)

**SHIPPING MEDIUM:** K\* Tape, R\* Tape (COBOL-68; I-D-S)

Perm-Save Tape (COBOL-74; I-D-S/II)

Production Scheduling and Control — COBOL-68 (AEM0003); COBOL-74 (AMF0065)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**MFG. — PETRO/CHEMICAL**

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**INTEGRATED ACCOUNTING**

**ARI**

**DESCRIPTION:** This is an integrated system designed for the single or multicompany oil producer. It can operate in batch or online mode and has seven subsystems:

- Journal Entry
- General Ledger
- Revenue Distribution
- Joint Interest Billing
- Vendor Accounts Payable
- Undeveloped Lease
- Asset and Information Reporting

Each system installation is preceded by a comprehensive planning schedule to identify company-specific accounting and reporting needs. Also, before delivery, the system is tailored for journal entry format(s), property ledger format, system check formats, A/R statements, DD&A calculations, subsystem interfaces, production reports, reverse calculations, lifting cost reports, payout status reports, investment tax credits and other user reports.

Benefits to the user include: reduced operating costs, access to data, accounting flexibility, total user control, and shorter month-end and year-end closing.

All subsystems are integrated with one another and sub-ledger data is automatically tied to the General Ledger.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 40K of memory
- Real-time clock
- Printer or output device
- Card reader, tape, or CRT input device
- Online disk storage
- Backup device

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Sales brochure, System Summary, User's Guide, System Guide

**SHIPPING MEDIUM:** Tape or disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Provided at no additional cost are user and system documentation, system installation and testing, user education, comprehensive pre-installation planning and system tailoring, 180 hours of programming to tailor specific management reports and a one-year warranty.

**I.D. NUMBER:** 6 14 0657

## CONSTRUCTION

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### EQUIPMENT MANAGEMENT

ARI

**DESCRIPTION:** The Equipment Management System maintains complete historical records of all owning and operating costs, repair costs, rental charges, and operating statistics for every piece of equipment owned or operated by a company.

The system can calculate the rental charges a project accumulates operating any given piece of equipment by using up to ten different methods of calculation and up to three rate components for each method. Reports produced by the system include equipment status, location, and availability; rental charge details and project invoices; equipment pool profit and loss statements; and detail cost analyses by equipment units. The system also computes book and tax depreciation charges for each unit of equipment.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 66 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** ANSI COBOL

**DOCUMENTATION:** System description manual, user's manual, system test manual, system specifications, compilation listings, source programs

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 17 0546

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### MONITOR SYSTEM

ARI

**DESCRIPTION:** The Monitor System is a budgetary control system for construction projects. It prints a variety of optional cost and budget reports which provide project managers with information on costs and performances as they occur during a construction project. A range of standard reports provides current and to-date comparisons of budget and actual costs and which project the total cost of a project at its completion. These reports, summarized at either a cost type or resource level, are ready and efficient reference in the preparation of claims. The reports also can provide estimators with cost information for future projects. Standard reports include a Project Control Budget, Chart of Accounts and List of Accounts, Cost Account Detail Report, Commitments Report, and Cost Versus Budget Reports. These reports break down into individual reports that show labor costs only, equipment costs only, labor and equipment costs only, total costs of all five cost types, man hour costs only, and total costs including man hours. In addition, highlight reports which isolate critical cost accounts can be produced with each type of Cost Versus Budget Reports.

The Monitor System utilizes five cost types: Labor, equipment, job materials (that is, consumable materials), permanent materials, and sub-contracts. These five cost types are reported by a variety of source documents. These include labor and equipment time cards, suppliers' invoices, work quantity reports, budget change notices, and manual projection reports.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** ANSI COBOL

**DOCUMENTATION:** System description manual, user's manual, system test manual, system manual, compilations listing, source programs

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** User training available

**I.D. NUMBER:** 6 17 0545

**PROFIT/66**

**HDA**

**DESCRIPTION:** PROFIT/66 is designed to fulfill the information processing requirements of the inventory management function for an organization engaged in warehousing and selling goods from inventory. Primary business types in this environment are wholesalers and retail chains with distribution centers.

PROFIT/66 includes the primary modules — Seasonal Analysis, Forecasting and Inventory Replenishment; and also Special Buy and Service Level Financial Analysis.

Forecasting produces a demand forecast over time and determines the safety stock method based on a demand distribution analysis.

Seasonal Analysis calculates seasonal indices based on demand history for an item and/or a group of items.

Inventory Replenishment calculates safety stock, computes reorder point based on forecasted demand and safety stock and computes an order quantity based upon demand, discounts, cost of buying, and cost of carrying inventory. Proposed replenishment orders are generated which recommend when and how much to buy, including consideration of joint ordering, order scheduling and vendor strategy for those distributors who require these capabilities.

The Special Buy Module aids in determining the quantity to be purchased in a special buy situation while the Service Level Module aids in determining desired service levels based on user input of control parameters.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with a minimum memory of 80K words.

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL 74/I-D-S/II

**SHIPPING MEDIUM:** K\* tape; R\* tape (AFD0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**BISNET**

**HDA**

**DESCRIPTION:** The Bank Information System Network (BISNET) is an integrated data base providing a means of creating customer profiles plus other information relating to a customer within a bank or savings institution. This centralized processing allows the user to access a customer's different accounts, balances, transactions, addresses, and relationships with other bank customers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 65K of memory plus operating system requirements
- Magnetic tape subsystem with four tape handlers
- Disk storage for operating system and customer's data base plus expansion
- Communication processor with adequate memory channels and buffers for the user's terminal requirements
- Card reader  
(Available either on system or through a peripheral switch).
- High speed printer
- Card punch
- Terminal subsystems to meet user's requirements

**OPERATING SYSTEM:** GCOS with Communication Processor

**PROGRAMMING LANGUAGE:** COBOL/I-D-S and ISP

**DOCUMENTATION:** Product Brief (AA88)  
Functional Description (DD70)  
Implementation Guide (DB47)  
Administrators Guide (DD86)  
Handbook (DD88)

**SHIPPING MEDIUM:** Source Language Tape (AEB6003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Maximum months for Honeywell Financing paid-up license charge: 24 months

**CHECS-CHECK HANDLING  
EXECUTIVE CONTROL SYSTEM**

**HDA**

**DESCRIPTION:** CHECS (AEB6004) consists of Document Entry Subsystem (DES) (AEB6001) and CHECS Proof and Transit Subsystem (PTS) (AEB6002) as separately defined in the software catalog. It is included here as a separate product to assist the user in ordering the correct software. When AEB6004 is ordered, the user will receive two release components from the software library; one containing AEB6001 (DES) and another containing AEB6002 (PTS).

**MINIMUM HARDWARE REQUIREMENTS:** See Document Entry Subsystem AEB6001 and Proof and Transit Subsystem AEB6002 for Hardware, Documentation, Shipping Medium, and Ordering Procedures



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**CHECS ONLINE BALANCING AND  
ITEM CORRECTION****HDA**

**DESCRIPTION:** The CHECS Online Balancing and Item Correction Program complements the Document Entry Subsystem and Proof and Transit Subsystem. CHECS Online Balancing and Item Correction is designed to replace the Offline Balancing Program in the CHECS Proof and Transit Subsystem. It performs the functions of Offline Balancing (processing demands, writing indexes and total records) and allows the reconcilers to balance blocks and correct rejects online through VIP7700 terminals.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 65K of memory plus operating system requirements (131K if running concurrently with DES)
- Disk storage, adequate for operating system and user data files
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Handbook (DE30)**SHIPPING MEDIUM:** Source Language Tape (AEB6005)**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Maximum months for Honeywell paid-up license charge is 24 months.

CHECS Online Balancing and Item Corrections will only operate with Release #2 of AEB6002 CHECS Proof and Transit Subsystem and the VIP 7700.

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**CHECS PROOF AND TRANSIT  
SUBSYSTEM****HDA**

**DESCRIPTION:** Working in conjunction with the Document Entry Subsystem, the CHECS Proof and Transit Subsystem offers high speed, sophisticated and complete Proof of Deposit, and/or Proof and Transit processing capabilities to meet the needs of the largest banks. Up to nine high speed sorters can be operated and controlled simultaneously on one system. Some of the many features of this system include:

- Positive dollar and audit control
- Multibank operation
- Automatic recovery/restart procedures
- Pass-to-pass image comparison
- On-line balancing and item correction
- Four-level run control
- Automatic cash item list and letter generation
- Complete performance statistic and management reports
- Sophisticated item reject analysis
- High-speed reject reentry

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 65K of memory plus operating system requirements (131K if running concurrently with DES)
- Disk storage, adequate for operating system and user data files

- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Application Brief (AM64)  
Application Summary (AM65)  
Handbook (DE30)**SHIPPING MEDIUM:** Source Language Tape (AEB6002)**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Maximum months for Honeywell Financing paid-up license charge: 24 months.

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**DOCUMENT ENTRY SUBSYSTEM****HDS**

**DESCRIPTION:** The Document Entry Subsystem is a major component in the CHECS document processing system. It can be used as a simple stand-alone document capture system or with the Proof and Transit Subsystem to do full Proof of Deposit and/or proof and transit check processing.

The Document Entry Subsystem supports a number of document handlers including the MRS200, DRD200, DHU1600, DHU0803, and DHU0814. Up to nine devices may be operated simultaneously using multiple document handler processors. In addition to the MICR fonts E 13 B, the Document Entry System supports OMR and numerous OCR fonts including OCR-A and OCR-B. More than one font is supported simultaneously when the document handler offers that capability. The Document Entry Subsystem operates in the multiprocessing, multi-programming environment of the Series 60 Level 66/ Series 6000.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 65K of memory plus operating system requirements
- Magnetic tape subsystem with two tape units
- Disk storage adequate for operating system and storage of user's captured data
- Document Handler Processor with 32K of memory and necessary reader/sorter adapters
- Reader/sorter required to perform user's requirements
- Card reader — available on system or through peripheral switch

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** GMAP; COBOL**DOCUMENTATION:** Application Brief (AM64), (AA90)  
Application Summary (AM65)  
Implementation Guide (DE07)  
DHU1600 Product Brief (AP58)  
DHU1600 Operator Manual (AD55)  
DHU0800 Product Brief (DE78), (DE79)  
DHP0700 Product Brief (AP27)  
DHP0701 Product Brief (DE36)**SHIPPING MEDIUM:** Source Program Tape (AEB6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Maximum months for Honeywell Financing paid-up license charge: 24 months.

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**FINANCIAL INFORMATION  
CONTROL SYSTEM (FICS)**

**REFERRAL**

**DESCRIPTION:** This application provides control over books and reports information showing the financial position of a bank or holding company. It reduces peak workloads at the close of each accounting period and produces information for analyzing the profitability of each product and service provided by a bank or holding company. It distributes overhead and service expenses to assess profitability; provides various methods of transferring charges and credits between products or profit centers for funds provided and used; provides customer profitability measurement; and compares the efficiency of personnel to standards.

The Financial Information and Control System is composed of four modules: general ledger accounting, budgeting and planning, responsibility reporting, and profitability accounting. This modularity enables users to implement modules as time and resources permit.

The user can select 7 accounting control reports from 19 generally accepted formats and can specify the level of summarization, sequences of data, and totaling instructions. The custom reporting feature allows managers to select comparative data, indicate options, and specify calculations and exception parameter options. Custom-tailored reports are often used to test "what-if" conditions before they actually occur.

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL-74

**DOCUMENTATION:** Contact: FMS Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: FMS Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Management Science America

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**FUNDS**

**HDA**

**DESCRIPTION:** FUNDS is a transaction driven system designed to process the customer information and account activities of financial institutions in an online environment. Built around TDS (Transaction Driven System) and IDS (Integrated Data Store), it provides online transaction processing, file updating, and operational control. Extensive offline reporting is included to provide the required offline information. FUNDS consists of five modules, each powerful enough to address the broad needs of financial institutions, yet flexible enough to be molded to the particular needs of a specific institution. This flexibility is provided through the tables in the Administrative and Control Module. This module manages the institution, application, and control (security) options of FUNDS and applies those options to each transaction in the processing stream. The Administrative and Control Module allows the user to shape FUNDS to his needs. The Customer Profile Module is the foundation for the central information file. It consolidates all names, addresses, personal

data, demographic information, and descriptions of account relationships onto a central information file. The Savings Account Module handles a wide variety of deposit account types with online real-time account updating. The online segment is supported by an extensive off-line reporting subsystem. The Loan Account Module is designed to deal with mortgage, installment, personal, construction, home improvement, education, mobile home, dealer, and collateral loans. Program segments handle loans in process, escrow analysis, and loan participation along with the traditional loan servicing functions. The General Ledger Module performs the information storage and reporting functions required by financial institutions.

The Administrative and Control Module is the only required module. All other modules are freestanding and may be implemented based on the user's requirements, desires.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 196K of memory
- 32K DATANET Front-End Processor
- Three or more tape units
- Card reader
- Printer
- Sufficient disk storage to contain the data base

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** FUNDS Overview Brochure (AX05),

FUNDS System Customer Profile Module Product Brief (AX03),

FUNDS System Savings Account Module Product Brief (AX04),

FUNDS Summary Description (AY54),

FUNDS Boston Five Brochure (AS08),

Boston Five User Profile (AS91),

**SHIPPING MEDIUM:** Source program tape (AFB6006 for all modules; Customer Profile Module: AFB6001; Administrative & Control Module: AFB6002; Savings Accounting Module: AFB6003; Loan Accounting Module: AFB6004; General Ledger Module: AFB6005)

**ORDERING PROCEDURE:** Contact: National Financial Branch (Banking) Marketing Manager, MS495, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Transaction Driven System (TDS) SFS6001 is a prerequisite.

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**INDIVIDUAL RETIREMENT ACCOUNT/  
KEOGH SYSTEM**

**ARI**

**DESCRIPTION:** The Individual Retirement Account/Keogh System (IRA/Keogh System) is operational in both service bureau and banking environments. The IRA/Keogh System is designed to interface with a bank's existing Savings and/or Certificate of Deposit System without alterations. IRA/Keogh System extracts the information from these systems and does all processing, reporting, distribution, and balancing independently. Complete reporting and audit trails are established to insure the integrity of the IRA/Keogh System. Reports are generated periodically to give the bank complete data about the IRA/Keogh accounts and to indicate exception conditions as they occur. At year-end, consolidated statements are produced for all participants, as well as for government reporting. IRA/Keogh Accounts are provided with consolidated reports

to the employers so they can properly maintain their pension records. DISC's IRA/Keogh System can eliminate the arduous manual functions now required in most banks to keep records for customers participating in these plans. The IRA/Keogh System is available as a "complementary" or "stand-alone" version.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 6 41 0552

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**INTEREST REPORTING SYSTEM** **ARI**

**DESCRIPTION:** This Interest Reporting System provides 1099 and related interest and dividend reporting to customers and the Internal Revenue Service. The system reduces the number of individual 1099s to be mailed. Requiring no conversion and no reformatting of your interest/dividend data files, it combines all accounts and produces a single statement for each customer. Combined interest/dividend tapes, to the Internal Revenue Service's specifications, are produced. Applicable to institutions sending individual 1099s or having passbook or passbook and statement plans. Also handles CDs (with proper penalty reporting), clubs, etc. Its unique features allow banks to tailor systems to its and correspondents reporting needs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer
- Tape

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Annual maintenance service available. Installation assistance provided.

**I.D. NUMBER:** 6 41 0565

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**ONLINE INQUIRY** **ARI**

**DESCRIPTION:** The inquiry system has the following capabilities:

- Inquiry on an account (demand deposit, savings, installment)
- Check guarantee to a demand deposit account or a savings account
- Memo post to demand deposit and savings inquiry files

The system accepts an application code, action code, and application account number from a terminal and returns a short report specifying all critical account balances and static data for the specified account. The system will memo

post all accepted transactions to the inquiry file. It will generate the following reports:

- Check Guarantee — Credit Card Report
- Check Guarantee — Merchant Report
- Credit Card Edit
- Demand Deposit Inquiry Daily Transactions
- Merchant Edit
- Savings Inquiry Daily Transaction

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 (Level 66)/6000 central system with 32K of memory
- CRT
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 41 0497

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**PAYMATIC** **ARI**

**DESCRIPTION:** Paymatic is a software system that performs all the key accounting and interfacing tasks associated with a financial institution's offering of a telephone (or mail or cable television) bill-paying service to benefit both retail customers and commercial accounts (merchants).

For the merchant, these tasks include paying the merchant by consolidated check, deposit to the merchant account, or automated clearing house transfer; reporting to the merchant the accounts and amounts that are to be credited; and maintaining an audit trail of these payments.

For the customer, the system will provide maintenance of a personal list of merchants, a Personal Identification Number for security, the ability to transfer money from savings to checking to pay bills, the ability to "value date" transactions for future transfers, the ability to establish automatic payment of fixed amount recurring bills, the ability to assign one or more expense codes per vendor and automatically print total payments by expense code. Additionally it offers the ability to enter twelve months of budget information per vendor/expense code for comparison to actual expenses both month to date and year to date as a useful money management report. Reporting transactions made is accomplished by a mail turn-around document (Super Check); by separate statement recapping date and amount of transactions by vendor for any time period (monthly, quarterly, or yearly); or by passing transactions to the DDA or Savings system for printing on that statement.

For the financial institution, the system will automate all internal funds transfers from checking or savings to any other department, calculates and assesses service charges based on almost any criteria and prepares the general ledger credit to service fee income. It prints statistical reports high-lighting system usage, and labels for both customers and vendors. It provides for checking of the customers' balance before the merchants are paid, communicates with all internal application processing systems in user-defined formats, provides for verification by the

merchant of the customer-entered account number with merchant field, and provides various automated marketing assists.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 54K of memory
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISION:** Maintenance option available

**I.D. NUMBER:** 6 41 0675

**CREDIT/LOAN AGENCIES  
(NOT BANKS)**

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**BSA CREDIT UNION APPLICATION**

**ARI**

**DESCRIPTION:** The Credit Union Processing System is a proven system for both small and large credit unions as well as service centers. It now processes over a half million credit union members' accounts, all across the country. The basic system includes complete share and loan accounting, special savings (club) deposits, automatic delinquency notices, statements, and dividends. It prints over 50 various reports to meet every credit union need.

The basic system can be expanded by adding additional modules to meet special requirements. The more important special features are real-time online remote processing, share drafts, and automatic general ledger accounting.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 600/6000 central system with 96K of memory
- Disks (approx. 100 words required for each member)
- Printer
- Some tape capability advantageous
- Card reader

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** ANS COBOL

**DOCUMENTATION:** A systems manual and a user's manual are provided. Installation help is included in the package price

**SHIPPING MEDIUM:** Source code on magnetic tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 42 0500

**PROPERTY MANAGEMENT** **ARI**

**DESCRIPTION:** This is an online Property Management System including tenant accounting, accounts payable, general ledger and financial reporting. Transactions are entered on 9600 baud video display terminals (synchronous polled and select environment). All data is verified, edited, and balanced online. It gives complete property management reports and analysis including tenant billing and payment turnaround card that is both punched and read optically by card reader; rent roll, and numerous other management reports. Accounts payable and tenant accounting feed directly into the general ledger system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 128K of memory
- Three disks
- Card reader with mark sense
- Printer
- Card punch

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 44 0585

**MASS APPRAISAL** **ARI**

**DESCRIPTION:** The Computer Assisted Mass Appraisal System is suitable for Honeywell, IBM, or Burroughs hardware. This system utilizes all three approaches to value. It is designed to handle commercial and residential properties and agricultural classes. The system prints property sketches, a pricing ladder on the property record card, and a variety of supplemental reports, including an analysis of comparable properties and market analysis reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- Four disks
- Two tapes
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option and rent negotiable

**I.D. NUMBER:** 6 44 0677

**LILA** **REFERRAL**

**DESCRIPTION:** Life Insurance Logistics Automated (LILA) is an application package that performs the essential business functions of small/medium life insurance companies. A flexible systems approach and the versatility of Honeywell equipment enable an insurance company to effectively maintain its present business and to expand for future growth and needs. The basis of LILA is a consolidated master policy record, used for administrative, billing, dividend, commission, loan and valuation functions.

Features of the system are:

- Tape/disk processing in a modest environment
- Extensive information for business administration
- Simplicity and flexibility for ease of implementation and control
- Extensive editing for file accuracy
- A base system and production subsystems (New business, general ledger accounting, billing, commission, dividend, loan, automatic premium loan, automatic changes, miscellaneous inforce reporting, lapse and persistency, federal income tax, actuarial library support, asset share model office, cash release, year-end support, GAAP accounting)

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 600/6000 central system with 32K of memory
- Advanced programming and editing instruction features
- Card punch
- Card reader
- Printer
- Five magnetic tapes or four tapes/one disk

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** The following are supplied only to licensed customers who have completed training requirements

- Basic System, Volume 1
- Basic System Submodules, Volume 2
- Production Subsystems, Volume 3
- Coding Manual, Volume 4
- Supplemental Information, Volume 5

**SHIPPING MEDIUM:** Binary Run Tape and Master Source Program Library Tape (supplied to licensed customers only).

**ORDERING PROCEDURE:** Contact Insurance Marketing Manager, MS496, Waltham, MA 02154

**NOVUS II** **ARI**

**DESCRIPTION:** The major functions handled by NOVUS II include file maintenance, benefit compensation, billing, claims verification, cash control, cash collection, and distribution including computation and payment of commissions, reporting to reinsurers and management reporting. These functions are performed for associates multiple employer trusts and for "true" groups. Files maintained by NOVUS II include files of customers

employees, agents, premium rates and benefits, age dependent premium rates, administrative fees, prepayments, billing history, reinsurer rates, and commission rates. Billing can be performed for different insurance products per customer with different carriers of reinsurers participating on each product. Premiums can be dependent upon classification, age, salary, or options elected by each customer. Billing for administrative fees, enrollment charges, and retroactive adjustments is automated. Regular cash receipts, prepayments, suspense money, and adjustments can be entered, reported, and controlled. NOVUS II computes commission, and prints detailed commission statements and commission checks or extracts up to seven producers per customer. Full reporting of quarterly and annual statement values.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Three disks
- Two tapes
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 53 0672

**EDUCATION**

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**ADMINISTRATIVE GUIDE**

**ARI**

**DESCRIPTION:** This manual will assist a school administrator in the construction of the Master Schedule. Contains: Responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 71 0351

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**IMI/66 INDIVIDUALIZED MATHEMATICS INSTRUCTION**

**HDA**

**DESCRIPTION:** The IMI/66 system is a set of programs which can be used in two ways: to generate arithmetic tests and to provide individualized arithmetic drill and practice problems at a teleprinter terminal.

As an Arithmetic Test Generator, this program provides individualized instruction covering the basic skills of arithmetic. It operates in an interactive mode, enabling one computer terminal to service an entire school. The system generates entire drills and tests for each student according to directions by the instructor. The exercises consist of any combination or number of problems from 210 learning objectives.

As an Individualized Mathematics Program, this program provides students at a terminal with drill and practice exercises. Each student interacts with the system. The student is expected to enter the answer after each problem presented. The program then compares the student responses with the correct answers and at the end of the drill period provides a summary report of student performances. In addition, class or individual reports are provided for the instructor.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 600/6000 or Series 60 Level 66 central system
- Front-end processor compatible with the Time-Sharing Subsystem
- Disk drive
  - User Library contains source and object files, requiring 250 links
- Teleprinter terminal

**OPERATING SYSTEM:** GCOS Release 2H and 31

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** User's Guide (DF30)

**SHIPPING MEDIUM:** USERSAVE Tape (AES0024)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Available for purchase only.

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**SCRIBE/66 GRADE REPORTING  
AND ATTENDANCE ACCOUNTING** **HDA**

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**DESCRIPTION:** The SCRIBE/66 Grade Reporting and Attendance Accounting System assists secondary schools in preparing, maintaining, reporting, and analyzing attendance and grade information. The system produces reports on average daily attendance and enrollment statistics, plus optional user-selected and defined reports covering student attendance patterns, cumulative attendance data for each student, and a special tabulation report of attendance by sex, grade, and age. The grading data produced by the system, in addition to the report card, includes a variety of optional reports such as class grading lists, honor deficiency, and user-selected exception reports, class ranks, and mark analysis.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 600/6000 or Series 60 Level 66 central system with user memory partition of 32K; an EIS processor is not required
- Two disk drives (second recommended for efficiency)
  - User Library to contain source and object programs, sample JCL, sample (card image) data input, plus files for a school of 1000 students
- Card reader
- Printer
- Tape drive required to initially load the system and recommended for offline backup and storage

**OPERATING SYSTEM:** GCOS at Release 2H and 3I

**PROGRAMMING LANGUAGE:** COBOL; GMAP

**DOCUMENTATION:** Summary Description (AJ71)  
Series 60 Level 66 Handbook (via Industry Mktg)

**SHIPPING MEDIUM:** USERSAVE Tape (AEE6002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**SCRIBE/66 SCHEDULING** **HDA**

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**DESCRIPTION:** The SCRIBE/66 Scheduling System is designed to assist schools with traditional or modular schedules in scheduling students. The system will handle:

- Partial and selective scheduling
- Study hall assignment
- Flexible school year, cycle, and day definitions
- A variety of school and administrative options
- Late registrations and program changes

It produces comprehensive and descriptive reports for administrative decision making and control purposes.

This system processes up to 48 course requests per student, and schedules up to 99 modules per day with up to 12 days per scheduling cycle and up to 6 terms per year. It accommodates complex conditions of alternate course elections, provides multiple control criteria on a school or individual student basis, and provides controls to alleviate mini-course assignment problems and intricate combined class conditions.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 600/6000 or Series 60 Level 66 central system with a user memory partition of 40K; an EIS processor is not required
- Two disk drives (second recommended for efficiency)
  - User Library to contain source and object programs, sample JCL, sample (card image) data input, plus files for a school of 1000 students, requires approximately 10,000 blocks (3,200,000 words)
  - User Library size may be reduced by about 4500 blocks by retaining source programs offline
- Card reader
- Printer
- Card punch (Optional for program SPS800 — ARENA series)
- Tape drive required to initially load the system, and recommended for offline backup and storage

**OPERATING SYSTEM:** GCOS at Release 2H and 3I

**PROGRAMMING LANGUAGE:** COBOL; GMAP

**DOCUMENTATION:** Product Brief (AY08)  
Summary Description (AJ71)  
Administrator's Guide (via Industry Mktg)  
Series 60 (Level 66) Handbook (via Industry Mktg)

**SHIPPING MEDIUM:** USERSAVE Tape (AEE6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**OPTIMAL POLICE SYSTEM****ARI**

**DESCRIPTION:** The Computerized Optimal Police System is a police management information system for small municipalities, counties, or regional municipal groups. This system is a totally interactive online mini-computer-based management information system with the following features: resource allocation, data base multi-key access; criminal histories, local warrants, suspect evaluation, state U.C.R.; multi-user and telecom available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- Disk
- Optional tape
- Printer

**OPERATING SYSTEM:** GCOS**PROGRAMMING LANGUAGE:** BASIC**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 6 73 0682**HCSS/66****HDA/LICENSE**

**DESCRIPTION:** HCSS/66 is a comprehensive Hospital Accounting and Record keeping system consisting of the following major subsystems:

- HCSS/66 Patient Accounting (HDA) — Data base system provides functions of census income and volume analysis, patient billing, maintenance of patient history files, accounts receivable processing and online data entry and inquiry in a hospital or shared computer network.
- HCSS/66 Financial Accounting (HDA) — includes General Ledger, Budgeting, and Responsibility Reporting functions structured in a data base environment to provide inquiry, unique data manipulation and report generation for the individual hospital user. It also includes the data base interface controls for Patient Accounting HCSS/66/PAC, HCSS/66 Accounts Payable, Inventory, and Payroll.
- HCSS/66 Accounts Payable (HDA) — prepares remittance advice to facilitate check preparation, reporting distribution of payables by account and department and check preparation.
- HCSS/66 Payroll/Personnel (LICENSE) — produces all statutory reports in both the payroll (941-a, W-2s) and personnel (EEO Reports) areas. It also provides a comprehensive array of regular and special reports specific to the hospital environment and interfaces with the HCSS/66 data base General Ledger.
- HCSS/66 Inventory Reporting (HDA) — enters and reports on-hand/on-order inventories to aid the user in evaluating the status, usage and reorder level of each item.
- HCSS/66 Preventive Maintenance (HDA) — prepares schedules for the hospital engineering and maintenance staffs so that they may establish maintenance procedures for each piece of equipment and its components, for better control.
- HCSS/66 Property Ledger (HDA) — processes and reports depreciation and related procedures on an annual basis using the methods of Straight Line, Double Declining Balance or Sum-of-the-years digits.
- HCSS/66 Medical Records/Audit (LICENSE) — produces an abstract of patient discharge information including medical as well as socio-economic data. The Audit portion provides statistical analysis and comparisons of the abstracted information.
- HCSS/66 Cost Allocation (HDA) — prepares and reports the information needed to determine the costs of services using the Step-Down method of apportionment. Cost Centers are broken down into General Service Departments, Special Service Departments, In-Out Patient Services, and Non-Allowable Departments.
- HCSS/66 Bad Debt (LICENSE) — produces an alpha and a numeric listing of patient accounts classified as bad debts, and provides the ability to control collection agency receivables.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Series 6000 central system with 196K of memory
- Mass storage subsystem
- Card reader



- Printer
- Magnetic tape subsystem
- DATANET Front-End Network Processor

**OPERATING SYSTEM:** GCOS. Also required.

- COBOL Compiler
- Integrated Data Store (I-D-S)
- Time Sharing System
- I-D-S Data Query
- NPS or GRTS

**PROGRAMMING LANGUAGE:** COBOL, GMAP

**DOCUMENTATION:** Product Brief (AT14)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Paid Up License

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## NURSING HOMES ARI

**DESCRIPTION:** This system was designed along the same guidelines used by the Federal Government to design Medicaid. It is an accounting, reporting, and claims processing system easily modified to operate in each state. It is designed to meet the minimum Federal Government review guidelines. It is a method of delineating the cost of services actually rendered to individual nursing home patients and a comparison of reimbursement for those services. It has nine separate modules that can be installed and/or operated individually or as a total package. The nine modules are:

- Accounts Payable
- Payroll
- Accounts Receivable
- Fixed Asset and Depreciation
- Automatic Ancillary Pricing
- General Ledger
- Profit and Loss
- Patient History
- Inventory Control

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- One disk
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 6 74 0661

## BUSINESS SERVICES

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### ACCOUNTS PAYABLE ARI

**DESCRIPTION:** The Accounts Payable System is designed to give the user more control over payables and ease the pressure of month-end journal preparation.

Benefits of the system include:

- Control over expense checks and cash advances
- Identification of "major vendors" through a variety of vendor reports
- Identification of the payables commitment for the next twelve weeks

Major system features include:

- The system edits all data before posting. If the client is using the Financial Reporting System (FRS), account numbers and cost centers (departments) may be validated against the FRS files.
- The system interfaces with the Financial Reporting System by passing journal entries to FRS for all items distributed during the month
- Year-to-date balances are maintained for all vendors.

Output reports include: accounts payable checks, check register, open item reports, used and unused distribution reports, vendor listings, vendor analysis reports, and vendor labels.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Programming Guide and User's Guide

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Additional terms negotiable, site discounts available.

**I.D. NUMBER:** 6 76 0273

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### ACCOUNTS PAYABLE ARI

**DESCRIPTION:** The Accounts Payable System is executed in five processing phases consisting of 24 programs, five GMAP utilities (sorts) and four callable subroutines. The five phases of the Accounts Payable System are:

- System Initialization and Control
- Daily Edit and Update Processing
- Weekly Check Processing
- Journal Period Reporting
- Miscellaneous Processing

The primary function of the Initialization and Control phase is to prepare those files that are necessary to control processing functions and to verify raw input data as specified.

The purpose of Phase II, which is normally processed on a daily cycle, is to apply new invoices, delete invoices, change indicative information, and process manual/void checks to the Accounts Payable Open File.

Disbursement generation, known as Phase III processing, consists of:

- Printing Checks
- Disbursement Register
- Cash Requirements Summary
- Optional To-pay Keypunch Document
- Optional Cash Requirements Report by Vendor
- Optional Open Item Register

Phase IV generates all journal period processing.

All those programs that do not require a regulated scheduling cycle are included in Phase V.

More detail available upon inquiry about the product.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 600/6000 central system with 24K of memory
- One disk
- Two or four tapes
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 6 76 0366

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**ACCOUNTS PAYABLE**

**ARI**

**DESCRIPTION:** The Accounts Payable System is designed to allow the user to process in any cycle. The vendor master is the only ISP file, the remaining files are sequential. There are three main phases:

- Vendor maintenance (updates ISP vendor master)
- Invoice maintenance (updates the sequential open item file with the current invoices and distributions)
- Pay cycle (updates the open item file by setting the pay switch by user choice and/or by due date and print checks and update open item file and optional paid item history)

Optional reports:

- Vendor Summary
- Open Item Report
- Aging Report
- Cash Requirements
- Check Register

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 (Level 66)/6000 central system with 21K of memory
- One disk
- Two tapes (optional)
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 76 0498

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**ACCOUNT RECONCILIATION PACKAGE**      **ARI**

**DESCRIPTION:** The Account Reconciliation Package (ARP) is used by more than 110 banks, insurance companies, banks service bureaus, and commercial organizations. It is the ideal solution for those firms interested in performing check reconciliation "in house." The ARP is flexible and can reconcile all of a user's accounts while allowing for user-selected different control and reporting options for each. The system accepts check registers (issue) data and bank(s) paid data in any format on cards or tape. Produces any combination Paid Only, Outstanding and Consolidated reconciliation reports. Produced on hard copy and/or tape (with formats completely variable by account). Reports can display payee name, policy or claim number, etc., and are available in check number, check number by issue or paid date, or other "special" sequences. Subtotal breaks based on positions of check number. Statements called using either "as-of" or "from-to" dates. Many controls such as stale date, maximum dollar, paid-no-issue, plus scheduling and balancing aids. ARP interfaces with DISC's Cash Disbursements Float Management System (CDFMS), a cash management system for minimizing balances and improving short-term investments. Installation assistance provided.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance service available.

**I.D. NUMBER:** 6 76 0551

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**FINANCIAL REPORTING**

**ARI**

**DESCRIPTION:** The Financial Reporting System (FRS) reduces the time required to close the books at the end of the accounting month through interfaces with other automated systems, complete editing of journal entries when entered, and extensive reporting capabilities which may be tailored to the client's environment. Highlights of the system include:

- Wide flexibility in defining the client's chart of accounts
- Capability to generate balance sheets and profit/loss statements by plants within a division
- Automatic input of journal entries from accounts payable and payroll
- Capability to model actual and budget data through the system during live processing

Output reports include:

- Batch balance listing of all input
- General ledgers
- Subsidiary ledgers
- Detail profit and loss
- Detail balance sheets
- Summary profit and loss
- Summary balance sheets
- Five cost performance reports tailored to client environment

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Programmers Guide and User's Guide**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Additional terms negotiable, site discounts available.**I.D. NUMBER:** 6760272

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**PAYROLL SYSTEM** **ARI**

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**DESCRIPTION:** This comprehensive payroll system is a complete payroll package capable of relieving problems in processing a salary or hourly payroll. The system has been applied to a range of payroll requirements from executive salary payrolls to hourly payrolls for manufacturing facilities.

Features include:

- The system produces all quarterly and yearly reports necessary to meet federal, state, and local regulations, including W-2s and 941s.
- Taxes may be taken and reported for an unlimited number of taxing authorities.
- Federal and state taxes are updated automatically via the ALLTAX module and local taxes are easily incorporated.
- The system will process weekly, biweekly, semi-monthly, monthly, and on-request payrolls for hourly-direct, hourly-indirect, nonexempt and exempt employees.
- Supplemental payrolls (e.g., bonus pay, vacation pay) are available.
- Special considerations may be given to tax calculations to avoid overcalculations of taxes.
- The system performs all data validation when data is entered into the system through the edit cycle. The edit cycle may be run as many times as necessary to "clean up" data before updating the payroll files.
- Interface capabilities exist to accept input from any type of front-end labor or incentive system and to output data to check reconciliation and general ledger systems.
- The system can capture and report all detail payroll dollars, hours, and deductions for any time period the user defines.

Output reports include: paychecks, payroll registers, deduction registers, balancing/control reports, payroll distribution reports, deduction analysis report, name and address reports, mailing labels, personnel reports, and statistical reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** Programmer's Guide User's Guide**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Additional terms negotiable; site discounts available.**I.D. NUMBER:** 6760271

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**PAYROLL/PERSONNEL SYSTEM** **ARI**

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**DESCRIPTION:** The CYBORG Payroll/Personnel System handles multiple companies with hundreds of separate earnings and deductions. The expandable data base design allows each user to add, edit, and report on as many new fields as required without any reprogramming. CYBORG provides a complete payroll system with all states, city and county taxes and complete audit and accounting reports. CYBORG has automatic check reconciliation, historical reporting, and labor reports, including budget to actual comparisons with dollar and variance differences. The CYBORG report language allows for the creation of special reports or output files (card tape or disk) to meet a user's unique requirements without reprogramming.**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 central system with 32K of memory
- Printer
- Any input device
- Optional Disk or tape

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** ANS COBOL**DOCUMENTATION:** Very complete including brochure.**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** System expands or contracts depending upon needs of user.**I.D. NUMBER:** 6760489

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**PERSONNEL REPORTING** **ARI**

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**DESCRIPTION:** The Personnel Reporting System is a prepackaged system which enables the user to create and maintain a data base of employee personnel records. All current personnel data is maintained on the data base along with history which is automatically generated when a change is applied to the file. In addition to standard reports such as Salary Review Notices, Employee Benefits Statements, Absentee Accounting, EEO and many others, the system provides a complete staffing control module and a skills inventory/search capability. A very powerful user oriented report generator is also a standard module of the system. An interface module provides linkage to existing payroll systems and allows for a single data entry point for both systems.**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** ANS COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 6 76 0440**SALES/1****ARI**

**DESCRIPTION:** SALES/1 is a system to be used by sales people for the efficient organization of all sales contacts with potential customers and for stimulating the selling organization to initiate appropriate sales follow up actions. The system uses hard copy document files containing all correspondence, notes on telephone conversations, etc. between the seller and the customer. Synopses of these documents are maintained in a computerized file, together with codes and dates for the planned follow up actions. The system produces three regular reports in addition to the file maintenance reports. The company index shows the code and full name for every company on the file. The company report lists in chronological sequence synopsis of all documents related to that company as well as names of contacts, addresses, etc. The action log shows the follow up actions required to be performed in a specified time period.

The system is ideally suited to any marketing organization where sales require either substantial lead time or significant sales efforts.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** ANS COBOL**DOCUMENTATION:** System user's manual**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 6 76 0547**VOCATIONAL INFORMATION****ARI**

**DESCRIPTION:** This system is designed for organizations responsible for the vocational rehabilitation of disabled workers, the chronically unemployed, and students. The automation of a job matching procedure is combined with a data base containing local job market trends, training opportunities and entry level salaries. Job matching is based on the person's education, aptitudes, physical limitations, interests, behavioral characteristics, choice of industry, and work environment.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Tape
- Printer

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 6 76 0671**TRANSPORTATION****ROLIN'****UDA**

**DESCRIPTION:** ROLIN' (Rapid Online Information Network) is a modular online software application system for truck freight and terminal operations. ROLIN' is presented with three modules: Equipment Control, Online Freight Billing, and Online Rating System.

*The Equipment Control System* provides an up-to-the-minute status of all line haul equipment in the system. The information is contained in direct access files. The input data is provided by the terminal, regional, or central dispatchers. The data contained in the files is available on request or as periodic reports. Dispatch notice, arrival notice, tractor or trailer status change, constitute the input from the terminal. As each road unit is closed out and ready to depart, the dispatch is transmitted to the central processor by the terminal dispatcher. When the road unit arrives at a relay point, transfer terminal, or destination terminal, the arrival is transmitted to the central computer. This will update the trip file, the tractor/trailer file, and the terminal status files.

Whenever the status of a tractor or trailer is changed, the information is transmitted to the central processor. The central dispatcher knows at all times the information needed to prepare the dispatch assignments — current position of freight on hand, loads building, freight en route, and available equipment.

*The Online Freight Billing System* updates the billing data base each time the terminal generates a bill. This data base provides management with the following needed information upon request:

- Outbound activity — the previous day's total outbound shipments, revenue, and weight
- Inbound activity — the previous day's inbound shipments, revenue, and weight originated by the other terminals

The system features:

- Instantaneous customer shipment tracing
- Advance copies of freight bills
- OS&D conditions cleared more rapidly
- Faster billing of freight charges

*The Online Rating System* provides the capability of performing rating and auditing in one central location, thus increasing the productivity of rating personnel.

As soon as it is received by the computer, a bill can be displayed on a video display device and the rating is transmitted to the computer. The waybill may be audited prior to being printed at the destination terminal. This procedure ensures accuracy and reduces balance due billing and overcharge claims.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 256K of memory.
- Four disks
- DATANET with 64K words
- VIP 7700 CRTs
- TermiNet Printers
- 4800-band and 2400-band circuits

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact Marketing Manager, MS495, Waltham, MA 02154  
ROLIN<sup>®</sup> (3 modules) — AET6001  
Equipment Control — AET6002  
Online Billing — AET6003  
Online Rating — AET6004

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**FLEET MAINTENANCE** **ARI**

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**DESCRIPTION:** The system produces detailed, meaningful cost per mile reports on vehicles. It provides an efficient method by which independent small fleet owners/operators can readily assess data for financial control, audit, track fleet movement; improve maintenance methods; and pinpoint maintenance cost trends.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 77 0674

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**VEHICLE SCHEDULER** **ARI**

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**DESCRIPTION:** The system is useful to a distributor with multiple sites and various daily routings. The system matches up partial load deliveries in the same vicinity. It chooses the most efficient delivery route(s), making cost-effective use of available delivery vehicles. It handles bad weather or poor road conditions. A billing module is available.

The system can be used by oil companies, bakeries, delivery services, and fuel oil dealers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 40K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Implementation and set up charge. Customer is under no obligation if system does not perform to customer's satisfaction.

**I.D. NUMBER:** 6 32 0676

## UTILITIES

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**ELECTRIC UTILITY CORPORATE MODEL** **ARI**

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**DESCRIPTION:** This system is a core package tailored for individual investor-owned utilities. It permits integrated operations analysis through simulated income, cash flow and balance sheets; forecasts utility goals and objectives, problem/opportunities, other "what-if" questions. The program may be used for purposes of analysis and planning for periods ranging between 1 to 25 years.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 78 0418

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**ELECTRIC UTILITY FINANCIAL MODEL (ELFINMOD)** **ARI**

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**DESCRIPTION:** The ELFINMOD System, given capital and operating expenses by year, will simulate future financial obligations using Federal Power Commission Uniform System of accounts as a model. The program may be used for purposes of analysis and planning for periods ranging between 1 to 25 years.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 78 0419

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**ELECTRIC UTILITY NETWORK ANALYSIS PROGRAM (EUNAP)** **ARI**

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**DESCRIPTION:** EUNAP is a three phase program which analyzes transmission unbalanced conditions, (parallel lines on common rights-of-way), effects of unbalanced loads (railway electrification), need for transposition lines and so forth. The capability of the program is 50 three-phase buses.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**ID. NUMBER:** 6 78 0423

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**ENGINEERING LOAD FLOW (ELF-20) ARI**

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**DESCRIPTION:** This large-scale production load flow program is to analyze ac and ac/dc power systems. It also interfaces with EST-20. The system investigates power transfers between companies, pools and regions, and demonstrates adequacy of system expansion plans. The capability of the program is 600 generators, 2000 buses and 4000 lines.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 6 78 0422

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**ENGINEERING STABILITY (EST-20) ARI**

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**DESCRIPTION:** This is a large-scale production transient stability program to analyze ac and ac/dc power systems. It also represents static var control. The system achieves multiple swing capability by using boilers, exciters, load dynamics, underfrequency load shedding and protective relaying. This program handles up to 600 generators.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 6 78 0420

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**FORTRAN ANALOG COMPUTER EQUIVALENT (FACE) ARI**

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**DESCRIPTION:** FACE is a general purpose digital simulation program used for control design studies when specific programs are unavailable. Applications include boiler dynamics and control strategy associated with gas turbine spinning reserve operation. This program handles up to 200 integrators, 1000 potentiometers, optimizer, and plotter.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66  
**PROGRAMMING LANGUAGE:** FORTRAN  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**ID. NUMBER:** 6 78 0421

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**MONTHLY PRODUCTION SIMULATION (MPS) ARI**

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**DESCRIPTION:** MPS provides hourly simulation of a generation system's operation. It uses deterministic or stochastic options to present key results for fuel budgeting, financial planning and evaluating generation alternatives. The maximum duration of study is 30 years with 150 generating units.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 6 78 0417

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**UNIT COMMITMENT (COMMIT) ARI**

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**DESCRIPTION:** This system employs logical economic and operational facts to select generating units which will adequately serve an estimated daily load.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**ID. NUMBER:** 6 78 0425

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**VOLTAGE DIP (VLTDIP) ARI**

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**DESCRIPTION:** This system predicts power plant voltage dips when starting large auxiliary motors. The input parameters include standby generator characteristics, excitation system evaluation, static var supply, auxiliary transformer impedance, detailed motor and load representation, and examines the effect of connecting other loads to the same bus. This program handles a system of one induction motor supplied by 1 generator through a single line.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 100K of memory
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

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**A PROGRAMMING LANGUAGE/66  
(APL/66 LEVEL II)**

**UDA**

**DESCRIPTION:** A Programming Language/66 (APL/66) is a translation of A Programming Language to the Series 60 Level 66 Honeywell General Comprehensive Operating Supervisor (GCOS) environment. APL/66 originated as a Mathematical notation for the discussion of the theory of algorithms.

APL/66 can be characterized as a line-at-a-time desk calculator with many sophisticated operators and a stored program capability. The user needs little or no prior acquaintance with digital computers to use it. After invoking APL/66, the user types an expression to be evaluated. The APL interpreter performs the calculations, prints the result, and awaits the new input line.

The APL/66 language uses its own specially designed character set, in which each operator is represented by a single character. The most convenient access to APL/66 is via an APL terminal with an APL/66 typing element. APL/66 is also usable from any ASCII terminal as well, although the user must be aware of the typing conventions used to represent some of the APL/66 characters within the framework of the available ASCII graphics.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system configured and equipped for time sharing

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** Assembly

**DOCUMENTATION:** User's Guide (DD78)  
Product Brief (AW89)

**SHIPPING MEDIUM:** Perm Save Tape (AEL6011)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 36 months.

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**ACCOUNTING REPORT GENERATOR**

**ARI**

**DESCRIPTION:** This system illustrates a method of consolidating financial statements through the use of a report generator that is completely controlled by the accountant. It features methods of creating heading and detail line descriptions, controlling vertical and horizontal information placement format, variable sub-totaling, calculation of financial measurements, and complete control over the data content on each report.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 central system with 32K of memory
- Three tapes
- Terminals
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 05 0411

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**AGECS** **ARI**

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**DESCRIPTION:** AGECS, a generalized communication system, is a transaction-driven system capable of handling over 20 input messages per second. Application programs can be written in any Series 6000 language and use standard I-D-S. Interface is with two standard subroutine calls.

GCOS is unmodified and the system works in multiprocessing and extended memory environments. A DATANET 355 Front-End Network Processor, operating under 16K GRTS, runs more than 300 terminals.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 central system with 24K of memory
- Disk (varies with volume)
- DATANET 355 FNP with 16K
- U-100 and DCT 1000 Terminals or equivalent (can be modified to support other terminals)

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** GMAP

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 05 0152

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**AUTOVERSION** **ARI**

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**DESCRIPTION:** This program reads the old version disk of software and automatically creates the JCL necessary to preallocate, copy, and create the files or libraries on a disk file. The JCL file is called from the console and does the copy. The program includes a feature whereby a user may specify up to 100 files and/or libraries not to be copied to the new version software disk. Old version system software is eliminated automatically. The program is fully documented with comments as to the purpose of each section, method of inserting new parameters in the prealloc, copy, and create JCL. The purpose of Autoversion is to reduce preparation of JCL by a staff member when going from one version of software to another.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 32K of memory
- Two disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Operator's Instructions Program Narrative JCL with comments

**SHIPPING MEDIUM:** Disk or 96-Column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 05 0534

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**BLISS-11 CROSS-COMPILER** **ARI**

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**DESCRIPTION:** This package permits a Honeywell 6000 user to develop systems software for the PDP-11 using the BLISS-11 language. There are four basic components:

- PDP-10 to Series 6000 Translator — Translates PDP-10 relocatable object files into Series 6000 core image files.

- PDP-10 Operating System Simulator — Interfaces the Series 6000 core images to GCOS. Simulates PDP-10 operating system calls into GCOS calls.
- BLISS-11 GCOS TSS Interface — Provides for execution of the BLISS-11 compiler from a time sharing terminal.
- File Conversion Utilities — Convert file formats from GCOS system standard format to PDP ASCII format, from PDP-11 ASCII to GCOS printer listing format and from 6000 core image files to GCOS H\*files.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 with 70K of memory.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** BLISS-10; GMAP

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 05 0012

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**COBOL-74** **HDS**

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**DESCRIPTION:** The Level 66 COBOL-74 compiler is a new language that operates in the multiprogramming environment under GCOS. This compiler conforms to American National Standard COBOL-74. It offers extensions in the nucleus and communication modules. I-D-S/II subschema and DML (Data Manipulation Language) capabilities are integral features of the compiler. The compiler accepts source program input from cards, remote terminals, user files, the source library files, I-D-S/II data base subschema files, and the user copy library files. The compiler produces an object-code compilation unit that can be linked with other compilation units from programs written in COBOL-74 or other source languages to form an executable run unit.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central systems with 131K of memory

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DC36)  
Reference Manual (DE01)  
User's Guide (DE02)

**SHIPPING MEDIUM:** SFL6001

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**COMFORT** **ARI**

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**DESCRIPTION:** Comfort organizes FORTRAN statement labeling numbers into sequential order within the source program. Increments can be specified between statement numbers so that subsequently inserted numbers need not disrupt the order. In addition to renumbering, the package can remove the leading blanks from statements, number and label the source lines in the last eight columns. Optionally, Comfort collects and moves the Format statements to the end of the program and allocates a separate statement numbering system for them. Comfort also produces FORTRAN cross-reference tables. These tables show the line numbers at which labels and variables are referenced within the source program. Comfort may be used in batch or interactive mode.



**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 20K of memory
- Disk or tape
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** FORTRAN**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D.NUMBER:** 6 05 0529

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**COMPILER B****UDA**

**DESCRIPTION:** The programming language "B" is a high level system software implementation language. It supplements the languages available on the Level 66, since it fits between the application languages of FORTRAN, COBOL, or I-D-S, and the assembler language GMAP. B provides a high-level language environment, supported both by an extensive library of over 140 routines useful for writing systems software, and by a set of timesharing commands which are the tools required to write, compile, maintain and test programs written in B.

B has been used to write time sharing commands, language compilers such as PASCAL and B itself, text editors, phototypesetting text formatters, software monitoring tools, file utilities, cross assemblers, simulators, and debuggers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Series 6000 with 25K of memory and extended instruction set (EIS)

**OPERATING SYSTEM:** GCOS Level 66 Release 3/1**PROGRAMMING LANGUAGE:** B**DOCUMENTATION:** Preliminary Documentation available through Software Acquisitions M/S 496, Waltham, MA 02105**SHIPPING MEDIUM:** 1 Tape (SEL 6014)**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**DATA GENERATOR — PRO/TEST****ARI**

**DESCRIPTION:** The PRO/TEST Data Generator creates data for programs written in COBOL, BAL, PL/1, DL/1, RPG, and other languages. Data generation is not dependent on the availability of a program or the schedule of a programmer.

It is a comprehensive data generator that creates fixed or variable length records in sequential, indexed sequential. Fields can contain single or multiple record formats in any sequence. Fields and records can be generated conditionally.

It's easy to learn and use. Parameters are concise and understood by non-programmers, auditors, programmers and analysts. Documentation is comprehensive with many examples. It documents the testing process. PRO/TEST reports provide a record of conditions tested and a complete set of statistics and batch totals. PRO/TEST is efficient. It needs no work files and executes at I/O speed.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 central system with 20K of memory.
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** GMAP**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Maintenance available.**I.D.NUMBER:** 6 05 0513

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**DIRECT****ARI**

**DESCRIPTION:** DIRECT is a comprehensive data base management system which provides the following capabilities:

- Multiple random retrieval keys (up to 999 per record)
- Random retrieval using partial key values (first n characters)
- Sequential retrieval — next, prior, and unordered
- Duplicate keys and the capabilities to handle them
- Variable-length records (1 — 4095 words)
- Multiuser access with no restrictions on concurrent data base update
- Support of user's COBOL programs, utilizing the CALL procedure
- Extremely easy to use (procedural approach to data base design); user training requires less than one day

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 11K of memory
- Disk, dependent on size of user's data base
- Tape drive for recovery journal

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** GMAP**DOCUMENTATION:** User Manual**SHIPPING MEDIUM:** Magnetic tape**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance included in purchase/rental. User education (up to two days) provided at user site. Additional consulting services available on contract basis.

**I.D.NUMBER:** 6 05 0259

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**DYNAMIC UNIVERSAL ASSEMBLY LANGUAGE (DUAL)****ARI**

**DESCRIPTION:** DUAL is a vast extension of previous meta/macro assemblers. Its extensive set of directives and functions allow users to define cross assemblers (containing the full macro assembler facility of DUAL) for virtually any target machine. In addition, the DUAL system contains a powerful linkage editor which accepts as input DUAL's object language (relocatable, absolute, csect, dsect, common, externals, etc.) and output a load module for a simplistic loader.

DUAL can be used as a cross assembler, macro assembler, meta processor for higher level languages, or a source conversion tool.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 128K of memory
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** COBOL**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 6 05 0507

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**FORTRAN-Y CROSS COMPILER** **ARI**

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**DESCRIPTION:** This system permits a Series 6000 user to develop and debug programs in FORTRAN-Y on the Series 6000 in the normal manner and then, using the cross-compiler, load the programs in object code on PDP-11/40 or 45 minicomputers. The same programs can then run on Series 6000 or PDP-11 as desired.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 central system with 40K of memory

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** GMAP**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Maintenance option included for first year.**I.D. NUMBER:** 6 05 0013

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**GENERAL COMPREHENSIVE OPERATING SUPERVISOR (GCOS)** **HDS**

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**DESCRIPTION:** GCOS Level 66 incorporates multi-programming, multiprocessing, local and remote processing capabilities, plus the latest concepts of file system design, communications, and time sharing. Under GCOS, the dimensions of batch processing, remote access processing, transaction processing, and time sharing are integrated, GCOS controls, schedules, and monitors all activities of the Level 66 information system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system

**SHIPPING MEDIUM:** Tape**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**HONEYEDIT — LEVEL 66** **LIC**

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**DESCRIPTION:** Honeyedit is a set of time sharing commands for providing powerful text editing facilities in Build mode. There are ten commands for editing line numbered files for users of ALGOL, BASIC, CARDIN, and FORTRAN and any other time sharing system that operates in Build mode.

The editing commands are patterned after a popular text editing and job preparation system called WYLBUR, developed at Stanford University. WYLBUR has established a reputation for being the easiest to learn of all text editors that are reasonably powerful and the most powerful of the text editors that are easy to learn.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Series 6000 central system

**OPERATING SYSTEM:** TSS/GCOS Release E or later**DOCUMENTATION:** User's Guide (AW44)**SHIPPING MEDIUM:** Filmsys User Save Tape (SEU6001)

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**INTEGRATED DATA STORE/II** **HDS**

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**DESCRIPTION:** I-D-S/II is a new and powerful system for describing, creating, and maintaining a data base. I-D-S/II supports an integrated data base environment with a number of sophisticated software modules. These include translators for defining the data base and media environment, a translator for defining and validating data base subsets, a COBOL-74 compiler, run-time data base control subroutines, and data dictionary facilities for evaluating changes to a data base. I-D-S/II can be used by the manufacturing, distribution, insurance, and banking industries to establish a dependable, centralized data base. Some of the significant system design and programming features of I-D-S/II include:

- Data Independence — The structure of stored data can be changed without having to change the application programs that use that data.
- Variety of Data Structure — These structures can be singular, tree, hierarchical, or network in any combination.
- Large Data Base — Easily implement integrated data bases containing up to 68 billion records.
- Interactive Access — With Interactive I-D-S/II, a comprehensive time sharing language, have immediate online access to information in the data base.
- Data Security — With privacy locks and keys, can limit access to information in a data base down to the data item level.
- Hardware Independence — Processor and device independence provide for easy upward growth as needed.
- Restructuring Utilities — Extensive restructuring capabilities allow a data base to be changed after the design and implementation stages.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system (also runs on Series 6000 systems with the Extended Instruction Set)

**OPERATING SYSTEM:** GCOS Level 66**PROGRAMMING LANGUAGE:** COBOL-74**DOCUMENTATION:** Product Brief (DE19) Brochure (DE71)**SHIPPING MEDIUM:** SED 6002**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**LISP — LEVEL 66** **UDA**

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**DESCRIPTION:** LISP/66 is an interactive LISP interpreter. In addition to providing most of the standard functions of other LISP systems, LISP/66 offers improved character handling facilities and a file-oriented input/output system. LISP has been in use in educational and research institutions for many years. Several packages have been implemented using LISP such as ELIZA (a program which

acts as another person in a conversational dialog) and REDUCE (a symbolic algebra package which can solve equations and perform integrations and differentiations).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system

**OPERATING SYSTEM:** TSS/GCOS Release E or later

**DOCUMENTATION:** User's Guide (AW41)

**SHIPPING MEDIUM:** Filsys User Savetape (SEL6012)

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**MAC/RAN III**

**ARI**

**DESCRIPTION:** The MAC/RAN System is a comprehensive package of integrated processing procedures which perform all the necessary functions for complete reduction of time series data. This type of data occurs frequently in such application areas as vibration, acoustics, oceanography, seismology, and structural dynamics. The MAC/RAN III system is written entirely in a version of ANS FORTRAN IV that is compatible with the major FORTRAN dialects.

MAC/RAN III consists of a set of ten computational modules designed around a system executive or monitor. Each of the computational processors is completely independent; this allows addition, deletion, or modification to be performed on any of them without affecting the others.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 32K of memory.
- 12 Units of disks and/or tapes
- Reader
- Printer
- Punch
- Plotter

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** Reference and application manuals included in purchase price.

**SHIPPING MEDIUM:** Disk or tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation help available at cost of travel, etc. Maintenance first year free.

**I.D. NUMBER:** 6 05 0567

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**MANAGEMENT DATA QUERY  
SYSTEM II (MDQS/II)**

**HDS**

**DESCRIPTION:** MDQS/II provides the capability to extract and display data from Series 60 Level 66 data files. It operates on sequential, index sequential, random, and integrated data files to retrieve data for report generation and computation. MDQS/II provides extensive sorting and reporting capabilities.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system (also runs on Series 6000 Systems with Extended Instruction Set)

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DB99)  
Brochure (DE32)

User's Guide (DC80)

Administrator's Guide (DC81)

**SHIPPING MEDIUM:** SFP 6002

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative

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**MANAGEMENT DATA QUERY  
SYSTEM IV (MDQS IV)**

**HDS**

**DESCRIPTION:** MDQS IV provides the capability to extract and display data from Series 60 Level 66 data files. It operates on sequential, index sequential, random, and integrated data files to retrieve data for report generation and computation. MDQS IV includes a data manipulative language and capabilities for file creation, maintenance and modification.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system (also runs on Series 6000 Systems with the Extended Instruction Set)

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DB99)  
Brochure (DE32)

**SHIPPING MEDIUM:** SFP 6004

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MASS STORAGE UTILITY**

**FDA**

**DESCRIPTION:** The Mass Storage Utility package performs a variety of reporting and utility functions on disk packs for a L66 system. The package consists of two programs, MASUTL which is a privileged slave assembly program used for gathering information and performing several mass storage services, and MASPRT which is a COBOL program for handling the reports. There are seven main functions; the purpose of each described below:

- **MAP.** — maps any mounted pack on the system showing the physical location of all GCOS and user files on that device by llink number. Defective areas and space available for allocation are also reported. Lengths of the files and extents of noncontiguous files are shown. A second report gives the same information as above, sequenced by file name rather than llink for ease in location of a particular file. A third error report shows any areas whose allocated space overlaps.
- **FIND.** — produces a map of a specified llink interval on a device limited to the given section of the disk, by llink number only.
- **ALLOC.** — examines a given device for any space on the disk assigned to two different users
- **CKSUM.** — reads and checksums all of the FMS catalogs on a device and reports any errors by users and sector number
- **PRINT.** — produces an octal dump of specified portions of mass storage devices
- **LABEL.** — enables the user to create or repair a pack label on any mounted removable device
- **DELETE.** — marks a given disk area defective, provided it is not GCOS space

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 32K of memory
- 1 EIS processor
- 1 SCU
- 1 IOM
- Disk packs, card reader, printer, console

**OPERATING SYSTEM:** GCOS Level 66 Release H or later

**PROGRAMMING LANGUAGE:** COBOL, GMAP

**DOCUMENTATION:** User's Guide (CB87)

**SHIPPING MEDIUM:** 1 TAPE (SEU 6005)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**MICROMATION MANAGEMENT SYSTEM ARI**

**DESCRIPTION:** The Micromation Management System uses system standard print files to create a tape for film or fiche creation on Datagraphix 4500 offline computer microfilm. Control card directives provide for indexing, fiche breaks, titles, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 central system with 15K of memory
- Tape (9-track)
- Datagraphix 4500 Communications Processor
- Card reader

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** GMAP

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 05 0151

**NETWORK PROCESSING SUPERVISOR (NPS)****HDS**

**DESCRIPTION:** NPS is the powerful system of control programs directing the operation of the DATANET 6600 Front-End Network Processor. NPS encompasses and supports these processing environments:

- Remote job entry from widely separated locations for centralized information processing
- Transaction processing via data entry devices
- A broad range of time sharing services
- Message switching, ranging from local service to nationwide capabilities
- Direct program access for rapid execution of online applications transactions
- Data collection and distribution

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN; COBOL; GMAP

**DOCUMENTATION:** Product Brief (DC76) Reference Manual (DB63)

**SHIPPING MEDIUM:** H6600J6.000L

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**PASCAL — LEVEL 66****UDA**

**DESCRIPTION:** The PASCAL compiler for the Honeywell Series 66 provides the time sharing user with a powerful and versatile language that compiles and runs under TSS. PASCAL is the favorite language of computer science today. It has good control structures and powerful data structuring abilities, yet it is a simple language. PASCAL is recommended for teaching introductory programming, but it is also intended for general purpose programming. Its features make PASCAL a practical alternative for numeric computing, business data processing, or even systems programming.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Series 6000 central system with EIS

**OPERATING SYSTEM:** TSS/GCOS Release E or later

**DOCUMENTATION:** User's Guide (AW65)

**SHIPPING MEDIUM:** Filsys User SAVE Tape (SEL 6013)

**PL/I****HDS**

**DESCRIPTION:** PL/I is a language processor designed for commercial, scientific, and systems programming applications. It is a block structured language that permits both internal (local) and external (global) variables and procedures. A comprehensive set of data formats gives PL/I considerable data descriptive power. These include 16 distinct types of arithmetic data, character string, bit string, locator, label, entry, file, and area data. In addition, compilation and execution can be initiated through either batch or time sharing CARDIN. Programs written in advanced PL/I ensure future expandability and ease of maintenance.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 196K of memory (also available on Series 6000 systems)

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DB25) Multics PL/I Language Manual (AG94) Multics PL/I Brief (AK69)

**SHIPPING MEDIUM:** SFL 6002

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**PRODUCTION CONTROL LANGUAGE****ARI**

**DESCRIPTION:** The Production Control Language (PCL) is a real time subsystem which allows submission of JCL job streams without card decks. The control clerk identifies the application desired at a terminal. The resultant JCL is selected from the available options and submitted to the computer. Highlights include: terminal or computer console driven; stand-alone, direct access program; swaps when inactive; has a time share test mode; modular programming; security for sensitive applications; substitutes the use of English for JCL. Applications can be quickly installed individually with all their optional JCL. Benefits include elimination of countless JCL card decks; reduces reruns due to keypunch errors; allows safe, consistent and accurate duplication of JCL, data, and parameter cards; provides a means for more accurate

computer accounting records; enhances computer security of sensitive applications by elimination of JCL card decks.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 18K of memory
- One disk
- Optional FNP

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN and GMAP

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 05 0548

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**REMOTE NETWORK PROCESSOR (TAPE/CARD) HDA**

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**DESCRIPTION:** The initial release of the standard system programming package provides remote batch functions in conjunction with a Series 600/6000 system and DATANET 355/305 Front-End Network Processor. Communications line speeds up to 9600 bits per second may be used with the first release.

Future releases planned will provide online magnetic tape input/output with offline conversion to/from cards and to print together with up to 50,000 bits per second communications capability.

**MINIMUM HARDWARE REQUIREMENTS:**

- Type RCP702 Remote Processor which includes 716 CP with 4K of memory (HSA and BSR not included)
- KSR console teletypewriter
- DMC adapter
- Synchronous single line controller
- Card reader or card reader/punch
- Printer

**PROGRAMMING LANGUAGE:** DAP Assembly

**DOCUMENTATION:** Product Brief (Ref. RCP 702 Sec) (AK75)

Users' Guide (in field test status)

Systems Generation Guide (in development status)

**SHIPPING MEDIUM:** Source Tape (H-200 Social Format) or Source Card (in field test status); Self-Loading Binary Card (in field test status)

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**REQUEST ARI**

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**DESCRIPTION:** The REQUEST System operates on a "data dictionary" concept. The data dictionary is a file which defines the exact nature and structure of the data files. The data dictionary contains information concerning each element on the file such as the type of element, its format, its repetition factors, and its location. Utilizing the data dictionary concept the REQUEST System can operate on any file without requiring changes to its structure. In addition, changes to the file, such as new elements, require no programming, but simply changes to the data dictionary.

The REQUEST System is totally conversational in ordinary English language. The user is prompted at the terminal (either CRT or hardcopy); no computer expertise is required. All input is immediately edited as to format and ranges of values. The interaction is conversational not only for retrieving information and updating files, but

also for developing "ad-hoc" reports. The system guides the user in the development of the report. Two ancillary capabilities, the development of simulation models and graphical output, are also interactive, conversational procedures.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- Disks
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Various options available.

**I.D. NUMBER:** 6 05 0524

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**STRUCTURED FORTRAN PREPROCESSOR ARI**

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**DESCRIPTION:** This processor supports extensions to the FORTRAN language that handle the following structured programming constructs:

- If then else
- Perform
- Do while
- Do until
- Do forever
- Do case

Input to the preprocessor is any forty statement plus those that handle the above constructs. Output is standard forty ready for the forty compiler. Do loop nesting is allowed and diagnostics are provided.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000 central system with 20K of memory
- Forty compiler
- Disk
- Card reader
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** User instructions

**SHIPPING MEDIUM:** Tape, 9 tr 800 or 1600 BPI (supplied by purchaser). Tape contains C\* and source (source is written in structured FORTRAN).

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 05 0383

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**TAPE TESTING SYSTEM FDA**

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**DESCRIPTION:** The Level 66 Tape Testing System is an aid in controlling the quality of magnetic tapes used by an installation. When this facility is implemented, the user can test all "scratch" tapes on site and can determine which tapes are faulty according to specifications which are defined by each site by use of a special data card.

Combined with careful recordkeeping of conditions that appear to be causing tape problems, i.e., faulty tape handlers, the Tape Testing System is a means of ensuring that the sites' standards for tape quality control are adhered to. The system will handle both 7- and 9-track tape and all densities.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Series 6000 central system with 15K of memory

**OPERATING SYSTEM:** GCOS Level 66 Release H or later

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** User's Guide (AZ74)

**SHIPPING MEDIUM:** Savemast tape (SEU6004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**UNIVERSAL TOTAL 66****LICENSE**

**DESCRIPTION:** TOTAL is a program product that provides a data base management facility. It functions with host languages COBOL and FORTRAN. It provides input and output access to a random file.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** Object code available

**DOCUMENTATION:** User Manual (DE28)

**SHIPPING MEDIUM:** Universal TOTAL 66 on tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

- On fully paid-up license, software maintenance updating charge invoiced annually commencing 1 year after delivery
- License Option Credits (LOC) of 50% of first six months of monthly license fees paid may be applied toward conversion to a fully paid-up license
- Installation and System Support available at the current worker-day rate plus travel and lodging.

**REFTRAN****ARI**

**DESCRIPTION:** REFTRAN produces comprehensive symbolic name cross-reference dictionary from FORTRAN source programs. This dictionary provides analysts and programmers with a depth of documentation, and is helpful in the everyday tasks of understanding, debugging, changing and converted FORTRAN programs. The REFTRAN dictionary is organized alphabetically by symbolic name and shows the actual FORTRAN statement in which the symbolic name appears along with the associated program name. Selected FORTRAN statements names such as CALL, FORMAT, READ, WRITE, ENTRY and RETURN are also included in the dictionary as symbolic names. REFTRAN can be adapted to any computer having a FORTRAN IV capability and random (direct) access facilities for FORTRAN programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 600/6000 Model 636 central system
- Printer
- Card reader, punch

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN IV

**DOCUMENTATION:** Users Manual, Programmers Manual

**SHIPPING MEDIUM:** Source deck of cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Purchaser must sign agreement not to sell or provide REFTRAN as a service.

**I.D. NUMBER:** 6 05 0594

**SYSTEM ANALYSIS AND RESOURCE ACCOUNTING SYSTEM****ARI**

**DESCRIPTION:** The System Analysis and Resource Accounting System provides assistance in measuring and evaluating the job processing of Honeywell Series 60 and Series 6000 computers operating under GCOS. The system plays a dual role in computer management. First, it produces reports on statistics which are indicators of operational efficiency, equipment utilization and workload performance. Second, it produces a comprehensive, yet condensed, data base from which accounting reports may be derived. The input to the system is data recorded by GCOS in the Statistical Collection File. Using information recorded about key system events, it reconstructs a picture of the internal job flow of the computer. Then, assuming an activities processor and channel time are uniformly distributed over an interval, the system determines the aggregate workload, by resource, of concurrent job processing. The changing states of workload are then analyzed and reduced to derive the utilization and allocation statistics and performance indicators which are the primary output of the system. The resulting reports give a multifaceted, yet coherent, view of a workload's impact on a computing system.

Two data bases are generated from a system execution. One, The Management File, is input to the optional System Analysis and Resource Accounting System Management Reporting System to produce quick high-level management indicators of resource usage trends and projections. The other, the External file, is input to the optional System Analysis and Resource Accounting System Report Writer, from which the user designs reports meeting unique user requirements.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 50K of memory
- Tape
- Disk (500 links)
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** FORTRAN, COBOL, GMAP

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** This offering does not apply to federal government installations. Federal agencies may acquire the System Analysis and Resource Accounting System in accordance with the terms and conditions of the GSA ADP Schedule Price List. Maintenance option available.

**I.D. NUMBER:** 6 05 0578

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**INTEGRATED DATA STORE (I-D-S)  
DATA DICTIONARY****FDA**

**DESCRIPTION:** The I-D-S Data Dictionary is a pre-programmed computer application that establishes the foundation for a user to implement a customized data dictionary system. Built and oriented around a common data base, the Dictionary aids the integration, management, and control of the data elements that affect a data base system. It features exception processing and privilege deletions via password protection. It encompasses data element reporting, dictionary indexes, record creations, where used reports, I-D-S chain definitions, online maintenance via transaction-driven systems and normal maintenance reporting.

The data dictionary system consists of routines that analyze COBOL, index sequential processing and TDS source programs. The analysis determines which data elements a source program is accessing and how each data element is utilized within the program.

The I-D-S Data Dictionary offers a wide range of capabilities to be used throughout the complete analysis, design, and implementation cycles of data resources. Within I-D-S, the data dictionary can be used during each of the following stages:

- Data analysis to determine the fundamental structure of data
- Functional analysis to determine the way in which events and functions use data
- Data base or conventional file design
- Storage structure design, where used as a refinement of the initial data base or file design
- Operational running of application programs
- Performance statistic collection and evaluation
- Performance tuning of data bases
- Application maintenance and data base restructuring

Coordinated functions of the Data Dictionary include: the creation of keyword, title and COBOL mnemonic indexes; the creation of dictionary reports and record definitions; the resequencing of data elements if required; data element deletion protection; a user option field that can be interfaced to other software; the building, maintenance, and listing of chain definitions; and the spawning of JCL for listing elements, changes and additions. The dictionary reacts dynamically to changes in data element characteristics and can resequence itself as well as delete elements.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with a minimum of 48K words

**PROGRAMMING LANGUAGE:** COBOL-68

**DOCUMENTATION:** Product Brief (DJ13)  
System Handbook (DJ11)  
User's Guide (DJ12)

**SHIPPING MEDIUM:** SEP 6102 Tape (object and source code)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product.

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**RESOURCE MONITOR****FDA**

**DESCRIPTION:** The Level 66 Resource Monitor is designed to give a data processing manager or an operations director a means of monitoring the usage of peripheral and mainframe equipment in order to keep up with user demands. By effectively utilizing the Monitor reports, a manager can readily determine how effectively the computer is being used. The Resource Monitor will produce the following major reports:

- Job Monitor Report — how much processor and input/output time was used for a selected job(s) (by SNUMB)
- Peripheral Allocator Status — how many jobs are waiting for tapes or other peripherals, the number of jobs in limbo, and how many are in the sieve
- System Status — the number of jobs waiting in Sysout, how much Sysout space is available, how many printers/punches are being driven, as well as the number of remotes being used
- System Scheduler — the number of jobs running or waiting from .EXPRS as well as other classes
- Time Sharing — how many TSS users are on the system, the number of urgent users, and what the size of TSS is in K (K=1024 words)
- Idle Time — idle time chart for each processor

The Monitor also produces reports for various other purposes such as peripheral channel usage, total K of memory available for programs, and the number of jobs currently swapped or waiting for core.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 6000, Series 60 Level 66 or Level 66/DPS central system

**OPERATING SYSTEM:** GCOS Release 2/H or later

**DOCUMENTATION:** User's Guide (Preliminary)

**SHIPPING MEDIUM:** System Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product.

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**DATA MANAGEMENT-IV****HDS**

**DESCRIPTION:** Data Management-IV (DM-IV) is an integrated set of software subsystems for Series 60 Levels 66 and 66/DPS. It focuses on information needs with integrated, online data management capabilities. Both ad hoc and routine tasks can be performed via interactive conversation with the system. Functionally, DM-IV contains a data base manager and other subsystems for online transaction processing, interactive inquiry, and reporting/update. DM-IV has an interface for concurrent processing in remote and local batch as well as time sharing. The major subsystems in DM-IV are: Transaction Processor, Query and Reporting Processor (QRP), Procedural Language Processor (PLP), Data Manager, Batch Interface, Time Sharing Interface.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Level 66/DPS central systems, Series 6000 system with Extended Instruction Set (EIS)

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Briefs (DF24, DF26, DF25, DF13, DF12) Reference Manuals (DF73, DF74, DF76, DF77, DF78, DF79, DF80, DF81, DG27, DF44, DF45) Brochure (DF06)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### **DATA MANAGEMENT-IV DATA MANAGER**

**HDS**

**DESCRIPTION:** The DM-IV Data Manager controls the structure of and directs access to the data bases utilized by the online and batch processing subsystems in DM-IV. The Data Manager provides data independence for user programs. The structure of the data stored in a data base can be altered without changing the using programs. By using a common data base definition and description language (DDL), the data base can be extended or modified without using program recompilation.

The Data Manager supports both indexed and integrated files within a single data base; any number of data bases, over 68 billion records per data base; unlimited entry points into a data base; virtually any type of data structure — singular, hierarchy, tree, network, cycle, inverted and mixtures.

The Data Manager provides for:

- Concurrent access control to common, shared data bases in both online and batch modes
- Standardization through CODASYL compliance
- Data Integrity through system journalization, automatic recovery and restart
- Data Security through privacy locks and keys to limit access to data base down to the data item level including encryption/decryption
- Data Base Administrator Control System
- Data Dictionary
- Time Sharing Interface

The Data Manager languages include:

- Data Definition Language (DDL)
- Device/Media Control Language (DMCL)
- Data Manipulation Language (DML)
- Application Language — COBOL-74 and FORTRAN

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Level 66/DPS central system, Series 6000 system with Extended Instruction Set (EIS)

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DF26) Reference Manuals (DE09, DE11, DF76, DF77, DF78, DG27)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### **DATA MANAGEMENT-IV TRANSACTION PROCESSOR**

**HDS**

**DESCRIPTION:** The DM-IV Transaction Processor is a communications-oriented executive capable of simultaneously processing a variety of transactions from a large

number of local and remote terminals. The Transaction Processor completely controls the flow of information between the computer and the user.

The Transaction Processor enables the user to describe transactions, establish efficient real-time control, and organize information recovery procedures. Since the interfaces are interactive, the terminal user needs little experience to communicate with the Transaction Processor and no programming experience to use it.

Within the Transaction Processor, a series of executive and message managers provides efficient and automatic management of data bases, transaction resources, terminals, recovery and restart procedures, and system privacy.

The Transaction Processor achieves high-transaction throughput for a variety of application programs, and provides fast response time for large-volume, online traffic. It is completely compatible with other Honeywell data and communications control software, including the Remote Terminal Supervisor (GRTS) and the Network Processing Supervisor (NPS).

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system
- DATANET 6600 Front-End Network Processor

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DF25) Reference Manuals (DF44, DF45)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### **DATA MANAGEMENT-IV QUERY AND REPORTING PROCESSOR**

**HDS**

**DESCRIPTION:** The DM-IV Query and Reporting Processor (QRP) provides for terminal access and display of data controlled by the DM-IV Data Manager. A special conversational option is available for inexperienced users. The QRP procedure language provides for retrieval, computation, sorting, and output generation.

QRP allows each user to specify one of four languages (English, French, German, or Italian) to be used by the system. Using six verbs, the user can generate reports and direct these reports to remote terminals, central-site or remote printers, or time sharing report files.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system, Series 6000 systems with the Extended Instruction Set (EIS)

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DF12) Reference Manuals (DF79, DF81)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### **DATA MANAGEMENT-IV PROCEDURAL LANGUAGE PROCESSOR**

**HDS**

**DESCRIPTION:** The DM-IV Procedural Language Processor (PLP) provides a more powerful extended data retrieval, updating, and processing capability than the



DM-IV QRP. (See Data Management-IV Query and Reporting Processor).

PLP permits the user to:

- Create permanent file space and store records
- Retrieve data qualified by Boolean criteria
- Perform retrievals from multiple data bases
- Update multiple data bases in concurrent mode from multiple transaction files
- Store and/or delete records
- Write and/or read auxiliary files
- Perform table look up
- Establish data base and/or procedure checkpoints

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 System, Series 6000 systems with the Extended Instruction Set (EIS)

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DF13) Reference Manual (DF80)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**TRANSACTION PROCESSING EXECUTIVE-II (TPE-II) HDS**

**DESCRIPTION:** TPE-II is an operating software subsystem that provides all the functions a user needs for an online, real-time system. TPE-II performs transaction management, assuming control over transaction processing application program (TPAP) initiation, resource allocation, output processing, and the interfaces to the Level 66 communications facilities.

The primary TPE-II functions include:

- TPAP scheduling, initiation, and memory allocation
- Communications processing interfaces
- Certain network control functions
- Recovery functions necessary to continue operation of TPE-II

Data base management and recovery functions of GCOS combine with TPE-II to create a productive transaction processing environment.

TPE-II contains a network manager called the Network Control System. It functions in conjunction with the Level 66 remote networking facilities, such as the Remote Terminal Supervisor (GRTS) or Network Processing Supervisor (NPS) and the DATANET Front-End Network Processor hardware.

TPAPS:

- Can be written in COBOL-74, FORTRAN, GMAP
- Are stored in object form
- Can simultaneously and directly share data bases with other processes in execution
- Are assigned by GCOS to any available processor for execution

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 system, Series 6000 system with Extended Instruction Set (EIS) processor
- DATANET 6600 Front-End Network Processor

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DG18) Reference Manual (DD41)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**TEXT EXECUTIVE PROCESSOR (TEX) HDS**

**DESCRIPTION:** TEX is an easy-to-use tool for both the nontechnical user and the program developer. It extends and enhances the versatile Time Sharing System, which functions under control of GCOS.

TEX is a programming language, a text processor, a JCL simplifier and a software development aid. It encompasses extensions of text processing from other Honeywell text editors and languages, such as BASIC and PL/I. With TEX, the user can construct and manipulate content-addressable, unformatted relational data bases. TEX also provides display forms and computational facilities.

The functions within the TEX subsystem consist primarily of a command language to perform its basic operations and to access the service functions available in the Time Sharing System software. This language includes editing, computational, and executive commands, along with executive file functions and their commands. TEX also provides for strings, string variables, active functions, operators, assignment statements, string parsing, and conditional and analytical commands to serve more advanced users.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66, Level 66/DPS, or Series 6000 system with Extended Instruction Set (EIS)
- DATANET 6600 Front-End Network Processor (for remote terminal operations)

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DG19) Brochure (DG36), Reference Manual (DF72)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**FORTRAN I-D-S/II HDS**

**DESCRIPTION:** The FORTRAN I-D-S/II compiler incorporates a batch interface to Integrated Data Store/II (I-D-S/II) data bases. FORTRAN I-D-S/II extends the Data Management-IV (DM/IV) system, user's data base management facilities by providing a native capability for data access from FORTRAN. This eliminates the need for CALL interfaces typically required in data base accesses from batch FORTRAN applications.

The new compiler includes a data definition and data base management techniques which incorporate many of the functions described by CODASYL FORTRAN Data Base Language Committee. The new FORTRAN I-D-S/II compiler offers local and remote batch users the data manipulation language (DML) verbs required for accessing data bases organized under I-D-S/II. A subschema translator is also available for defining data base subsets accessible using FORTRAN.

**MINIMUM HARDWARE REQUIREMENTS:**

- FORTRAN I-D-S/II
- Series 60 Level 66 or Level 66/DPS system, Series 6000 systems with the Extended Instruction Set (EIS)

**OPERATING SYSTEM:** GCOS Level 66 with the DM-IV Data Manager and FORTRAN subschema translator

**DOCUMENTATION:** Product Brief (DG60) Reference Manual (DG27)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**RPG II****HDS**

**DESCRIPTION:** RPG II gives Level 66/DPS users a simplified, high-level programming language for creating programs in a variety of application areas. Originally developed for the production of reports, RPG II has evolved into an efficient program development tool combining the power and flexibility of more sophisticated languages with the simplicity required by users with little programming experience.

RPG II offers the user a variety of file handling capabilities including: creating new files, accessing/collating existing files, updating existing files, changing data format and comparing data values.

RPG II object programs can perform a variety of calculations on selected data as specified by the user. The add, subtract, multiply, divide, and square root functions are performed with automatic alignment of decimal points. Calculation capabilities also include numeric and non-numeric data conversion and movement, and table and array lookup.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 and Level 66/DPS central processing system
- Series 6000 systems with the Extended Instruction Set (EIS)

**OPERATING SYSTEM:** GCOS Level 66 (Software Release 4/J and later)

**DOCUMENTATION:** Product Brief (DH67) Reference Manual (Preliminary)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**REMOTE TERMINAL SUPERVISOR-II (GRTS-II)****HDS**

**DESCRIPTION:** The Remote Terminal Supervisor-II (GRTS-II) is a high performance communications software package. It manages the flow of information between a network of remote terminals and a Honeywell Series 60 Level 66 or Level 66/DPS host processing system. GRTS-II functions with network processor hardware to supervise remote operations within Honeywell's Distributed Systems Environment (DSE).

With GRTS-II, the user can configure and support many more terminals and communication links than with GRTS.

**GRTS-II supports:**

- Remote Job Entry and Message Concentration
- Time Sharing
- Multiple job stream
- Direct Program Access
- Transaction Processing
- Direct Data Entry
- Coexistence with the Network Processing Supervisor (NPS)
- Data Link System
- High-Level Data Link Control
- GRTS Compatibility

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Level 66/DPS system
- Integrated Network Processor (INP) (Level 66/DPS)
- Series 60 Level 66 system with one of the following network processors
  - DATANET 355 and 16,384 words of memory,
  - DATANET 6600 and 24,576 words of memory, or
  - DATANET 6670 and 65,536 words of memory

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Product Brief (DF87)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**HOST RESIDENT LEVEL 6 PROGRAM DEVELOPMENT SYSTEM****HDS**

**DESCRIPTION:** The Host Resident Facility Program Development System provides program development facilities for the Level 6 user to develop, assemble and link Level 6 programs on a Level 66 host. A set of Host Resident Components is provided for use on a Level 66 system under GCOS software release 3/I. The Host Resident Components are:

- HF Macro Preprocessor
- HF Assembler
- HF Linker
- HF Dump Print Facility

These components are functionally equivalent to their MOD 400 native counterparts.

The user can prepare programs either on the Level 66 under GCOS using the Host Resident Facility or on a Level 6 under the MOD 400 (Release 110) native components. The user interfaces to the Host Resident components in the same way as to any other Level 66 slave program in the GCOS environment. Individual components of the Host Resident Facility are invoked as slave programs running in the batch dimension of GCOS.

A dump print utility permits the user to print Level 6 program dumps on a Level 66 line printer.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Level 66/DPS central system
- Front-End Network Processor

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Reference Manuals (CB42, CB36, CB21)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**HOST RESIDENT FACILITY — COBOL HDS**

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**DESCRIPTION:** The Host Resident Facility COBOL provides program development facilities for the Level 6 user to compile Level 6 programs on a Level 66 host.

A translated version of the Level 6 Native COBOL Compiler runs on Level 66 under GCOS software release 3/I.

It is functionally equivalent to its MOD 400 native counterpart.

The user can prepare programs either on the Level 66 under GCOS using the Host Resident Facility or on a Level 6 under the MOD 400 (Release 110) native compiler. The user interfaces with the Host Resident compiler in the same way as with any other Level 66 slave program in the GCOS environment. The compiler is invoked as a slave program running in the batch dimension of GCOS.

The Compiler accepts source programs written in GCOS 6 Intermediate COBOL, translates the programs into object code acceptable to either the Host Resident Facility Linker or the GCOS 6 Linker, and produces a listing of source statements and their associated machine code equivalents, flagged for error conditions.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Level 66/DPS central system
- Front-End Network Processor

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Reference Manuals (CB01, CB10, CB21, CB36, CB42)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**HOST FILE TRANSCEIVER — LEVEL 6 HDS**

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**DESCRIPTION:** The Series 60 Level 6/Level 66 File Transmission Facility is used to transmit Level 66 developed programs to the Level 6 for linking and/or execution. Programs prepared on Level 6 can be transmitted to the Level 66 host as files. All file transmissions originate from the Level 6 system. Thus, the Level 6 system requests that the Level 66 host transmit a specific file (e.g., source text or object text) or Level 6 indicates to the Level 66 host that it has a specific file (e.g., source text) ready for transmission.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 or Level 66/DPS central system, Series 6000 system with Extended Instruction Set (EIS)
- Front-End Network Processor

**OPERATING SYSTEM:** GCOS Level 66

**DOCUMENTATION:** Reference Manual (CB36)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**COBOL STANDARDIZER ARI**

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**DESCRIPTION:** This system is designed primarily to operate on existing COBOL programs, particularly those

which are old, overly large, poorly written, poorly documented and/or poorly maintained. It can be of great value in the following instances:

- Systems optimization, standardization, and/or documentation effort
- Hardware or software conversions
- Development of new applications

For users with a limited number of programs needing standardization, a mail-in "COBOL Laundry" service is available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 66 central system with 64K of memory
- Tape
- Printer

**OPERATING SYSTEM:** GCOS Level 66

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 05 0665

# **Section 5**

**SERIES 16**

**SERIES 60 LEVEL 6**

**SECTION 5**  
**SERIES 16, SERIES 60 LEVEL 6**  
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# Section 5

## SERIES 16

### SERIES 60 LEVEL 6

#### FINANCIAL MANAGEMENT

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#### ACCOUNTS PAYABLE ARI

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**DESCRIPTION:** This system provides a multipart form voucher check and a vendor/payee master list. It prebalances the report. The open item report forecasts cash requirements for eight future periods, prints the vendor's name, distributes invoices by due dates, and gives totals by invoice, vendor, and company. It is very flexible and features exception processing. The system gives a detail report by account number and provides a complete audit trail.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- Disk
- CRT
- Printer

**OPERATING SYSTEM:** GCOS MDT

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Documentation, training, special reports, modular design all provided. Contract matched to customer's preferred method. Installation charges by geographic location.

**I.D. NUMBER:** 3 01 0572

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#### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** The Accounts Receivable System calculates service charges by customer. It gives variable percentage, open item, or balance forward based on customer. Aged Accounts Receivable statements are optional. Age analysis is from 30 through 120 days. It provides dating analysis of "Future Due" invoices. It covers variable terms by customer, daily updating of charges and credits, past-due notices, daily controls or daily and month/date sales and credits and sub-totals by division or branch. It ties in with Order Entry, I.D. 3 18 0568.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- Disk
- CRT
- Printer

**OPERATING SYSTEM:** GCOS Level 6

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Documentation, training, special reports, modular designs all provided. Contract matched to customer's preferred method. Installation charges by geographic location.

**I.D. NUMBER:** 3 01 0571

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#### ACCOUNTS RECEIVABLE ARI

---

**DESCRIPTION:** This Accounts Receivable package has been installed by our service bureau in the following industries:

- Retail/Wholesale Tire Distributors
- Retail/Wholesale Bakeries
- Retail Lumber Distributors
- Communication Companies (Pager and Mobile Telephone)
- Retail/Wholesale Meat Distributors
- Distributors of Chemical Products

The Accounts Receivable system features the following basic functions:

- Quarterly, monthly, or weekly customer statements based upon a balanced forward or an open item basis
- Aged Accounts Receivable
- Sales analysis — weekly, monthly and period comparative analysis
- Salesmen's commission, analysis and period comparative analysis
- Inventory control

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- 10M Disk single or multiple
- VIP 7200 driven by multiline processor
- Printer

**OPERATING SYSTEM:** GCOS6/MDT

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Training available, maintenance option, installation help.

**I.D. NUMBER:** 3 01 0530

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#### PAYROLL ARI

---

**DESCRIPTION:** This system gives hourly or salary on any frequency, calculates earnings — regular, overtime, incentive, make-up, vacation, holiday and other. Rates are fixed or variable and pulled from a standards table for flexibility. Taxes are computed as federal, state, county, city, and FICA. Deductions are completely flexible. Certain deductions may be taken once a month, only, on a weekly payroll. Bond deduction can be made and any bond denomination set to buy bonds for each employee. It gives a complete check stub showing the above for each employee.

The system provides a Payroll Journal, Deduction Register, a Check Register and Labels. It features Labor Analysis by employee account number — there is a seven

digit account number which can be given to each employee to break down earnings as follows:

- One digit — company — multicompany — division
- Two digit — department
- Two digit — subdepartment
- One digit — unique job
- One digit — unique operation

Each of the above breakdowns constitutes a level of totaling which is labeled. This report breaks down all earnings, i.e., regular, overtime, vacation, holiday, make-up and piece work. It can be modified for any specific user. The system also gives 941-A Government Report, run quarterly for state and federal reporting; W-2 Government Report, run annually. The system has a complete editing and balancing report.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- Disk
- CRT
- Printer

**OPERATING SYSTEM:** GCOS Level 6

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Documentation, training, special reports, modular design all provided. Contract matched to customer's preferred method. Installation charges by geographic location.

**I.D. NUMBER:** 3 01 0573

---

**ACCOUNTS PAYABLE**

**ARI**

**DESCRIPTION:** This Accounts Payable System is designed to operate on an interactive basis via the CRT. The system has the ability to handle voucher entry as well as prepaid vouchers while assigning consecutive voucher numbers upon entry. Each voucher may be distributed to up to nine general ledger accounts with the total distribution being checked against the invoice amount. All vouchers are deferred and the operator has the ability to selectively print only the vouchers he wants to be paid. There is a provision in the system for changing invoice due dates if necessary.

A Cash Requirements Report may be printed giving the vouchers within vendor that are due as of an input cut-off date. The Vendor Analysis Report is another report that may be printed upon request giving a comparative analysis of purchased dollars by vendor versus the total dollars of all vendors. Other reports such as the General Ledger Cross-Reference Reports and Open Item Aged Trial Balance Reports are also available upon request.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 13K of memory
- VIP 7200 terminal
- Printer
- Disk system (or floppy disk)

**OPERATING SYSTEM:** GCOS/MDT

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Price includes specific amount of data preparation time. One year warranty. Installation/training time included. Various discounts for quantity buys. Demonstration system available.

**I.D. NUMBER:** 3 01 0581

---

**PAYROLL**

**ARI**

**DESCRIPTION:** This Payroll System is designed to operate on an interactive basis via the CRT. The system has the ability to handle hourly and/or salary employees with three different hourly rates — regular, overtime, special, and a base pay amount for salaried employees. Five deductions may be taken for each employee with the frequency of which deductions are to be taken for each period determined at the beginning of weekly processing. Payrolls may be run weekly or semi-monthly.

There is an allowance for up to nine state tax routines. Taxes are automatically calculated and the corresponding reports such as check printing, payroll register, deduction register, and check register are printed. An attendance distribution report may be printed giving the hours and dollars for each department. There are provisions in the system for handling manual transactions. Quarter-to-date and year-to-date information is maintained for each employee on the employee master file thus producing 941A forms and W2s.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 13K of memory
- VIP 7200 terminal
- Printer
- Disk system (or floppy disk)

**OPERATING SYSTEM:** GCOS/MDT

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Price includes specific amount of data preparation time. One year warranty. Installation/training time included. Various discounts for quantity buys. Demonstration system available.

**I.D. NUMBER:** 3 01 0580

---

**GENERAL ACCOUNTING**

**ARI**

**DESCRIPTION:** This package was written on a modular basis for ease of modification. It includes Accounts Receivable, Accounts Payable, General Ledger, and Payroll. All applications in the package may interface automatically with General Ledger. General Ledger handles multicompany, division, and department. It can maintain budgeting and assets. Password security is also provided. Accounts Receivable functions as either a balance forward or open item system. Charge processing includes payment penalties, interest and discounting. Multicompany and multidivision processing are accommodated. Accounts Payable is a voucher-based distribution and check writing system. Fixed payments such as rent may be a one-time entry. Accounts Payable provides for projected cash requirements, payment selection, aging by vendor, vendor analysis, and handwritten checks. Payroll allows for four pay cycles — weekly, bi-weekly, semi-monthly, and monthly. Bonuses, commission, vacation, and sick pay are accommodated along with salary regular

and overtime earnings. There is a provision for up to seven voluntary deductions — limit, bond type, one time, fixed amount, and percentage. Data entry lead through with online validation makes for a cost effective system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL-74

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Full documentation, support available.

**I.D. NUMBER:** 3 01 0685

inventory, and vendor invoices. PO reports include aging by product and outstanding POs by vendor. This system may be interfaced with the General Accounting System, I.D. Number 3 01 0685.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL-74

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Full documentation, support available

**I.D. NUMBER:** 3 01 0687

---

**GENERAL LEDGER**

**ARI**

**DESCRIPTION:** This system performs the comprehensive general ledger functions required. It classifies, summarizes, and records the cumulative effects of all transactions on assets, liabilities, revenues, expenses, and equity. It follows general accounting concepts relating to the editing, analysis and journalizing of statements, balance sheets, general ledgers, and expense analysis. Capabilities are built in for budgeting, year-to-date information for current and previous year, difference reporting, and historical information.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- Disk
- CRT
- Printer

**OPERATING SYSTEM:** GCOS/MDT

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 01 0667

---

**INVENTORY ACCOUNTING**

**ARI**

**DESCRIPTION:** This is a complete interactive package for all accounting and inventory control functions. It serves as an order entry system for entering either direct or warehouse shipment. At day end, a booking register of all orders entered may be printed. Invoices are created from the shipping ticket. Detailed and summary invoice registers are available. The system also generates a back-order report, daily sales reports, and a shipping ticket register. Monthly customer statements, service charge invoices, and sales analysis reports are generated. The inventory control module consists of: reorder report, margin analysis, value analysis, slow moving report, price lists, physical inventory taking sheets, exception reports, sales analysis, 12-month sales and overstock report. Cash Receipts are posted to each open item and are balanced by account. The system also contains a bonded warehouse function which keeps track of parts by lot numbers and/or receipt date. A complete PO system controls entry of POs, printing or receiving reports, posting to



**CRITICAL PATH METHOD** **ARI**

**DESCRIPTION:** This program generates a "schedule" giving the longest possible duration of a project (in terms of events, activities and critical paths). The program handles 3,000 events and associated activities, and this figure can be increased depending on the core size of the computer used. The program generates a bar chart, showing the various applicable activities, critical activities, and slack time (with appropriate beginning and ending times and direct costs) useful for planning and scheduling purposes. The program has a number of capabilities: cost, requisition and multiple project control and resource project scheduling.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system
- Floppy disk
- Printer

**OPERATING SYSTEM:** GCOS/MDT/Level 6

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available. FORTRAN conversion required.

**I.D. NUMBER:** 3 02 0483

**I-COMP (CONTOUR MAPS)** **ARI**

**DESCRIPTION:** This program is used in the analysis of experimental data that can be applied in manufacturing, production and processing. It assists personnel in quality control, quality assurance, operations research and R & D in improving product performance, increasing product yield, affecting changes for quality control and in the development of new products and setting ranges for patent purposes. Using Response Surface Methodology statistical techniques, the program analyses the composition of a product in terms of its characteristics or properties within desired ranges in laboratory and scale-up to pilot and operating plants. By handling a number of factors and characteristics in a single computer run, I-COMP prints contour maps showing the interrelationship of several factors on product performance. The program was used in the development and product analysis of a number of products (synthetic rubber, bread, paints, lacquers, bleaches, chemicals, plastic, and paper).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system
- Floppy disk
- Printer

**OPERATING SYSTEM:** GCOS/MDT/Level 6

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available. FORTRAN conversion required.

**I.D. NUMBER:** 3 02 0483

**MIXTURE PROGRAM** **ARI**

**DESCRIPTION:** This program is used for screening purposes in the selection of a product which must fulfill prescribed properties. The program has been successfully applied in the evaluation of a product in the area of research, development, manufacturing and processing. The program utilizes seven experimental data points, drawing a triangle which reflects the composition of the final product, comprised of the basic ingredients (components), where the proportions of all the components must be equal to 100 percent. The program:

- Prints the data using a selected experimental design
- Computes and prints a special cubic equation that fits a selected model of the original data
- Plots a contour mapping on a triangle, comprising the basic ingredients, which provides the region where the best values can be obtained, aiding in the selection of the desired results.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system
- Floppy disk
- Printer

**OPERATING SYSTEM:** GCOS/MDT/Level 6

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available. FORTRAN conversion required.

**I.D. NUMBER:** 3 02 0481

**PRODUCTION AND PROCESS ANALYSIS** **ARI**

**DESCRIPTION:** This program provides an analysis of the product and production process so as to improve quality and yield in manufacturing, production, or processing plants. The program assists management, quality control, and quality assurance personnel and plant foremen in reducing customer rejection of the finished product, thus increasing profitability. Utilizing the operating data from the production plant, the program reveals information on the interrelationship between the variables in a production process or unit. The program provides the key variables, their order of importance and their interrelationship relative to selected properties on the final product. From these results, realistic quality control limits can be set and operating conditions in the plant and product optimized. Almost any product or process is amenable to analysis, since the program accommodates 50 variables. Once analyzed, variations and improvements in product or process can be realized. This program is a most valuable tool for actual production or pilot plant operations.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system
- Floppy Disk
- Printer

**OPERATING SYSTEM:** GCOS/MDT/Level 6

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.  
FORTRAN conversion required.

**I.D. NUMBER:** 3 02 0482

## ENGINEERING/TECHNICAL

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### FLUID ANALYSIS

ARI

**DESCRIPTION:** The Fluid Analysis Program is a comprehensive fluid dynamics program. It solves steady, one dimensional, incompressible flow equations for either single conduit or network problems. It has a simple input format and automatic units conversion. The system selects the proper equations to be used.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 04 0670

---

### REGRESSION ANALYSIS

ARI

**DESCRIPTION:** This program does all the least squares models:  $x$  vs  $y$ ,  $\log x$  vs  $y$ ,  $x$  vs  $\log y$ ,  $\log x$  vs  $\log y$ , in any log model. The user may optionally rectify  $\log x$  or  $\log y$  with the convergence term and tolerance input. The program also gives the usual statistics such as correlation coefficient, goodness of fit ( $r$ ), and standard deviation of regression.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Printer

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 04 0666

---

**WORK-IN-PROCESS**

**ARI**

**DESCRIPTION:** This system reports the progress and costs involved in producing finished goods. This system must be used in conjunction with the Inventory Accounting System, I.D. Number 3 01 0687, which accommodates order entry and posts master file. There are five basic activities involved with this system: bill-of-material explosion and reporting, labor input and reporting, work-in-process reporting, bill-of-materials file maintenance, and operations file maintenance. Order entry generates an explosion exception report (products that are not assemblies). Routing sheets by workcenter are produced when sufficient parts are on hand for assembly production. If sufficient parts are not on hand, reorder and/or backorder reports are produced. A comparison of labor standards versus actual labor is made and reported by employee and/or workcenter for efficiency evaluation. At any time a request may be made for degree of completion. When all operations have been completed, a closed job report is provided.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL-74

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Full documentation, support available

**I.D. NUMBER:** 3 11 0686

---

**INVENTORY CONTROL**

**ARI**

**DESCRIPTION:** The Inventory Control System covers multi locations and has an automatic reorder feature with cycle counting. It gives twenty-four months sales history (quantity) and automatic allocation of receipts to back orders. It also provides number of turns calculation. Among its reports are excess quantity on hand reports, obsolete items and automatic substitution if stock out. It compares book inventory to physical inventory and gives such purchasing information as EOQ, lead time, safety stock, etc. The system maintains status codes for the following:

- When out of stock, do not reorder
- Number of times back ordered
- Quantity back ordered
- Various special instructions regarding any item

Finally, it gives an analysis of sales of non-stock item and various management reports. It is part of the Order Entry System, I.D. 3 18 0568

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- Disk
- CRT
- Printer

**OPERATING SYSTEM:** GCOS Level 6

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**OPERATING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Documentation, training, special reports, modular design all provided. Contact matched to customer's preferred method. Installation charges by geographic location.

**I.D. NUMBER:** 3 18 0569

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**INVOICING AND SALES ANALYSIS**

**ARI**

**DESCRIPTION:** The invoicing and sales analysis system gives a gross profit analysis and provides for automatic back ordering. It reports sales commissions, sales analysis and gross profit: by customer, by salesman, by product code, by product group, by territory, any combination of above, and analysis by vendor.

The system allows daily controls of sales figures month/date. It ties into the Order Entry System, I.D. 3 18 0568.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- Disk
- CRT
- Printer

**OPERATING SYSTEM:** GCOS Level 6

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Documentation, training, special reports, modular design all provided. Contract matched to customer's preferred method. Installation charges by geographic location.

**I.D. NUMBER:** 3 18 0570

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**ORDER ENTRY**

**ARI**

**DESCRIPTION:** This Order Entry system assigns inventory (to prevent over selling) from CRT as the demand occurs. It validates customer name and address and performs credit checking and gives a flag for the operator. It also does a range check on cost versus selling price and maintains customer's special instructions (within five lines of forty characters). It will accommodate printed messages such as delivery instructions for a particular order. The system applies cost of sales on a per order basis for management review and accommodates "one-time ship to addresses" or allow for loading on master file, if warranted. It will purge files (open order) based on management's discretion and provide variable output (printed forms) while allowing online inquiry to inventory and customer. The system gives variable pricing of orders (this routine is completely written to client's specifications), sales tax calculations for each location based on customer. It also gives mailing labels, printed output arranged in sequence to facilitate order picking and quantity discount price breaks.

This system is the "master" and includes the systems listed as Accounts Receivable, I.D. 3 01 0571; Inventory, I.D. 3 18 0569; and Sales Analysis, I.D. 3 18 0570.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- Disk
- CRT
- Printer

**OPERATING SYSTEM:** GCOS Level 6

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Documentation, training, special reports, modular design all provided. Contract matched to customer's preferred method. Installation charges by geographic location.

**I.D. NUMBER:** 3 18 0568

**CONSTRUCTION**

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**ACCOUNTING AND JOB COST CONTROL ARI**

**DESCRIPTION:** The Construction Industry Accounting and Job Cost Control System handles the following functions:

- Payroll
- Accounts Receivable
- Labor Distribution
- Accounts Payable
- Job/Phase Costing System
- Project Cost Control
- General Ledger and Financial Accounting
- Inventory/Stock Status
- Estimating Control System
- Engineering Applications
- Invoicing/Order Entry
- Prospect and Active Bid System
- Equipment Cost Control System
- Equipment Status and Depreciation System

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 61 central processor with 16K of memory
- Diskette
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** RPG or COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will fully demonstrate to prospects using their live data

**I.D. NUMBER:** 3 17 0600

**WORD PROCESSING**

**ARI**

**DESCRIPTION:** This multiterminal word processing system helps optimize work flow and the assignment of personnel while giving personalized form letters without repetitive typing. Applications from the system include word processing, document creation, document assembly, form letters, special formats, message switching, directories, data entry, index and extended index, data processing, and network communications.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- One disk
- One CRT
- Printer

**OPERATING SYSTEM:** GCOS/MDT

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 23 0668

**POINT-OF-SALE**

**ARI**

**DESCRIPTION:** This software package handles all data collection from a network of Point-of-Sale terminals, reformats the data for input to RPG II programs, and retransmits the data to a host computer. The installation uses a Series 60 Level 62/40 as the host computer and has approximately 40 Singer MDTs terminals in stores located in a number of cities in the mid-Atlantic region and Detroit. The system can handle any vendor's POS terminal, and the network may contain a mixture of vendor's terminals. The host computer link can also involve other main frames.

Commands are entered via the JEM-monitor, which accepts simple directives such as "GO DIAL UP STORE LIST" causing stores on the list named to be dialed automatically. Dialing, reformatting the data for application programs, and transmitting to the host are three separate tasks which may be run concurrently with files being filled with data from a store, picked up by the reformatting task while the next store is being polled, and the reformatted data file being picked up for transmission.

Internal storage capacity is 10,000-15,000 transactions, permitting the system to collect and reformat transactions in an overnight, unattended mode without main frame involvement. When the DIAL UP task is started, the optional keyword WAIT is specified and the time to begin polling is provided in response to a system query.

Optional features include multiple input lines and increased transaction storage capacity. JEMCOM/POS can be run as a task set under one of the more comprehensive Level 6 operating systems, such as GCOS 6 MOD 400 or MOD 600. User written reformatting programs can be integrated into this task structure, an existing program may be used, or a customized program can be written in such a way as to interface with existing customer application programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 Model 33 central system with 64K of memory
- One disk (10M cartridge)
- Multiline Communications Processor with appropriate synchronous, asynchronous, and autodial attachments
- Multiple Device Controller and attached console device

**OPERATING SYSTEM:** BES 200

**PROGRAMMING LANGUAGE:** Assembler

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Options include custom-written reformatting program, user-written reformatting. Can be rented.

**I.D. NUMBER:** 3 31 0653

**RETAIL ACCOUNTING**

**ARI**

**DESCRIPTION:** The package consists of sales audit, accounts receivable, accounts payable, general ledger, retail inventory, and payroll. Sales audit and sales reports are printed by clerk number, department number, and store number. Accounts receivable provides credit

authorization, restrictions, optional dunning, store charges, and layaways. Commercial accounts receive invoices which are open item; all others which are on statements are balance forward. Accounts payable is a voucher system that also allows for contract payments. It also provides payment selections, cash requirements, aging of accounts, and vendor analysis. The general ledger system provides for financial statements by store with total levels determined by the user. General ledger comes with a fixed asset subsystem and budget capabilities. The retail inventory system is updated by the daily sales transactions and by inventory receipts or transfers. Store, department, and class determine the reporting levels. The FNK&A payroll system may be integrated or may function as a stand-alone system. It provides for employees that may work in various stores, yet receive a single check. This package is interactive and integrated.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL-74

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Full documentation, support available

**I.D. NUMBER:** 3 31 0684

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**ORDER PROCESSING**

**ARI**

**DESCRIPTION:** The Order Processing System consists of four basic components: Accounts Receivable module, Sales Analysis module, Inventory Control module, and Back Order processing module.

All of the components function in an interactive, conversational mode via the CRT. Consequently, the Order Processing System is exceptionally easy to operate by office personnel not experienced in data processing. The system is extremely modular in structure and readily allows for custom tailoring to meet the individual and/or unique requirements of the end user.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 13K of memory
- VIP 7200 terminal
- Printer
- 10-megabyte disk system

**ORDERING SYSTEM:** GCOS/MDT/Level 6

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Price includes 120 hours of installation, training, modification time; 40 hours of preparation to build data base. One year warranty. Demo system available.

**I.D. NUMBER:** 3 32 0592

**FINANCE**

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**PAYMATIC**

**ARI**

**DESCRIPTION:** Paymatic is a software system that performs all the key accounting and interfacing tasks associated with a financial institution's offering of a telephone (or mail or cable television) bill paying service to benefit both retail customers and commercial accounts (merchants).

For the merchant, these tasks include paying the merchant by consolidated check, deposit to the merchant's account, or automated clearing house transfer, reporting to the merchant the accounts and amounts that are to be credited, and maintaining an audit trail of these payments.

For the customer, the system will provide maintenance of a personal list of merchants, a Personal Identification Number (PIN) for security, the ability to transfer money from savings to checking to pay bills, the ability to "value date" transactions for future transfers, the ability to establish automatic payment of fixed amount recurring bills, the ability to assign one or more expense codes per vendor and automatically print total payments by expense code. Additionally it offers the ability to enter twelve months of budget information per vendor/expense code for comparison to actual expenses both month-to-date and year-to-date as a useful money management report. Reporting transactions made is accomplished by a mail turn-around document (Super Check), by separate statement recapping date and amount of transactions by vendor for any time period (monthly, quarterly, or yearly), or by passing transactions to the DDA or savings system for printing on that statement.

For the financial institution the system automates all internal funds transfers from checking or savings to any other department, calculates and assesses service charges based on almost any criteria, and prepares the general ledger credit to service fee income. It prints statistical reports highlighting system usage and labels for both customers and vendors. It provides for checking the customer's balance before the merchants are paid, communicates with all internal application processing systems in user defined formats, and provides for verification by the merchant of the customer entered account number with merchant field, and various automated marketing assists.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 54K of memory
- Printer

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 3 41 0675

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**STOCK MARKET**

**ARI**

**DESCRIPTION:** This program is designed for a stock market or stock club partnership. It evaluates a portfolio and member's accounts and gives earnings distribution (income tax) reports. It can also be used for municipal (or other) bond evaluation.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 16K of memory
- Printer

**PROGRAMMING LANGUAGE:** FORTRAN

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 43 0673

## INSURANCE

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### **PENSION CALCULATION (PENCAL) ARI**

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**DESCRIPTION:** PENCAL provides actuarial computation for pension plans of two hundred or less participants. Five types of benefits and six types of funding are permitted. Eligibility and retirement date are determined under system control. A wide range of options provide extensive plan flexibility. Output reports are provided for client and for consultant. Reports include the composition of normal cost, unfunded past service liability, min-max deductions, value of N.R.D., and other relevant items. A sophisticated editing system use of the package. Ideal for pension consultants.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system
- Diskette
- Printer

**PROGRAMMING LANGUAGE:** FORTRAN IV

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Currently running on DEC equipment. Willing to convert. Maintenance contract available.

**I.D. NUMBER:** 3 51 0555

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### **AUTO INSURANCE QUOTING ARI**

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**DESCRIPTION:** This online application was developed for independent insurance offices. The system performs the function of quoting automobile insurance premiums for up to eight insurance companies. The system automatically calculates and applies rating factors to base premiums. It includes Quote History Retention, Daily Billing, Daily A/R Statements, Aged Trial Balance, and Payment applications. Customization is available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 16K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 53 0663

## EDUCATION

## GOVERNMENT

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### ADMINISTRATIVE GUIDE

ARI

**DESCRIPTION:** This Manual will assist a school administrator in the construction of the Master Schedule. Contains: Responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 9 71 0351

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### OPTIMAL POLICE SYSTEM

ARI

**DESCRIPTION:** This Computerized Optimal Police System is a police management information system for small municipalities, counties or regional municipal groups. This system is a totally interactive online minicomputer-based management information system with the following features: resource allocation, data base multikey access, criminal histories, local warrants, suspect evaluation, state U.C.R.; multi-user and telecom available.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- Optional tape
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** BASIC

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 3 73 0682



## MEDICAL

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### PATIENT BILLING AND ACCOUNTS RECEIVABLE

ARI

**DESCRIPTION:** The Minicomputer Patient Billing and Accounts Receivable System includes complete insurance reporting for medical or dental offices, groups, or clinics with local and remote terminal input and inquiry. It can be used as an in-house system or for use by service firms servicing doctors. The system features a comprehensive family/patient master file with information on up to nine dependents as well as insurance company data and financial information. The system provides for use of the Relative Value Studies procedure files and the International Classification of Diseases file for diagnosis.

The system provides a video display with formats to record data from the patient registration, patient encounter, and a payments and adjustments form. From this simple input, the system provides:

- Video display inquiry displaying account information
- Automatic or manual fee-setting
- Daily receipts register
- Doctors daily activity report and doctors charge and payment summaries
- Statements in a Super-Bill format
- Insurance claim forms for Medicare, Medicaid, and private carriers
- Aged trial balance, diagnostic analysis reports
- Professional practice analysis by doctor

This system has the ability to establish installment payment plans and levy a finance charge for the delinquent patient accounts.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 6 hardware configuration with 16K words of memory

**OPERATING SYSTEM:** GCOS/MDT Level 6

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete documentation and test data

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System includes RPG software source code.

**I.D. NUMBER:** 3 74 0491

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### NURSING HOMES

ARI

**DESCRIPTION:** This system was designed along the same guidelines used by the Federal Government to design Medicaid. It is an accounting, reporting and claims processing system easily modified to operate in each state. It meets the needs of individual states and minimum review Federal Government guidelines. It is a method of delineating the cost of services actually rendered to individual nursing home patients and a comparison of reimbursement for those services. It has nine separate modules that can be installed and/or operated individually or as a total package. The nine modules are:

- Accounts Payable
- Payroll
- Accounts Receivable
- Fixed Assets and Depreciation

- Automatically Ancillary Pricing
- General Ledger
- Profit and Loss
- Patient History
- Inventory Control

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 6 central system with 64K of memory
- One disk
- Printer

**OPERATING SYSTEM:** MOD 200

**PROGRAMMING LANGUAGE:** RPG or COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available

**I.D. NUMBER:** 3 74 0661

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### FAMILY BILLING

ARI

**DESCRIPTION:** Provides online data entry and retrieval of all aspects of a family practice including online access to billing status. It provides claim processing for Medicaid, Blue Shield, John Hancock, Workman's Compensation and self pay. It also produces statistical reports on monthly and year-to-date diagnosis and procedures performed.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 6 central system with 32K of memory
- Disk
- Two diskettes
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Can be converted to Level 6 in 90 days.

**I.D. NUMBER:** 3 74 0662

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### MEDICAL CLINIC

ARI

**DESCRIPTION:** This system was designed to service an out-patient environment, but can accommodate in-patient as well. It contains all basic accounting applications (Accounts Payable, Accounts Receivable, General Ledger, Payroll) plus inventory, insurance claim handling (standard, Medicare, Medicaid), and appointment scheduling. As a result of appointment scheduling, a fee slip and out slip are prepared based on the date entered by the data entry operator. An appointments log is printed by the doctor in chronological order for the date entered. This log will be used by the receptionist for appointment verification, insurance information, and account status. A statement is prepared at the end of the month that includes the doctor's name, description of services, charges, payments made, account aging, and year-to date payments for income tax purposes. Group and/or industrial accounts are also accommodated. Among the various reports are: delinquent accounts, doctor profile list, accounts receivable summary, insurance tracking by insurance company and by doctor, inventory re-order list, account list, insurance company summary, service list, account detail, accounts receivable analysis, accounts

receivable aging report, service analysis, and monthly detail of activities by doctor. This system is fully interactive.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL-74

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Full documentation, support available

**I.D. NUMBER:** 3 74 0689

**GROUP (CLINIC) BILLING**

**ARI**

**DESCRIPTION:** This Medical Group (Clinic) Billing system is for groups of three or more physicians, dentists, podiatrists, radiologists, and anesthesiologists and hospital emergency rooms. It handles billing and insurance claims (Medicare, Blue Shield, Group Insurance, Medicaid). This system analyzes all open insurance claims, gives aged trial balance, collections, practice analysis, and financial summaries. It has strict accounting controls.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- CRT terminal
- Printer

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** License to use in one computer for one medical practice. Price includes installation and training.

**I.D. NUMBER:** 3 74 0690

**BUSINESS SERVICES**

**QUESTIONNAIRE ANALYSIS**

**ARI**

**DESCRIPTION:** The Fast Fax III Market Research system consists of two principal programs "Select" and "Print" plus several auxiliary programs designed to enhance their utility. The actual selection and printing of tabulations is accomplished through the use of selection and print directive files.

The Select routine with screening will tabulate twenty-five 12 x 10 matrices per pass. Primary screening of 12 levels with "and" or "or" conditions is possible. Two levels of specification are available for each of the 10 across-columns. A weighting option can be used with the primary screens to weight each qualifying respondent. Output from this program is written to an output file which is printed by the Print program. Provisions exist to continue the run from a new data file using the same primary screens and across-columns or to continue using new primary screens and across-columns from the old data file. Selections are executed by a Select directive file.

The printing routine permits specification of the mode of presentation. Frequencies, percents, or both can be specified. Percents can be to column totals, to the sum of each row, or both. Of course, across-column totals are also available. Another option permits the use of titles, headings and legends. This output can be printed on the teletype or saved and printed online on the highspeed printer. The output is paginated so that the tabulations are suitable for incorporation in reports. Selections are made by a Print directive file.

Auxiliary programs permit the use of ten multipunched (12 punches per column) cards per respondent. A special editor for handling relative files is part of the package.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system
- Card reader
- Card punch
- Printer

**OPERATING SYSTEM:** GCOS Level 6

**PROGRAMMING LANGUAGE:** FORTRAN IV

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 76 0576

**VOCATIONAL INFORMATION**

**ARI**

**DESCRIPTION:** This system is designed for organizations responsible for the vocational rehabilitation of disabled workers, the chronically unemployed, and students. The automation of a job matching procedure is combined with a data base containing local job market trends, training opportunities, and entry level salaries. Job matching is based on the person's education, aptitudes, physical limitations, interests, behavioral characteristics, choice of industry, and work environment.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 100K of memory
- Disk
- Tape
- Printer

**OPERATING SYSTEM:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 76 0671

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**DIRECT MAIL CAMPAIGN** **ARI**

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**DESCRIPTION:** The Solicitation and Remittance processing system is designed to support all aspects of a direct mail program from list acquisition and maintenance through campaign analysis. It features:

- Interactive maintenance of the name and address master file
- Flexible file selection capability for solicitation mailings
- High quality personalized computer generated letters and labels
- Extensive history of orders or remittances
- Automatic generation of receipts or acknowledgments based on "posting" activity
- Ten management information reports
- Alpha inquiry capability
- Optional interface with "word processing" equipment

This is a total system for any organization which deals with the public through direct mail. It can be tailored to fit any size operation and to satisfy unique needs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 32K of memory
- Disk
- CRT
- Tape drive
- Printer

**OPERATING SYSTEM:** GCOS MDT

**PROGRAMMING LANGUAGE:** Assembler

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Documentation, conversion, installation, training and maintenance all provided

**I.D. NUMBER:** 3 76 0680

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**PROFESSIONAL TIME & BILLING** **ARI**

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**DESCRIPTION:** This system was designed to bill clients for professional time and materials. It is suitable for CPA firms, law firms, or any profession that requires client billing. Transaction input to the system consists of receipts, disbursements, internal charges, fees, billing charges, write-offs, corrections, and adjustments. There are multiple data bases provided, among which are: employee, client, charges, and history. Available billing methods include: hourly, retainer, fee, contingency, and service charge. Billing cycles are: periodic, demand, and upon-completion. The various reports show activity level trends, client billing status broken down by fees and disbursements, transaction detail by various keys such as date, type of transaction, billing status, client name, or client number. Also included are accounts receivable reports showing age of accounts, cash receipts, write-offs, and adjustments. This system is fully interactive and may be interfaced with the General Accounting System, I.D. number 3 01 0685.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL-74

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Full documentation, support available

**I.D. NUMBER:** 3 76 0683

## TRANSPORTATION

## UTILITIES

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### FLEET MAINTENANCE

ARI

**DESCRIPTION:** The system produces detailed, meaningful cost per mile reports on vehicles operated. It provides an efficient method by which independent small fleet owners/operators can readily assess needed data for financial control, audit, track fleet maintenance, improve maintenance methods, and pinpoint maintenance cost trends.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- Printer

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 77 0674

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### CARDS

ARI

**DESCRIPTION:** Carriers Accounting Rating Dispatching Systems (CARDS) is an online truck dispatching system. These application programs were purchased from Kroblin Transportation System, Waterloo, Iowa and then converted to the Honeywell Level 6. The entire system was left virtually intact with only changes relative to the different operating system for the Level 6 computer.

The Order Entry function now uses the same type terminals as Dispatch, Rating, and Logs. A more complete description of the Kroblin package is found in the Level 62 section (Section 2 of this catalog), (I.D. number 2 77 0327).

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 Model 36 central system with 64K of memory
- Two disks
- Terminals
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 3 77 0654

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### UTILITY BILLING

ARI

**DESCRIPTION:** This is an interactive system for water, phone, garbage, and/or electric utilities. All system functions are interactively driven from menus and screens. Fixed period (monthly, quarterly, or yearly) or cycle billing are supported. Charges may be either fixed or calculated on usage. Special past due bills may be generated with/without a penalty charge. Accounts may be accessed by account number, customer name, or address. The following reports are available: detail by account, cut-off lists, survey (meter reading) lists by address, and summaries by account age and usage.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 64K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL-74

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Full documentation, support available

**I.D. NUMBER:** 3 78 0688

**NETWORK OPTIMIZER****ARI**

**DESCRIPTION:** This computer program is used to determine the optimum, or least costly, circuit and routing configuration in a long distance telecommunications network, given a particular grade of service supplied by the user. It is highly accurate and able to automatically evaluate all types of WATS, FX, and tie circuits, plus specialized common carriers. The output is specifically designed to be easily understood by top management who may be unfamiliar with technical aspects of telecommunications.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 40K of memory
- Disk
- Printer

**OPERATING SYSTEM:** GCOS**PROGRAMMING LANGUAGE:** FORTRAN**SHIPPING MEDIUM:** Disk**ORDERING PROCEDURE:** Contact ARI (see Preface).**SPECIFIC PROVISIONS:** Maintenance option automatic with purchase**I.D. NUMBER:** 3 80 0669**COMMUNICATION WITH COMPRESSION****ARI**

**DESCRIPTION:** This software is a series of programs and routines that allow the Series 60 Level 62 and Level 6 to communicate thru use of the 2780 Bi-syn communication protocol. In addition, the data from the Level 62 is compressed to improve the transmission efficiency. The current use of these programs is providing 40-50% increase in communication efficiency for print image files. The program/routine group will provide the following elements:

- A Level 62 COBOL compression program that will take any user generated printer formatted file, removing all space characters, thereby creating a compressed transmission file. Multiple files, to be transmitted, can be merged to the printer formatted file prior to compression.
- A list of the Level 62 JCL for Bi-syn communication to the Level 6 utilizing the Honeywell provided standard BSC 2780 communication software package.
- A Level 6 COBOL Bi-syn transmission program will call a translate program to convert data to required sending or receiving character format. (i.e., ASCII-EBCDIC, EBCDIC-ASCII).
- A list of the Level 6 Configuration Load Manager (CLM) instructions.
- A Level 6 program that returns control from any COBOL or assembler program to the Command processor (Operating System).
- A Level 6 COBOL receiving program that reformats record size and stores compressed data to a disk file. The receiving programs uses a record key to determine appropriate disk storage; thereby allowing forms control (preprinted forms, checks, etc.)
- A Level 6 print program that allows the user to select a given report/reports. All transmitted reports will be printed after communication has been disconnected.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 20K of memory
- SYN-lines
- Diskette
- Printer

**OPERATING SYSTEM:** BES2**PROGRAMMING LANGUAGE:** Assembler**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 3 05 0416**INTERACTIVE SIMULATION  
LANGUAGE (ISL)****ARI**

**DESCRIPTION:** ISL (Interactive Simulation Language) is the most powerful and easy to use software system available for solving differential equations with digital (or hybrid) computers. Execution times run up to 1000 times faster than FORTRAN based simulation languages.

Applications include:

- Chemical, nuclear and bio-engineering simulation
- Aircraft and missile simulation
- Replacement for analog computers

- Uniform HYBRID programming of analog and digital computers
- Set-up and check-out of analog computer simulations

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 8K of memory
- Diskette optional
- Paper tape teletype of high speed reader
- Printer

**PROGRAMMING LANGUAGE:** Assembly

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will configure system to users needs.

**I.D. NUMBER:** 3 05 0535

**CURSOR**

**ARI**

**DESCRIPTION:** CURSOR is a set of routines that allows the programmer to take full advantage of the cursor addressability feature of the VIP 7200. These routines are designed to significantly reduce the programming effort necessary when writing COBOL programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system
- VIP 7200 terminal

**OPERATING SYSTEM:** GCOS Level 6 MDT

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Unlimited warranty

**I.D. NUMBER:** 3 05 0591

**GSPool 1**

**ARI**

**DESCRIPTION:** GSPool 1 is a package that may be used by any standard programming language available on the Honeywell Level 6, i.e., Assembler, COBOL, FORTRAN, etc.

GSPool allows for up to twenty reports to be stored (spooled) on to a disk for printing at a later date. The operator has the option of printing:

- Any individual job in the spooler
- All jobs that have not yet been printed
- All jobs in the spooler

For all jobs not designated as requiring standard paper (14-3/4 x 11), a special forms alignment routine automatically allows the operator to repetitively print two copies of the special form until proper alignment has been achieved.

Once a particular job has been physically printed, the status of the job is changed to indicate it has been printed but it remains in the spooler in case reprinting is necessary. At the end of the day, the operator releases all the jobs in the spooler.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 8K of memory
- VIP 7200 terminal
- Printer
- Disk system

**OPERATING SYSTEM:** GCOS/MDT Level 6

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Purchase includes one man day onsite installation/training/modification time. One year warranty. Demonstation System available.

**I.D. NUMBER:** 3 05 0583

**GSPool 2**

**ARI**

**DESCRIPTION:** GSPool 2 is a package that may be used by any standard programming language available on the Honeywell Level 6, i.e., Assembler, COBOL, FORTRAN, etc.

GSPool allows for up to twenty reports to be sorted (spooled) on to a disk for printing at a later date. The operator has the option of printing:

- Any individual job in the spooler
- All jobs that have not yet been printed
- All jobs in the spooler

For all jobs not designated as requiring standard paper (14-3/4 x 11), a special forms alignment routine automatically allows the operator to repetitively print two copies of the special form until proper alignment has been achieved.

Once a particular job has been physically printed, the status of the job is changed to indicate it has been printed but it remains in the spooler in case reprinting is necessary.

The operator has the option of:

- Releasing all reports that have been printed
- Releasing certain reports that have been printed
- Clearing the entire spooling file.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 13K of memory
- VIP 7200 terminal
- Printer
- Disk system

**OPERATING SYSTEM:** GCOS/MDT Level 6

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Price includes one man-day onsite installation/training/modification time. One year warranty; demonstration system available.

**I.D. NUMBER:** 3 05 0584

**MINIFORTH**

**ARI**

**DESCRIPTION:** MiniFORTH is a completely integrated system which includes operating system, compiler, interpreters, assembler, virtual memory, text editor, multiprogrammer, and file management capability, all resident in less than 5K words of memory.

The multiprogrammer included in the MiniFORTH package allows any number of terminal tasks to execute independently using private routines or re-entrant code, as desired. In addition, the multiprogrammer provides for equipment control tasks with no terminals. In a demanding multitask environment, FORTH offers the highest performance in the industry, or very modest equipment.

MiniFORTH provides advanced file management features with keyed files, multiply-keyed files, and structured record definitions. This file management system can be

the basis of sophisticated and powerful data base management systems.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 6 central system with 16K of memory
- One disk
- CRT terminal
- Printer

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System personally installed, onsite training provided

**I.D. NUMBER:** 3 05 0640

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**GCOS 6 MOD 200 EXECUTIVE** **HDS**

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**DESCRIPTION:** The GCOS 6 MOD 200 Executive supports a multiuser transaction processing environment.

MOD 200 is forms driven. It enables users to process transactions while utilizing limited memory resources. It provides several executive services including standard I/O, input/output drivers, file and data management, program and overlay loading, memory acquisition, and task and request management.

Additional key features of the MOD 200 system include:

- Powerful transaction control, via a shareable, re-entrant transaction control language
- Re-entrant terminal management
- Secure access control
- Simultaneous processing of online interactive transaction applications, batch applications, program development, and remote job entry (via HASP multileaving facility and Honeywell File Transmission Facility)
- Higher level language support for GCOS 6 Entry-Level COBOL and GCOS 6 Intermediate COBOL

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHS917)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 MOD 200 PROGRAM DEVELOPMENT SYSTEM** **HDS**

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**DESCRIPTION:** This software package includes:

- GCOS 6 MOD 200 Executive
- GCOS 6 SORT
- GCOS 6 Entry-Level COBOL

Refer to these individual components for description.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHP911)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**GCOS 6 MOD 400 EXECUTIVE** **HDS**

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**DESCRIPTION:** The GCOS 6 MOD 400 Executive Module within the GCOS 6 operating system concurrently executes one batch stream (program development or other

batch-oriented user application) and one or more online streams. The batch application's memory can be rolled out to a mass storage device to obtain additional memory for online applications.

User-written online applications may be loaded and started any time after system initialization. The number of applications in operation is limited only by the amount of available memory. When one application is deleted or terminates, another can automatically use the released memory.

The GCOS 6 MOD 400 Executive allocates memory dynamically from pools and can relocate programs at load time. Once an application is loaded into memory, it is dispatched according to its assigned priority level. When multiple tasks share a priority level they are serviced in a round-robin fashion. If the Memory Management Unit option is present, user applications residing in different memory pools are protected from interfering with each other or with the Executive.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette Binary (SHS915), Source (SHS916)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 MOD 600 EXECUTIVE** **HDS**

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**DESCRIPTION:** The GCOS 6 MOD 600 Executive is a disk-based operating system that provides a highly protected, multi-user processing environment. The system supports time-shared, non-time-shared, and data communications applications running concurrently in multiple online (interactive) and absentee (batch) streams. Users can develop applications within their own protected operating environments.

The system and its resources are protected against unauthorized access through registration procedures performed by a system administrator. Each user must be registered, must identify himself and must supply a predefined password each time he logs onto the system. The registration procedure also determines the system resources a user may employ.

Access to data through the Executive's file system is protected through establishment of access control lists for files and directories.

MOD 600 gives the user a powerful and comprehensive set of program preparation components, utilities, and debugging aids for application development, all running under control of the Executive. Users may write programs in Assembly Language, RPG, FORTRAN, and COBOL.

MOD 600 provides an optional data base facility and an optional transaction processing facility known as Integrated Data Store/II (I-D-S/II) and Transaction Driven System (TDS) respectively.

In addition, the MOD 600 Executive optionally supports the full GCOS 6 communications facilities designed for implementing functional links to other, remote processors and terminals.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette Binary (SHS913), Source (SHS914)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 ENTRY-LEVEL COBOL COMPILER** **HDS**

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**DESCRIPTION:** The Entry-Level COBOL Compiler supported by GCOS 6 MOD 200 and MOD 400 Executives is based on the 1974 standard developed by the American National Standards Institute and the Series 60 standards. It has been significantly extended in its support of indexed files (ISAM), signed 16-bit binary data (Comp-1), variable length records, and magnetic tapes.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHS917)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 INTERMEDIATE COBOL COMPILER** **HDS**

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**DESCRIPTION:** The Intermediate COBOL Compiler, based on the 1974 American National Standard, is supported by GCOS 6 MOD 200, MOD 400, and MOD 600. Programs generated by the compiler are re-entrant. Packed decimal (COMP) and 32-bit signed binary (COMP-2) data types are supported, as is a callable Sort-Merge utility. A data management language and subschema processor for GCOS 6 MOD 600 are provided, so the COBOL program can use the I-D-S/II data base. The compiler also generates the transaction processing routines (TPRs) that define the user applications to run within the Transaction Driven System (TDS).

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHL925)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 FORTRAN COMPILER** **HDS**

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**DESCRIPTION:** The FORTRAN Compiler supported by the GCOS 6 MOD 400 and MOD 600 Executives is based on the proposed 1977 standard developed by the American National Standards Institute. The FORTRAN Compiler for GCOS 6 provides for double-precision data type, extended I/O edit capabilities, and the alternate RETURN statement. Programs generated by the compiler may be used with the Scientific Instruction Processor or the scientific instruction simulator.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette Binary (SHL921), Source (SHL922)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 RPG COMPILER** **HDS**

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**DESCRIPTION:** GCOS 6 MOD 400 and MOD 600 support a Report Program Generator (RPG) that is an efficient, commercially oriented, problem-solving high-level language. The Level 6 RPG Compiler is a compatible language subset of other Series 60 (Levels 62 and 64) compilers as well as System/3 and System/32 compilers.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHS917), Source (SHL926)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 MACRO ASSEMBLER** **HDS**

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**DESCRIPTION:** A powerful macro-assembly language is provided for program development in GCOS 6 MOD 400 and MOD 600. Some significant features are nested macros, local and global macro variables, assembly-time evaluation of functions, complex symbolic expressions, and user-defined op-codes. A wide range of scientific instructions and data types is supported. Macro routines are supplied for all Executive, File System, and Communications System services. The assembler optionally produces a sorted cross-reference listing of all symbols and registers used.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette Binary (SHL928), Source (SHL929)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 SORT/MERGE** **HDS**

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**DESCRIPTION:** The GCOS 6 Sort/Merge runs as a utility. It is supported by MOD 200, MOD 400, and MOD 600. Sort may be also called from a COBOL, FORTRAN, or Assembly Language program. Some features are:

- Up to 16 sort key fields.
- Output sequence based on either ascending or descending sequence by key.
- ASCII or numeric fields (e.g., signed binary or signed packed decimal) collating sequence.
- Input file defined as any file which can be sequentially accessed.
- Dynamic creation of temporary work file on disk which is later deleted automatically.
- User processing of input and output records to/from the Sort.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHF909)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.



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**INFO6****REFERRAL**

**DESCRIPTION:** INFO6 is a conversational data file management system that operates as an online application on Honeywell Series 60 Level 6 systems under control of GCOS 6 MOD 400.

INFO6 provides a complete data entry, update and query language, and report writing system with computational capabilities. Special features include leap year recognition, implicit or explicit century specification, and an internal Julian conversion procedure to allow computations involving dates. Within INFO6, the user can stack commands incorporating IF-ENDIF logic, creating stored command streams which can then be executed with a single command. In this manner, complete applications can be accomplished using INFO6.

INFO6 was designed for simplicity of use with a command structure that is easily understood within the framework of ordinary language usage. English error messages guide the user through the rapid learning process and improve data entry accuracy with both visual and audio responses to typing errors.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHD908)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**TOTAL 6 DATA BASE  
MANAGEMENT SYSTEM****LIC**

**DESCRIPTION:** TOTAL 6 is powerful and efficient; it is easy-to-use, but offers sophisticated capabilities. It can manage an unlimited variety of data on an integrated, non-redundant basis that provides for entry to and association with all other data in the data base. TOTAL 6 is offered to users of Model 33 and larger Level 6 systems running under GCOS 6 MOD 400.

TOTAL 6 makes it easy to add new data to records, new data sets, and data relationships without detriment to the present systems. A data base could grow over time to include many data sets and new relationships, with little impact on operational programs.

TOTAL Data Manipulation language is used by the programmer to communicate between the program and the data base.

TOTAL Data Base Definition Language (DBDL) is an English-like language used to describe and define the data base system. After definition, the data base is assembled and cataloged. The data base designer can be trained in the use of TOTAL DBDL and be capable of defining and developing data bases of some complexity in a matter of hours.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHD907)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**GCOS 6 INTEGRATED DATA STORE  
(I-D-S/II) DATA BASE****HDS**

**DESCRIPTION:** One of the most advanced data base management systems available, I-D-S/II is a standard implementation of the recommendations and specifications of the Conference on Data Systems Languages (CODASYL).

I-D-S/II, compatible with Series 60 (Level 66), is supported by the GCOS 6 MOD 600 Executive Module. Features include:

- Schema processor representing the logical view of the entire data base, described using the Data Description Language
- Device Media Control Language to define physical characteristics of data base
- Subschema processor representing the application view of the data base
- COBOL Data Manipulation Language in Intermediate COBOL (data base can be accessed via COBOL or Assembly Language using system macros)
- Random files compatible with Series 60

I-D-S/II includes those elements of the data base which enable a data base to be defined, constructed, and maintained. Included are the Schema processor, Subschema processor, Device Media Control Language, Data Manipulator Language and the I-D-S/II Run Time Services.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHD901)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 INTEGRATED DATA STORE  
(I-D-S/II) RUN TIME SERVICES****HDS**

**DESCRIPTION:** I-D-S/II Run Time Services provides the MOD 600 user with the interface between the user program and the I-D-S/II Data Base. It manages all retrieval, storage, set conventions, data transformations, and currency information. It does not include the facilities to define an I-D-S/II Data Base. Run Time Services are intended for execute-only systems (as opposed to I-D-S/II program development systems).

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHS903)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 TRANSACTION DRIVEN  
SYSTEM (TDS)****HDS**

**DESCRIPTION:** The GCOS 6 Transaction Driven System (TDS) is a multitask software subsystem that operates under GCOS 6 MOD 600. TDS provides rapid concurrent processing of diverse types of transactions entered online from users' remote terminals in batch mode (via the TDS batch input facility). The TDS internal design is optimized for high-volume transaction processing where fast response and fast automatic restart/recovery are

required. The system is designed to run concurrently with non-transaction processing users including time sharing, real-time, and multiple absentee (batch) streams.

TDS employs a high-level, COBOL-like language, combined with existing Integrated Data Store (I-D-S/II) instructions, and easy-to-use TDS statements for describing and maintaining transactions. Any programmer can write a transaction processing program for TDS. Since the interfaces are interactive, the terminal user needs little experience to communicate with TDS, and no programming experience to use it.

TDS provides efficient and automatic management of files, resources, terminals, recovery and restart procedures, and system privacy.

TDS includes the TDS Run Time Services.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHD904)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 TRANSACTION DRIVEN SYSTEM  
(TDS) RUN TIME SERVICES** **HDS**

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**DESCRIPTION:** The TDS run time executive operates under GCOS 6 MOD 600 and is responsible for coordinating and scheduling all TDS activities and tasks. It manages the allocation of system resources for transaction processing and handles all interactions between TDS users and GCOS 6. The executive supports a multitask environment for concurrent execution of several transactions, permitting a high degree of I/O and processor parallelism.

Run time message services provide an interface through which a TPR may communicate with the terminal network supported by the multiline communications processor. These services handle the acceptance and delivery of input and output messages, including editing if necessary, validate terminals, resolve resource conflicts, before activating transactions, and manage the TDS journals for recovery/restart.

In conjunction with GCOS 6 the TDS Executive also manages data base files for standard access methods including sequential, relative and indexed as well as the Integrated Data Store (I-D-S/II) data base. Many files can be assigned to TDS for online processing. Concurrent access control is provided at the block level for simultaneous processing of multiple transactions. Deadlock conditions are handled automatically with transaction restart after resolution.

Other automatic features provide a complete integrity system which includes everything from rollback of the data base after an abort to complete reconstruction of a destroyed data base. Incoming and outgoing messages are automatically journalized as are data base images necessary to restore the data base to a consistent point in case a rollback is necessary.

TDS provides the means to implement user-coded transaction processing routines (TPRs). Run Time Services are intended for execute-only systems (as opposed to TDS program development systems).

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHD906)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 DATA ENTRY FACILITY (DEF)** **HDS**

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**DESCRIPTION:** The GCOS 6 Data Entry Facility (DEF), running under either the MOD 400 or the MOD 600 Executive, provides an intelligent data collection function.

DEF provides users with extensive features that include:

- Support of one to fourteen VIP 7200 CRT operator display stations
- Support of one to eight serial and/or line printers
- Local processing in high-level or assembly languages
- Forms mode data entry with powerful data validation and editing functions
- Single-pass forms and table creation via operator display stations
- Dynamic form linking capability
- Protected access to selected functions via password
- Support of user-written data entry subroutines via COBOL or Level 6 Assembly Language
- Full-screen cursor control for simplified entry or modification of data, data files, tables, or forms
- Concurrent operation with other GCOS 6 facilities

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette Binary (SHC917), Source (SHC918)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 HONEYWELL FILE  
TRANSMISSION FACILITY** **HDS**

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**DESCRIPTION:** The file transmission capability enables the user to transmit files in either ASCII or binary format between GCOS 6 and Honeywell host processor. The user may define new files to accept transmitted data; old files may be updated and expanded. The GCOS 6 file transmission software is re-entrant, allowing multiple simultaneous transfers. It is designed to allow sequential transmissions without a line interruption.

An initiate request-accept dialog is provided for process validation. A restart capability is also provided for recovery from premature transmission aborts.

This package supports multiple hosts serviced by line protocols at varying line speeds.

The file transmission software enables the exchange of data files at a maximum speed of 9600 baud via the synchronous Visual Information Project (VIP) Series and BSC protocols. A maximum speed of 50K bytes is achieved with the HDLC protocol. Only PVE support is available under MOD 200.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** MOD 400 and MOD 600 Binary (SHC911), Source (SHC912); MOD 200 (PVE only), (SHC930)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 REMOTE BATCH FACILITY** **HDS**

**DESCRIPTION:** The Remote Batch Facility permits a remotely located Level 6 system to be used for job submission and output delivery for one or more Series 60 (Level 66) or Series 6000 host processors.

The Remote Batch Facility provides GCOS 6 MOD 400 and MOD 600 users with two basic functional capabilities:

- Input processing — jobs are submitted to the Remote System Input function of the host processor via the Remote Computer Interface or HDLC protocols.
- Output processing — output is received from the Remote System Output function of the host processor, also via the Remote Computer Interface and/or HDLC protocols.

Job input is associated with an input stream, which in turn is associated with a specific (user-controlled) GCOS 6 file or device. The user can dynamically specify the stream association. Host output is delivered (at user request) to the output stream. The user has the capability to direct the output to a selected file or device. Job streams can be encoded in BCD, binary, or ASCII.

The Remote Batch Facility uses the GCOS 6 File System for all file access, and thus can use any peripheral supported by the file system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette Binary (SHC915), Source (SHC916)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 TERMINAL CONCENTRATION FACILITY** **HDS**

**DESCRIPTION:** The Terminal Concentration Facility, supported by GCOS 6 MOD 400 and MOD 600, provides terminal concentration capability to a variety of host processor systems. The concentration application permits several types of terminals to connect concurrently to the Level 6 system and have their respective message traffic multiplexed over a single or multiple host processor links.

It supports concentration of both synchronous or asynchronous terminals connected to the Level 6 System Terminals concentrated on the Level 6 and the respective protocols used to interface with the Level 6 are as follows:

- VIP 7700R — VIP protocol
- VIP 7760 — VIP protocol
- VIP 7100 — TTY protocol
- VIP 7200 — TTY protocol
- TTY-like devices — TTY protocol

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette Binary (SHC 913), Source (SHC 914)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 IBM COMMUNICATIONS AND FILE TRANSMISSION FACILITY** **HDS**

**DESCRIPTION:** This File Transmission Facility provides MOD 400 and MOD 600 users with the ability to exchange files between Level 6 and a host processor using either the BSC 2780 or 3780 protocol. In these transmissions the Level 6 converts from its native ASCII code to the IBM EBCDIC code for transmission to IBM hosts and conversely converts from EBCDIC to ASCII upon receipt of data from the host.

Supported software includes all the communications and file handling procedures necessary for the transmission of data between the Level 6 and the host over switched or dedicated lines utilizing a point-to-point connection. Line speeds available with this package are variable to 9600 baud.

Invocation of the file transmission capability is accomplished via standard GCOS 6 command procedures. A versatile and extendable command line provides a detailed and complete transmission repertoire. Alternatively, defaults allow short command lines to accomplish all desired file transmission functions.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette Binary (SHC 909), Source (SHC 910)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 MULTIFUNCTION 2780/3780 WORKSTATION FACILITY** **HDS**

**DESCRIPTION:** The 2780/3780 Workstation Facility operating under the GCOS 6 MOD 400 or 600 Executive provides a software package which allows a Level 6 to function as a Remote Job Entry (RJE) workstation. It can interface to a variety of host processors with no change to the host processor. The multifunctionality of the GCOS 6 Executive allows the facility to operate concurrently with other programs running on the Level 6, a considerable advantage over single-function workstations.

The Level 6 Workstation Facility makes the Level 6 appear as either an IBM 2780 or 3780 workstation to the host processor. The host configuration is any system that can successfully support 2780 or 3780 workstations. Transmission is via public telephone (switched) or private (non-switched) leased lines utilizing a point-to-point connection at various rates ranging from 1200 to 9600 bits per second. Multiple data links can be supported, i.e., more than one workstation can be simulated by a single Level 6.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette Binary (SHC922), Source (SHC923)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**GCOS 6 MULTIFUNCTION HASP  
MULTILEAVING FACILITY****HDS**

**DESCRIPTION:** The Level 6 HASP Multileaving Facility operating under GCOS 6 is a software package which allows an appropriately configured Level 6 to perform as a remote multileaving workstation communicating with an IBM System/360 or System/370 through a variety of remote-job-entry (RJE) subsystems. These subsystems support binary synchronous communications (BSC) multileaving operations. No changes to the host processor are required. The facility is available with either the GCOS 6 MOD 200, MOD 400, or MOD 600 Executive.

The Level 6 HASP Multileaving Facility makes the Level 6 appear to the host processor as an IBM/360 Model 20 Submodel 5, a programmable processor capable of performing these basic multileaving functions:

- Handling data transfer from and to specific devices attached to the processor
- Handling data transfer to and from the RJE subsystem of the host using a multileaving interface
- Handling local operator commands to control workstation devices
- Transferring system commands from the workstation operator to the host
- Transferring operator messages from the host to the workstation operator

Transmission is via public telephone (switched) or private (non-switched) leased lines at rates from 2000 bps to 9600 bps utilizing a point-to-point connection.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette — MOD 400 and MOD 600: Binary (SHC926), Source (SHC927); MOD 200: (SHC932) includes line protocol

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**RBT 6/301****HDS**

**DESCRIPTION:** The RBT 6/301 Remote Batch Terminal software enables the Level 6 to be used in a remote processing environment with Series 60 Level 66 and Series 6000 host processing systems that have a GRTS or NPS front-end network processor.

The RBT package provides two basic functional capabilities:

- Input processing — jobs are submitted from the Level 6 to the Remote System Input function of the host processor via the Remote Computer Interface protocol of the front-end network processor.
- Output processing — output is sent to the Level 6 from the Remote System Output function of the host processor, also via the Remote Computer Interface.

RBT 6/301 supports a single job stream transmitted over one communication link at a rate of 2000 bps to 9600 bps. Program loading is accomplished with cards.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHD 0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**RBT 6/302****HDS**

**DESCRIPTION:** The RBT 6/302 Remote Batch Terminal software enables the Level 6 to be used in a remote processing environment with Series 60 Level 66 and Series 6000 host processing systems that have a GRTS or NPS front-end network processor.

The RBT package provides two basic functional capabilities:

- Input processing — jobs are submitted from the Level 6 to the Remote System Input function of the host processor via the Remote Computer Interface protocol of the front-end network processor.
- Output processing — output is sent to the Level 6 from the Remote System Output function of the host processor, also via the Remote Computer Interface.

RBT 6/302 supports one to four communication links to one or more host processors. One job stream (input or output) can be processed over each communication link at a rate of 2000 bps to 9600 bps. Program loading is accomplished with a diskette.

**MINIMUM HARDWARE REQUIREMENTS:**

- Varies depending on software release

**SHIPPING MEDIUM:** Diskette (SHD0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

# **Section 6**

**SERIES 60 LEVEL 68**

**SECTION 6**  
**SERIES 60 LEVEL 68**  
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# Section 6

## SERIES 60 LEVEL 68

### SYSTEM SOFTWARE

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#### MULTICS HDS

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**DESCRIPTION:** Multics is a virtual memory operating system which incorporates multiprogramming, multiprocessing, local and remote batch, time sharing, transaction remote batch, time sharing, transaction processing, graphics, interactive program development, word processing plus the latest concepts in data base management. Multics architecture is oriented directly toward online applications.

Multics is completely interactive and permits the controlled sharing of operating system software libraries, language processors, data bases, and user code and data.

Unlike other operating systems, Multics has no Job Control Language (JCL) but provides control functions via a standard command processor which provides one user interface to all process dimensions.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 68 or Level 68/DPS central system

#### DOCUMENTATION:

Product Briefs (DF51, AK57, DG74, AK58, DG06)  
Brochures (AK27, DG17, AK15)  
Reference Manuals (AG90, AG91, AG92, AL40, AS68)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### WORD PROCESSING SYSTEM HDS (WORDPRO)

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**DESCRIPTION:** WORDPRO is an easy-to-use tool containing a variety of capabilities for both the non-technical user and program developer. It enables terminal users to develop and maintain documents ranging from simple form letters to complex technical presentations simultaneously with other data processing activities.

WORDPRO provides for:

- Speedtype — Shorthand typing, which allows users to specify abbreviations for input of character sequences. Abbreviations are expanded when document is printed.
- Text Editing — Lets user do string editing using a hard copy terminal.
- Document Formatting and Hyphenation — Handles margin and page length control, automatic page and paragraph number, widow processing, table of contents generation, font and forms control, artwork placement, automatic hyphenation, headers/footers, footnotes.

- Quality Control — Online dictionaries can be used to detect misspelled words and change bars can be generated on documents undergoing review.
- List Processing — Generates personalized form letters, billing statements, etc.
- Artwork — Generates diagrams, charts, flow charts and logos which can be included as part of the final document.
- Output Control — Text can be output on local or remote printers, line printers, plotting terminals, CRT devices, and Honeywell Page Printing system.
- Photocomposition — Allows the generation of control information for automated typesetting devices.
- Electronic Mail — Allows user to send and receive mail ranging from short messages to lengthy memos or documents. Security is provided via a personal mailbox area subject to access control checking.
- Accessibility of Other Facilities — Because WORDPRO is an integrated part of Multics, its users can access other facilities such as financial data stored in a data base, or the Graphics Subsystem etc.

#### MINIMUM HARDWARE REQUIREMENTS:

- Series 60 Level 68 or 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

#### DOCUMENTATION:

Product Briefs (DF83, DG58)  
Brochure (DF88)  
Reference Manual (AZ98)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### MULTICS ELECTRONIC MAIL FACILITY HDS

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**DESCRIPTION:** The Multics Electronic Mail Facility offers its users direct, online, person-to-person distribution of text. It handles mail ranging from brief memos to multivolume documents and delivers that mail immediately to data terminals or to secure online mailboxes. The contents of each user's mailbox and archive is protected by the extensive security controls of the Multics virtual memory and file management functions. When mail arrives in a user's mailbox, the recipient is immediately notified. The user can then selectively display the mail with simple commands, save it in mail archive files, or delete it.

Electronic mail operates in conjunction with WORDPRO, the Level 68 word processing system, and automates the creation, distribution, and updating of text information.

#### MINIMUM HARDWARE REQUIREMENTS:

- Multics Electronic Mail
- Series 60 Level 68 or Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Product Brief (DG58)  
Reference Manual (AG92)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS COBOL-74****HDS**

**DESCRIPTION:** Multics COBOL-74 compiler conforms to American National Standard COBOL-74. The compiler accepts source program input from cards, remote terminals, user files, source library files and user copy library files. Generated object code is pure and reentrant with recursive capabilities. Calls can be made to other programs which can be written in any of the support Multics programming languages.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 68 or Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Reference Manuals (AS43, AS44)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS FORTRAN FAST/FORTRAN****HDS**

**DESCRIPTION:** The Multics FORTRAN compiler conforms to American National Standard. The compiler accepts source program input from cards, remote terminals, and user files. Generated object code is pure and reentrant. Calls can be made to other programs which can be written in any of the support Multics programming languages.

**MINIMUM HARDWARE REQUIREMENTS:**

- Multics FORTRAN
- Series 60 Level 68 or Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Reference Manuals (AT58, AU25)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS APL****HDS**

**DESCRIPTION:** Multics APL is an advanced version of the APL programming language. It is a general purpose language that is both easy to learn and powerful to use. It is interactive by design and users need little or no prior computer knowledge to use it.

It is particularly well suited for business and scientific applications requiring the manipulation of arrays of data. Typical business applications include financial modeling, investment analysis, sales forecasting, and payroll and budget analysis. Scientific applications include linear programming, regression analysis, and pipe stress networks.

Multics APL can call APL functions written in PL/I, which, in turn, can call programs written in BASIC, COBOL, or FORTRAN. This means the Multics APL user can easily interface to the Multics Graphics System, the Multics Relational Data Base Manager, and other packages. All generated code is pure and reentrant with recursive capabilities.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Product Brief (DG77)  
Reference Manual (AK95)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS FAST ACCESS SYSTEM FOR TIMESHARING (FAST)****HDS**

**DESCRIPTION:** Multics FAST subsystem is an easy-to-use, time-sharing facility designed primarily for creating and running BASIC and FORTRAN programs. A simplified command language is used to create and edit text files and to compile and run programs.

The segments and programs of this subsystem are part of the Multics system environment. However, no prior knowledge of Multics is needed to use the system.

BASIC is the same BASIC used in the full Multics system. FORTRAN is a superset of ANSI FORTRAN with extensions for compatibility with Multics. A number of time-sharing oriented features have been added and the use of expressions in language constructs generally expanded.

Command level text editing facilities on this subsystem support editing and sorting of line-numbered input. Unnumbered text can be created and modified with the edm command. File handling facilities support segment creation, deletion, modification, and renaming. A user can access any segment in the Multics system to which he has the appropriate access privileges. This means that the user can use programs that belong to other users or that are from system libraries.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 68 or Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Reference Manual (AU25)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS PL/I****HDS**

**DESCRIPTION:** Multics PL/I is a language processor designed for commercial, scientific, and system programming applications. It is the language defined by the American National Standards Institute's PL/I standardization committee.



The compiled code is extremely efficient. The compiler was specifically designed for Multics and has been used to compile itself and most Multics software.

Multics PL/I is a block structured language that permits both internal and external variables and procedures. A comprehensive set of data formats gives PL/I considerable data descriptive power. These include 16 distinct types of arithmetic data, character string, bit string, locator, label, entry, file, and area data. All generated code is pure and reentrant with recursive capabilities.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 68 or Level 68/DPS central system under the control of the Multics Operating System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Product Brief (AK69)  
Reference Manuals (AG94, AM83)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS REPORT PROGRAM GENERATOR (RPG)**

**HDS**

**DESCRIPTION:** The Multics RPG is designed to assist a user in describing formatted reports. Compiling a program written in Multics RPG results in a "report command"; executing a "report command" results in the production of reports.

The user describes a desired report by defining the input, output, and desired processing. Input may have fixed or variable fields and each input record may produce one or more lines in one or more reports.

Report commands need not be compiled each time they are used. The user may invoke an already compiled report command from the command level, from within a program, etc., in the same manner in which commands and programs are normally used in the Multics system.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 68 or Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Reference Manual (CC69)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS LOGICAL INQUIRY AND UPDATE SYSTEM (LINUS)**

**HDS**

**DESCRIPTION:** The Logical Inquiry and Update System (LINUS) provides a data base query and update capability for non-data-processing terminal users. This facility is designed primarily for interactive use on an ad hoc basis. However, an extensive macro capability is provided to enable the use of preprogrammed routines.

LINUS operates as a subsystem and provides the capability to retrieve and update data in a Multics Relational Data Store (MRDS) data base. Data to be selected is specified via expressions in the LINUS Language (LILA), which is a dialect of SEQUEL.

The user views the data base as a set of tables containing rows and columns of data. LILA allows the selection algorithm to be specified as a series of table look-up operations, very similar to the way an individual would manually scan a set of tables for information.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 68 or Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Product Brief (DH65)  
Reference Manual (AZ49)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS DATA BASE MANAGER (MDBM) HDS**

**DESCRIPTION:** The Multics Data Base Manager (MDBM) provides users with a powerful, versatile, efficient, and easy-to-use data base management capability. MDBM functions as a subsystem of the Multics operating software, and makes use of the Multics virtual memory and file management subsystems. It is designed to support concurrent access to up to 64 data bases of up to 180 billion characters each.

MDBM offers the user a choice of two different methods for structuring and manipulating a given data base: a relational approach and a procedural, CODASYL standard approach. The relational technique greatly simplifies the job of programmers and end-users, as a detailed knowledge of the logical structure of the data base is not required to use it. The procedural approach is available to those programmers who are familiar with and prefer CODASYL data base techniques.

Any Multics-supported language may be used to access MDBM facilities, including COBOL-74, PL/I, FORTRAN, APL, BASIC, and Assembler. Well-defined CALL statements are employed.

MDBM supports all processing modes such as transaction processing, time sharing, batch, remote job entry, and direct access. All of these modes can be supported simultaneously.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 68 or Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Product Brief (DF53)  
Brochure (DF69)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS RELATIONAL DATA STORE (MRDS)**

**HDS**

**DESCRIPTION:** The Multics Relational Data Store (MRDS), a component of the data base manager, represents data relationships by means of formal algebraic entities. A user structures and accesses data files without

concern for how or where the data is actually stored. As a result, the user's task is greatly simplified.

MRDS provides an integrated set of functions to support the description and processing of a wide variety of data base structures. Data independence is achieved through the use of data model/submodel concepts.

MRDS supports all processing models such as transaction processing, time sharing, batch, remote job entry and direct access. All of these models can be supported simultaneously.

Any Multics-supported language may be used to access MRDS facilities, including COBOL-74, PL/I, FORTRAN, APL, BASIC, and Assembler. Well-defined CALL statements are employed.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 68 or Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Product Brief (DF53)  
Brochure (DF69)  
Reference Manual (AW53)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**MULTICS INTEGRATED DATA STORE (MIDS) HDS**

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**DESCRIPTION:** The Multics Integrated Data Store (MIDS) provides an interface with the data base manager following CODASYL standards. MIDS is a subset of the I-D-S/II data base management system. This capability is highly flexible, allowing the building of network, hierarchical, sequential, or cyclical structures.

MIDS provides a CODASYL language interface to the functions required to support the description and access to CODASYL data base organizations, including hierarchies and networks. Data independence between the physical data base and application programs is achieved through use of schema and subschema concepts as specified by CODASYL.

MIDS relies primarily on access control lists rather than privacy locks or passwords to provide security at the level of the record and set. Concurrent update protection is provided at the record type and set name level.

MIDS supports all processing modes such as transaction processing, time sharing, batch, remote job entry, and direct access. All of these modes can be supported simultaneously.

**MINIMUM HARDWARE REQUIREMENTS:**

- Series 60 Level 68 or Level 68/DPS central system
- Front-End Network Processor under the control of Multics and the Multics Communication System

**OPERATING SYSTEM:** Multics

**DOCUMENTATION:** Product Brief (DF53)  
Reference Manual (Preliminary)

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

# **Section 7**

## **XEROX PRODUCTS**

**SECTION 7**  
**XEROX PRODUCTS**  
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# Section 7

## XEROX PRODUCTS

### INTRODUCTION

This section contains the KWIC INDEX from the PAL manual. The Program Availability List (PAL) is a microfiche document that lists all the application products supporting Xerox products. It classifies available software by 16- and 32-bit products and lists them alphabetically with the catalog number.

The first grouping covers the 32-bit 5-9/550/560 equipment; the second group covers the 16-bit 2/3-530 equipment.

Currently, there is no charge for software (except for licensed type A programs) but an approved Honeywell license is required for CP-V and CP-R. The agreement permits customers to order and use the operating systems and related packages.

Interested persons should contact their local Honeywell field office for more information.

## PROGRAM AVAILABILITY LIST

| KEY                                      | TITLE                             | CAT,NO CL | KEY  | TITLE                          | CAT,NO CL |
|--|-----------------------------------|-----------|--|--------------------------------|-----------|
| "HELP"...                                | UTILITY PACKAGE                   | 890544 B3 | ANALYSIS...                                | MULTIPLE CLASSIFICATION        | 890474 B3 |
| A*B*C = DESIGN ANALYSIS...               |                                   | 890435 B3 | ANALYSIS...                                | MULTIPLE DISCRIMINANT          | 890475 B3 |
| A*B*S ANALYSIS OF VARIANCE...            |                                   | 890436 B3 | ANALYSIS...                                | MULTIPLE REGRESSION            | 890476 B3 |
| A*S ANAL. OF VARIANCE HIGH SPEED...      | ANOVA =                           | 890437 B3 | ANALYSIS, STEPWISE...                      | MULTIPLE REGRESSION            | 890477 B3 |
| AC...CIRC-                               |                                   | 706112 A1 | ANALYZER PROGRAM (EAP)...                  | EXECUTION                      | 890758 B3 |
| ACCEPTANCE TESTS FOR LTV...              | PAM-PDM + ADC                     | 705367 B3 | ANALYZER...                                | SLR1                           | 890985 B3 |
| ACCOUNTING SUMMARY...                    | UTS                               | 890787 B3 | ANOVA = A*S ANAL. OF VARIANCE HIGH SPEED.. |                                | 890437 B3 |
| ACCOUNTING SYSTEM SUMMARY PROCR....      | SIGMA                             | 705689 B3 | ANOVA = CONVARIANCE...                     |                                | 890438 B3 |
| ACQUISITION PACKAGE...                   | LOCKHEED                          | 706518 B3 | ANOVA = GENERAL BALANCE DESIGNS...         |                                | 890439 B3 |
| ACQUISITION PROGRAM...                   | PCM DATA                          | 705656 B3 | ANOVA = GENERALIZED ANALYSIS OF VARIANCE.. |                                | 890440 B3 |
| ADAPT - NUMERICAL CONTROL PROGRAM...     |                                   | 890747 B3 | ANOVA = LINDQUIST TYPE III EXTENDED...     |                                | 890443 B3 |
| ADC ACCEPTANCE TESTS FOR LTV...          | PAM-PDM +                         | 705367 B3 | ANOVA = LINDQUIST TYPE III...              |                                | 890442 B3 |
| ADC HIGH LEVEL ROUTINES (ADCHIGH)...     |                                   | 706231 B3 | ANOVA=LINDQUIST TYPE I ANAL. OF VARIANCE.. |                                | 890441 B3 |
| ADC LOW LEVEL ROUTINES (ADCLOW)...       |                                   | 706232 B3 | ANS COBOL COMPILER...XEROX                 |                                | 705888 B1 |
| ADCHIGH)...                              | ADC HIGH LEVEL ROUTINES (         | 706231 B3 | ANS FORTRAN...                             | CP-V                           | 706525 B1 |
| ADCLOW)...                               | ADC LOW LEVEL ROUTINES (          | 706232 B3 | ANS TAPE TO KEYED DISK UTILITY...          |                                | 891052 B3 |
| ADD SEQUENTIAL SUBROUTINE...             | COROL                             | 890604 B3 | AP)...                                     | XEROX ASSEMBLY PROGRAM (       | 706459 B2 |
| ADS 10 DIAGNOSTIC...                     | 7915/                             | 706145 B3 | AP)...                                     | XEROX ASSEMBLY PROGRAM (       | 706475 B1 |
| ADS-10 AIC...                            | HANDLER FOR 7915/                 | 705864 B3 | APFXTCLP...                                |                                | 890894 B3 |
| ADS-10 ANALOG SIIU DIAGNOSTIC PROGRAM... |                                   | 705887 B3 | APL COURSE...                              | APL LEARNING AID = CLASS,      | 890929 B3 |
| AIC...                                   | HANDLER FOR 7915/ADS-10           | 705864 B3 | APL FILE CONVERTER...                      | IBM-XEROX                      | 890832 B3 |
| AID = CLASS, APL COURSE...               | APL LEARNING                      | 890929 B3 | APL LEARNING AID = CLASS, APL COURSE...    |                                | 890929 B3 |
| AID AND READINESS TEST (CART)...         | CHECK OUT                         | 705668 B3 | APL MGMT PROBLM SOLVING WORKSPACES...      |                                | 891068 B3 |
| AID READINESS...                         | CART-3 CHECK-OUT                  | 706205 B3 | APL WORKSPACE CONVERTER...                 | IBM-XEROX                      | 890831 B3 |
| AID)...                                  | AUTOMATIC INTERACTION DETECTION ( | 890447 B3 | APL WORKSPACES...                          |                                | 891058 B3 |
| AID-CHECKER...                           | CHECKOUT                          | 704448 B3 | APL...                                     | DREV                           | 890716 B3 |
| ALGEBRAIC LANGUAGE...                    | CAL-CONVERSATIONAL                | 890711 B3 | APL...XEROX                                |                                | 706434 B1 |
| ALGOL 60...                              | EXTENDED                          | 890750 B3 | APL...XEROX/COAST CAL/                     |                                | 890813 B3 |
| ALLOCATION DIAGNOSTICS DEMO...           | FORTRAN IV                        | 705762 B3 | APS) SYS...                                | AUTOMATED PROCUREMENT STATUS ( | 890895 B3 |
| ALTRAN RUN-TIME ROUTINES...              |                                   | 890846 B1 | APT3 (LEVEL 3) LATHE POSTPROCESSOR...      |                                | 891000 B3 |
| ANAL. OF VARIANCE HIGH SPEED...          | ANOVA = A*S                       | 890437 B3 | APT3 (LEVEL 3)...                          |                                | 890749 B3 |
| ANAL. OF VARIANCE...                     | ANOVA-LINDQUIST TYPE I            | 890441 B3 | ARDS DISPLAY TEST...                       |                                | 706234 B3 |
| ANAL. OF VARIANCE...                     | LINDQUIST TYPE EXT.               | 890445 B3 | ARGONNE HI-LEVEL ANALOG INPUT DIAGNOSTIC.. |                                | 705868 B3 |
| ANALEX LINE PRINTER TEST...              | 96-CHARACTER                      | 705731 B1 | ARGONNE LO-LEVEL ANALOG INPUT DIAGNOSTIC.. |                                | 705867 B3 |
| ANALOG DIGITAL SIMULATION PROGRAM...     |                                   | 890561 B3 | ARRAY GENERATOR (TEXTAR)...                | BASIC TEXT                     | 706111 B3 |
| ANALOG INPUT DIAGNOSTIC...               | ARGONNE HI-LEVEL                  | 705868 B3 | ARRAYS...                                  | DEMAND PAGED FORTRAN           | 890881 B3 |
| ANALOG INPUT DIAGNOSTIC...               | ARGONNE LO-LEVEL                  | 705867 B3 | ASR/KSR)...                                | KEYBOARD PRINTER TEST (        | 705651 B1 |
| ANALOG INPUT SUBSYSTEM...                | PURDUE SPECIAL                    | 704341 B3 | ASSEMBLER (RBM VERSION)...                 | SYMBOL                         | 705846 B2 |
| ANALOG STU DIAGNOSTIC PROGRAM...         | ADS-10                            | 705887 B3 | ASSEMBLER (COVER)...                       | META-SYMBOL                    | 704428 B1 |
| ANALYSIS (ELLA)...                       | CP-V/CP-R ERROR LOG LIST          | 708006 B1 | ASSEMBLER FOR RCM...                       | SYMBOL                         | 704158 B3 |
| ANALYSIS (PRINCIPLE COMPONENTS)...       | FACTOR                            | 890460 B3 | ASSEMBLER FOR RPM/BTM...                   | SYMBOL                         | 704159 B2 |
| ANALYSIS = CPSA...                       | CANONICAL                         | 890450 B3 | ASSEMBLER...                               | HP RT EXECUTIVE CROSS          | 890982 B3 |
| ANALYSIS ; HIERARCHICAL GROUPING...      | CLUSTER                           | 890472 B3 | ASSEMBLER...                               | RBM MACRO-SYMBOL               | 705781 B3 |
| ANALYSIS OF VARIANCE...                  | A*B*S                             | 890436 B3 | ASSEMBLER...                               | SIGMA 2 BASIC SYMBOL           | 890672 B3 |
| ANALYSIS OF VARIANCE...                  | ANOVA = GENERALIZED               | 890440 B3 | ASSEMBLER...                               | STAND-ALONE SYMBOL             | 704160 B3 |
| ANALYSIS OF VARIANCE...                  | INTERACTIVE                       | 890839 B3 | ASSEMBLER/INTERPRETER SYSTEM...            | MIX                            | 890715 B3 |
| ANALYSIS OF VARIANCE...                  | LINDQUIST TYPE IV                 | 890444 B3 | ASSEMBLY OF SIGMA 2 PROG...                | PROCEDURES FOR                 | 890615 B3 |
| ANALYSIS PROGRAM...                      | 1620 ELECTRONIC CIRCUIT           | 890667 B3 | ASSEMBLY PROGRAM (AP)...                   | XEROX                          | 706459 B2 |
| ANALYSIS WITH ROTATION...                | FACTOR                            | 890465 B3 | ASSEMBLY PROGRAM (AP)...                   | XEROX                          | 706475 B1 |
| ANALYSIS...                              | A*B*C = DESIGN                    | 890435 B3 | ATAK...                                    | PRINT/COPY UTILITY =           | 706119 B3 |
| ANALYSIS...                              | CROSS CLASSIFICATION              | 890456 B3 | ATP FOR DATA RECORDING AND TIMING SYSTEM.. |                                | 705675 B3 |
| ANALYSIS...                              | DISTRIBUTION                      | 890457 B3 | AUTO BOOT...                               | SYSTEM DISC DUMP/RESTORE/      | 890734 B3 |
| ANALYSIS...                              | FRIEDMAN TWO-WAY                  | 890429 B3 | AUTO DIAL DIAGNOSTIC PROGRAM...            |                                | 704074 B1 |
| ANALYSIS...                              | INTERACTIVE MULTIPLE REGRESSION   | 890866 B3 | AUTO SCHEDULE...                           |                                | 890954 B3 |
| ANALYSIS...                              | ITEM                              | 890473 B3 | AUTO VOL RECOGNITION FOR PRIVATE PACKS...  |                                | 891069 B3 |

## PROGRAM AVAILABILITY LIST

| KEY              | TITLE                                 | CAT,NO CL | KEY  | TITLE                                 | CAT,NO CL |
|------------------|---------------------------------------|-----------|--|---------------------------------------|-----------|
| AUTO...          | CPU DIAGNOSTIC =                      | 704287 B3 | BLOCKED AND OVERLAPPED I/O PACKAGE...      |                                       | 890967 B3 |
| AUTO...          | INSTRUCTION DIAGNOSTIC -              | 730000 B1 | BLOCKER-FILE BLOCKING/UNBLOCKING ROUTINE.. |                                       | 890955 B3 |
| AUTO)            | CPU DIAGNOSTIC (                      | 706133 B1 | BLOCKING/UNBLOCKING ROUTINE...BLOCKER-FILE |                                       | 890955 B3 |
| AUTO)            | CPU DIAGNOSTIC SYSTEM (               | 704044 B3 | BMD...UCLA BIOMEDICAL STATISTICAL PACKAGE- |                                       | 890850 B3 |
| AUTO=8           | CROSS-LAG INTERCORRELATION...         | 890448 B3 | ROMT...STAND-ALONE I/O HANDLER FOR         |                                       | 704173 B3 |
| AUTOMATED        | MEDICAL HISTORY PROGRAM...            | 890724 B3 | RONO...STAND-ALONE I/O HANDLER FOR         |                                       | 704163 B3 |
| AUTOMATED        | PROCUREMENT STATUS (APS) SYS....      | 890895 B3 | ROOK...                                    |                                       | 706504 B3 |
| AUTOMATIC        | INTERACTION DETECTION (AID)...        | 890447 B3 | ROOLEAN FUNCTIONS FOR SIGMA 7...INTEGER    |                                       | 890327 B3 |
| AXB              | LEAST SQUARES...                      | 890434 B3 | ROOT...SYSTEM DISC DUMP/RESTORE/AUTO       |                                       | 890734 B3 |
| BADGE            | READER DIAGNOSTIC PROGRAM...          | 705663 B3 | ROOTSTRAP                                  | LOADER...ABSOLUTE                     | 704145 B3 |
| BALANCE          | DESIGNS...ANOVA - GENERAL             | 890439 B3 | ROPP...STAND-ALONE I/O HANDLER FOR         |                                       | 704171 B3 |
| BALANCE          | DP0215...DISTRIBUTION LEDGER TRIAL    | 890592 B3 | RPM/BTM                                    | BASIC COMPTLER                        | 705398 B2 |
| BALL             | MODEL XPS-95 DEMO PROGRAM...NASA/     | 705843 B3 | RREAKDOWN                                  | TRANSLATOR (ROMBUST)...ROM            | 890143 B3 |
| BALL             | MODEL XPS-95 HANDLER...NASA/          | 705818 B3 | BROWSE                                     | - INTERACTIVE INDEXED TEXT SYSTEM..   | 890877 B3 |
| BATCH            | MONITOR (RBM)...REAL-TIME             | 705732 B2 | BUDGET                                     | STATEMENTS (DP0222)...MONTHLY         | 890593 B3 |
| BATCH            | MONITOR CROSS REFERENCE GENERATOR...  | 890147 B3 | BUILD...TRANSMOG-                          | EBCDIC BINARY FILE                    | 706201 B3 |
| BATCH            | MONITOR--1 (RBM-1)...REAL-TIME        | 705280 B3 | BURSTER...PAGE                             |                                       | 890797 B3 |
| BATCH            | QUEUE CHECKING GHOST...               | 891067 B3 | BUSINESS                                   | POLICY GAME...                        | 890558 B3 |
| BATCH            | QUEUE DISPLAY FOR ON-LINE...          | 891066 B3 | BYTE                                       | INSTRUCTION DIAGNOSTIC PROGRAM...     | 730023 B1 |
| BATCH            | QUEUE EXCHANGER...BATQXCH =           | 890928 B3 | BYTE                                       | MIOF TEST PROGRAM...4                 | 705292 B3 |
| BATCH            | QUEUE MANIPULATOR...                  | 891065 B3 | BYTE-STRING                                | INSTRUC. SIMULATOR (BCM VER)..        | 704365 B3 |
| BATCH            | STREAM CARD LISTFR...                 | 890714 B3 | BYTE-STRING                                | INSTRUCTION SIMULATOR (S/A)...        | 704151 B3 |
| BATCH            | TERMINAL TEST PROGRAM...REMOTE        | 704983 B3 | ROCP...STAND-ALONE I/O HANDLER FOR         |                                       | 704172 B3 |
| BATQXCH          | = BATCH QUEUE EXCHANGER...            | 890928 B3 | CAGE                                       | SIGMA 7 CPU EXERCISER...MARTIN-       | 704965 B3 |
| BCD              | CONVERSION...CN704852 MODOFORTIV COMP | 890321 B3 | CAL-CONVERSATIONAL                         | ALGEBRAIC LANGUAGE...                 | 890711 B3 |
| BCD-EBCDIC       | CONVERSION SURR...FORTRAN IV          | 890324 B3 | CAL/APL...XEROX/COAST                      |                                       | 890813 B3 |
| BCD/EBCDIC       | TRANSLATION TABLE...                  | 704855 B3 | CALC...FOCAL, FORTRAN-CALCULATOR,DESK      |                                       | 890312 B3 |
| BCM              | ABS DUMP LOADER...RASIC               | 704146 B3 | CALCOMP                                    | PLOTTER LABELLING SUBR (LABEL)...     | 704061 B3 |
| BCM              | OPERATING SYSTEM...                   | 704144 B3 | CALCOMP                                    | PLOTTER SUBROUTINE PACKAGE...         | 890732 B3 |
| BCM              | VER)...DECIMAL INSTRUCTION SIMULATOR  | 704364 B3 | CALCOMP                                    | PLOTTER...SYMBOL LAB. ROUTINE FOR     | 890388 B3 |
| BCM              | VER)...BYTE-STRING INSTRUC. SIMULATOR | 704365 B3 | CALCOMP                                    | PLOTTING PACKAGE...                   | 890738 B3 |
| BCM              | VER)...FLOATING POINT INST. SIMULATOR | 704363 B3 | CALCOMP                                    | PLOTTING SUBROUTINE (PLOT)...         | 704060 B3 |
| BCM              | VERS...UNIMPLEMENTED INST. SIM. PKG.  | 704362 B3 | CALCULATION...RELIABILITY PREDICTION       |                                       | 706455 B3 |
| BCM              | VERSION)...EXTENDED FORTRAN IV-H (    | 705850 B3 | CALCULATOR,DESK CALC...FOCAL, FORTRAN-     |                                       | 890312 B3 |
| BCM...MONITOR    | FOR                                   | 704133 B3 | CALENDAR...                                |                                       | 890788 B3 |
| BCM...SYMBOL     | ASSEMBLER FOR                         | 704158 B3 | CALS                                       | FOR FORTRAN USEPS-MONITOR CALI'S...   | 890660 B3 |
| BCM)...CONVERT   | INSTRUCTION SIMULATOR (               | 704366 B3 | CALI'S...CALS                              | FOR FORTRAN USERS-MONITOR             | 890660 B3 |
| BCM)...EXTENDED  | FORTRAN IV/IV-H LIBRARY (             | 705821 B3 | CANONICAL                                  | ANALYSIS - CPSA...                    | 890450 B3 |
| BCM/STAND-ALONE  | COMMON SOFTWARE PACKAGE...            | 704127 B3 | CARD                                       | COPY AND VERIFY PROGRAM - UTILITY...  | 704442 B3 |
| BDP\$PRT...      | COBOL SURROUTINE                      | 890606 B3 | CARD                                       | COPY/VERIFY PROGRAM...CCOPY-PUNCHED   | 890727 B3 |
| BINOMIAL         | SIGNIFICANCE TEST...                  | 890449 B3 | CARD                                       | CORE DUMP - UTILITY...ONE             | 705750 B3 |
| BIOMEDICAL       | PROG.-REGULAR & X SFRIES...UCLA       | 890890 B3 | CARD                                       | DECK...JT-14 PET UNIT TEST PATTERN    | 704427 B3 |
| BIOMEDICAL       | STATISTICAL PACKAGE-BMD...UCLA        | 890850 B3 | CARD                                       | DPLICATOR - USES 7160 PUNCH...        | 890556 B3 |
| BIRD             | WHISTLING-SIMULATON...                | 890557 B3 | CARD                                       | EQUIPMENT TEST...COMPREHENSIVE        | 706169 B1 |
| BIT              | CARD READER/CARD PUNCH TEST...32      | 730031 B1 | CARD                                       | FILE...CONTROL                        | 890843 B3 |
| BIT              | COMPREHENSIVE LP TEST...XEROX 32      | 730032 B1 | CARD                                       | LISTER USING SIG 5/7 (STAND-ALONE)... | 890554 B3 |
| BIT              | EDIT DIAGNOSTIC SYSTEM PROGRAM...32-  | 730014 B1 | CARD                                       | LISTER...RATCH STREAM                 | 890714 B3 |
| BIT              | I/O UTILITY PROGRAM...32-             | 730030 B1 | CARD                                       | PUNCH TEST...32 BIT CARD READEP/      | 730031 B1 |
| BIT              | LIBRARY LOADER...XEROX 32-            | 730011 B1 | CARD                                       | READER SYMB. START...RPM SELF SCARE-  | 890545 B3 |
| BIT              | ONLINE MONITOR...32                   | 706497 B1 | CARD                                       | READER/CARD PUNCH TEST...32 BIT       | 730031 B1 |
| BIT              | WORD TO 64 BIT...C36T64 CONVERT 36    | 890721 B3 | CARD                                       | STORE/RETRIEVF (CSR)...               | 705879 B3 |
| BIT...C36T64     | CONVERT 36 BIT WORD TO 64             | 890721 B3 | CARD...UTILITIFS                           | SINGLE                                | 890659 B3 |
| BIT...NINE-TRACK | MAGNETIC TAPE TEST 32                 | 730035 B1 | CARD,PUT,MT)-UTIL...S/A FILE CPY AND VER(  |                                       | 704782 B3 |
| BLDCRSE-S-O-P    | COURSE NAME PROGRAM...                | 890582 B3 | CARDS                                      | FOR ILLEG.PUNCHES & SEQ....EDIT DATA  | 890458 B3 |
| BLDNAME          | = S-O-P STUDENT NAME PROGRAM...       | 890583 B3 | CARDS...EXTRACT                            | PAYROLL 5                             | 890570 B3 |

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| KEY               | TITLE                                 | CAT,NO CL | KEY                   | TITLE                                  | CAT,NO CL |
|-------------------|---------------------------------------|-----------|-----------------------|--|-----------|
| CARDS...          | EXTRACT WAGE                          | 890567 B3 | COROL                 | SUBROUTINE BINARY SEARCH...            | 890607 B3 |
| CART...           | PANAVIA                               | 706441 B3 | COROL                 | SUBROUTINE DFLREC...                   | 890600 B3 |
| CART)             | CHECK OUT AID AND READINESS TEST (    | 705668 B3 | COROL                 | SUBROUTINE GFTCOM...                   | 890601 B3 |
| CART-3            | CHECK-OUT AID READINESS...            | 706205 B3 | COROL                 | SUBROUTINE GETKEY...                   | 890602 B3 |
| CARTRIDGE         | DISK DIAGNOSTIC...550/560             | 730027 B1 | COROL                 | SUBROUTINE KEYSTART...                 | 890603 B3 |
| CASPRE            | BPM...                                | 890791 B3 | COROL                 | SUBROUTINE PAPERCHG...                 | 890605 B3 |
| CATALOG           | PROCEDURES...                         | 890818 B3 | COROL                 | TELETYPE INTERFACE SUBROUTINES...      | 890746 B3 |
| CCOPY-PUNCHED     | CARD COPY/VERIFY PROGRAM...           | 890727 B3 | COROL                 | TTY + ROUTINES...                      | 891064 B3 |
| CCS...            | ON-LINE COMPUTER CENTER SUBSYSTEM     | 706436 B3 | COROL                 | TIMER FLAPSED TIME SUAR FOR            | 890709 B3 |
| CCS-20            | DIAGNOSTIC PROGRAM WITH HANDLERS...   | 705358 B3 | COC                   | HANDLER FOR XEROX MESSAGE SWITCH SYS.. | 705726 B3 |
| CC32              | DIAGNOSTIC PROGRAM...SIGMA 5-9        | 705886 B3 | COCHRAN               | Q-TEST...                              | 890427 B3 |
| CENTER            | SUBSYSTEM CCS...ON-LINE COMPUTER      | 706436 B3 | CODE                  | SYSTEM HANDLER (TCSH)...TIME           | 706237 B3 |
| CFE=3             | TEST...                               | 704340 B3 | CODE                  | TRANSLATOR TEST...TIME                 | 706235 B3 |
| CHANNEL           | INTERFACE UNIT TEST DIAGNOSTIC...     | 705279 B1 | CODE...               | SIGMA 5/7 MFOR LINEAR PROGRAMMING      | 890146 B3 |
| CHANNEL           | MAGNETIC TAPE TEST...7                | 705735 B1 | CODED                 | DECIMAL...FCD ENGLISH                  | 890736 B3 |
| CHANNEL           | MAGNETIC TAPE TEST...9                | 705542 B1 | COEFF...              | CROSS TABS, CHI-SQUARES, CONTIN6.      | 890454 B3 |
| CHANNEL           | TEST PROGRAM...INTEGRAL IOP           | 704018 B3 | COEFFICIENT           | OF CONCORDANCE...KENDALL               | 890430 B3 |
| CHAR              | POTTER LINE PRINTER TEST PROG...192   | 705428 B3 | COL, BINARY)          | SUBROUTINE PUNCH (                     | 890658 B3 |
| CHAR              | ROM MATRIX GENERATOR...5-9,550/560    | 706517 B3 | COLOR                 | TRANSLATOR...TRISTIMULUS TO MUNSELL.   | 890878 B3 |
| CHAR              | ROM MATRIX IDS10/20...SIG 5-9,550/560 | 706516 B3 | COMET...              | MEMORY DIAGNOSTIC -                    | 706140 B1 |
| CHARACTER         | ANALEX LINE PRINTER TEST...96-        | 705731 B1 | COMMON                | SOFTWARE PACKAGE...BCM/STAND-ALONE     | 704127 B3 |
| CHARACTER         | MANIPULATION ROUTINES--FORTRAN..      | 890657 B3 | COMMUNICATION         | TEST...CHARACTER ORIENTED              | 704016 B1 |
| CHARACTER         | ORIENTED COMMUNICATION TEST...        | 704016 B1 | COMMUNICATIONS        | CONTROL PROG...UNIVAC 1108             | 890743 B3 |
| CHARACTER         | PRINTER TEST PROGRAM...OPTICAL        | 706411 B3 | COMP                  | BCD CONVERSION...CN704852 MODOFORTIV   | 890371 B3 |
| CHECK             | LISTING (DPO512)...OUTSTANDING        | 890597 B3 | COMP/SOURCE           | UPDATE EDITOR - UTILITY...S/A          | 704785 B3 |
| CHECK             | OUT AID AND READINESS TEST (CART)...  | 705668 B3 | COMPARE...            | METASYMBOL SOURCE PROGRAM              | 890876 B3 |
| CHECK...          | PAYROLL ERROR                         | 890565 B3 | COMPARISON            | PROGRAM...SCOMPARE-SOURCE FILE         | 890956 B3 |
| CHECK-OUT         | AID READINESS...CART-3                | 706205 B3 | COMPONENTS)           | FACTOR ANALYSIS (PRINCIPLE             | 890460 B3 |
| CHECKER...        | CHECKOUT AID-                         | 704448 B3 | COMPREHENSIVE         | CARD EQUIPMENT TEST...                 | 706169 B1 |
| CHECKING          | GHOST...BATCH QUEUE                   | 891067 B3 | COMPREHENSIVE         | FORTRAN I/O PACKAGE...                 | 891055 B3 |
| CHECKOUT          | AID-CHECKER...                        | 704448 B3 | COMPREHENSIVE         | LINE PRINTER TEST...                   | 706167 B1 |
| CHECKS...         | PAYROLL                               | 890566 B3 | COMPREHENSIVE         | LP TEST...XEROX 32 BIT                 | 730032 B1 |
| CHI-SQUARES,      | CONTIN6, COEFF...CROSS TABS,          | 890454 B3 | COMPREHENSIVE         | RAD TEST...                            | 705730 B1 |
| CIOP              | MOD II DIAGNOSTIC...                  | 891074 B3 | COMPRESSED            | SOURCE MERGE PROGRAM...                | 890376 B3 |
| CIRC-AC...        |                                       | 706112 A1 | COMPRESSION           | UTILITY PROGRAM...                     | 706148 B3 |
| CIRC-DC...        |                                       | 705865 A1 | COMPUTER              | CENTER SUBSYSTEM CCS...ON-LINE         | 706436 B3 |
| CIRC-TRANSIENT... |                                       | 706253 A1 | CONCORDANCE           | ...BASIC                               | 706292 B3 |
| CIRCUIT           | ANALYSIS PROGRAM...1620 ELECTRONIC    | 890667 B3 | CONCORDANCE...KENDALL | COEFFICIENT OF                         | 890430 B3 |
| CLASS,            | APL COURSE...APL LEARNING AID -       | 890929 B3 | CONFIRMATION...       | PAYROLL TOTALS                         | 890563 B3 |
| CLASSIFICATION    | ANALYSIS...CROSS                      | 890456 B3 | CONSOLE               | DIAGNOSTIC PROG...SYSTEM CONTROL       | 730029 B1 |
| CLASSIFICATION    | ANALYSIS...MULTIPLE                   | 890474 B3 | CONSOLE               | EXAMINER (FACE)...FREESTANDING         | 704786 B3 |
| CLEBSCH-GORDAN    | SUBROUTINE...                         | 890870 B3 | CONSOLE               | TAPE HANDLER...MOTHER-OPERATOR         | 890703 B3 |
| CLOCK             | TEST...REAL-TIME                      | 704017 B3 | CONTACT               | CLOSURE HANDLER...                     | 706227 B3 |
| CLOSURE           | HANDLER...CONTACT                     | 706227 B3 | CONTINUING            | TOURNAMENTS...SCORE KEEPER FOR         | 890706 B3 |
| CLUSTER           | ANALYSIS : HIERARCHICAL GROUPING..    | 890472 B3 | CONTINUOUS            | SIMULATION...INTERACTIVE               | 890838 B3 |
| CM16)             | MEMORY DIAGNOSTIC (                   | 706295 B1 | CONTIN6,              | COEFF...CROSS TABS, CHI-SQUARES,       | 890454 B3 |
| CN704852          | MODOFORTIV COMP BCD CONVERSION...     | 890321 B3 | CONTROLLER            | DIAGNOSTIC...DATA-SFT                  | 704013 B1 |
| COAST             | CAL/APL...XEROX/                      | 890813 B3 | CONTROLLER            | DIAGNOSTIC...REMOVABLE DISK            | 730034 B1 |
| COBOL             | ADD SEQUENTIAL SUBROUTINE...          | 890604 B3 | CONTROLLER            | DIAGNOSTIC...ROTATING MEMORY           | 730033 B1 |
| COBOL             | COMPILER...XEROX ANS                  | 705888 B1 | CONV,                 | LANGUAGE)...BPM/BTM PCL (PERIPHERAL    | 706206 B2 |
| COBOL             | ENG/DEQ SURROUTINE...                 | 891054 B3 | CONVARIANCE...        | ANNOVA -                               | 890438 B3 |
| COBOL             | KEYED-FILE UTILITY SUBROUTINES...     | 890598 B3 | CONVERSATIONAL        | ALGEBRAIC LANGUAGE...CAL-              | 890711 B3 |
| COBOL             | RELEASE FILES (RELFILES)...           | 890599 B3 | CONVERSION            | (7/9 TRACK) - UTIL...MAG, TAPE         | 704783 B3 |
| COBOL             | RESTART PROGRAM...                    | 890717 B3 | CONVERSION            | AND EDITOR ROUTN=UTIL...MEDIA          | 704784 B3 |
| COBOL             | SUBROUTINE BDPSPRT...                 | 890606 B3 | CONVERSION            | SURR...FORTRAN IV BCD-EBCDIC           | 890324 B3 |



## PROGRAM AVAILABILITY LIST

| KEY | TITLE                                      | CAT.NO | CL | KEY | TITLE                                       | CAT.NO | CL |
|-----|--|--------|----|-----|---|--------|----|
|     | CONVERSION SUBROUTINE...DATE               | 706105 | B3 |     | CPU DIAGNOSTIC SYSTEM (VERIFY)...           | 704042 | B3 |
|     | CONVERSION UTILITY...DMS TO EDMS           | 706524 | B3 |     | CPU EXERCISER...MARTIN-CAGE SIGMA 7         | 704965 | B3 |
|     | CONVERSION...CN704852 MODOFORTIV COMP BCD  | 890321 | B3 |     | CPU HARD CORE PREP (HCP)...                 | 706264 | B1 |
|     | CONVERT INSTRUCTION SIMULATOR (BCM)...     | 704366 | B3 |     | CPU LOADER DOC...FORMAT CONVERTER =         | 704029 | B3 |
|     | CONVERT INSTRUCTION SIMULATOR (S/A)...     | 704152 | B3 |     | CPY AND VER(CARD,PUT,MT)-UTIL...S/A FILE    | 704782 | B3 |
|     | CONVERT 36 BIT WORD TO 64 BIT...C36T64     | 890721 | B3 |     | CREATE QUARTERLY REPORT RECODP...           | 890574 | B3 |
|     | CONVERTER - CPU LOADER DOC...FORMAT        | 704029 | B3 |     | CRFATE/UPDATE...RELIABILITY PREDICTION      | 706454 | B3 |
|     | CONVERTER...IBM-XEROX APL FILE             | 890832 | B3 |     | CRITICAL PATH...INTERACTIVE                 | 890834 | B3 |
|     | CONVERTER...IBM-XEROX APL WORKSPACE        | 890831 | B3 |     | CROSS ASSEMBLER...HP RT EXECUTIVE           | 890982 | B3 |
|     | COPY & VERIFY PROGRAM-UTILITY...PAPER TAPE | 704422 | B3 |     | CROSS CLASSIFICATION ANALYSIS...            | 890456 | B3 |
|     | COPY AND SEQUENCE PROGRAM - UTILITY...     | 704396 | B3 |     | CROSS REFERENCE GENERATOR...BATCH MONITOR   | 890147 | B3 |
|     | COPY AND VERIFY (BPM) UTILITY...MAG TAPE   | 705366 | B3 |     | CROSS REFERENCE PROGRAM...FORTRAN           | 890545 | B3 |
|     | COPY AND VERIFY PROGRAM - UTILITY...CARD   | 704442 | B3 |     | CROSS REFERENCE SYMBOL LISTING PROG....     | 890157 | B3 |
|     | COPY PROCESSOR...CP-R                      | 890993 | B3 |     | CROSS TABS, CHI-SQUARES, CONTING. COEFF...  | 890454 | B3 |
|     | COPY PROCESSOR...MULTIPLE TAPE             | 706128 | B3 |     | CROSS TABULATION...INTERACTIVE              | 890841 | B3 |
|     | COPY PROCESSOR...RPM                       | 890794 | B3 |     | CROSS-LAG INTERCORRELATION...AUTO-R         | 890448 | B3 |
|     | COPY PROGRAM - UTILITY...MAG TAPE/RAD      | 705423 | B3 |     | CRSH - LOAD MODULE CRUSHER...               | 890745 | B3 |
|     | COPY PROGRAM MAG TAPE TO DISK...           | 706443 | B1 |     | CRUSHER...CRSH - LOAD MODULE                | 890745 | B3 |
|     | COPY UTILITY - ATTACK...PRINT/             | 706119 | B3 |     | CSR)...CARD STORE/RETRIEVE (                | 705879 | B3 |
|     | COPY...GRAPHIC DISPLAY TO PLOTTER          | 705852 | B3 |     | CURVE FITTING...INTERACTIVE LEAST SQUARES   | 890865 | B3 |
|     | COPY)...SMUT - (SIGMA 5/6/7 MULTI TAPE     | 705869 | B3 |     | CURVE FITTING...POLYNOMIAL                  | 890835 | B3 |
|     | COPY/VERIFY PROGRAM...CCOPY-PUNCHED CARD   | 890727 | B3 |     | C01...PORT TEST                             | 706271 | B1 |
|     | CORE DUMP - UTILITY...KEYED                | 705751 | B3 |     | C36T64 CONVERT 36 BIT WORD TO 64 BIT...     | 890721 | B3 |
|     | CORE DUMP - UTILITY...ONF CARD             | 705750 | B3 |     | DAC HANDLER...DMS-12                        | 706229 | B3 |
|     | CORE FOR FORTRAN PROGRAMS...XCORE - EXTRA  | 890737 | B3 |     | DARP)...DATA RETRIEVAL PACKAGE (            | 705669 | B3 |
|     | CORE PREP (HCP)...CPU HARD                 | 706264 | B1 |     | DATADef SYSTEMS PROGRAMMING PROCEDURES...   | 705673 | B3 |
|     | CORRELATIONS WITH MISSING DATA...          | 890453 | B3 |     | DATAFORM GENERATOR BY PLOTTER...PHORMER -   | 890534 | B3 |
|     | CORRELATIONS...PARTIAL                     | 890428 | B3 |     | DATE CONVERSION SUBROUTINE...               | 706105 | B3 |
|     | CORRELATIONS: PRODUCT MOMENT...            | 890451 | B3 |     | DATE SUBROUTINE...TIME AND/OR               | 890325 | B3 |
|     | COURSE NAME PROGRAM...RLDCRSE-S-O-P        | 890582 | B3 |     | DATEIME...SUBROUTINE                        | 890661 | B3 |
|     | COURSE...APL LEARNING AID - CLASS, APL     | 890929 | B3 |     | DAYS SUBROUTINE - WORKDAYS...WORKING        | 706104 | B3 |
|     | CP-R COPY PROCESSOR...                     | 890993 | B3 |     | DC...CIRC-                                  | 705865 | A1 |
|     | CP-R ERROR LOG LIST/ANALYSIS (ELLA)...CP-V | 708006 | B1 |     | DCR...PATCH                                 | 890783 | B3 |
|     | CP-R...INTERACTIVE GRAPHICS SYSTEM FOR     | 706505 | B3 |     | DCR'S...DISPLAY SET                         | 890858 | B3 |
|     | CP-R...ON-LINE EXERCISER SYSTEM FOR        | 708001 | B1 |     | DCP)...DIAGNOSTIC CONTROL PROGRAM (         | 704070 | B3 |
|     | CP-R)...CONTROL PROGRAM FOR REAL-TIME (    | 708000 | A1 |     | DEBUG PACKAGF...INTERACTIVF DMS             | 890778 | B3 |
|     | CP-V ANS FORTRAN...                        | 706525 | B1 |     | DEBUG ROUTINE...                            | 705658 | B3 |
|     | CP-V BASIC...                              | 706101 | B1 |     | DEBUG ROUTINE...SIMPLE                      | 890979 | B3 |
|     | CP-V FLAG...BPM/                           | 705819 | B1 |     | DEBUG ROUTINE-ON-LINE...                    | 890311 | B3 |
|     | CP-V...CONTROL PROGRAM FIVE                | 707000 | A1 |     | DEBUG SUBROUTINE...S/A GENERAL              | 704157 | B3 |
|     | CP-V...INTERACTIVE GRAPHICS SYSTEM FOR     | 706503 | B3 |     | DEBUGGER EXERCISER...DEX                    | 891077 | B3 |
|     | CP-V...SORT PERFORMANCE JOB STREAM FOR     | 706495 | B1 |     | DECIMAL INSTRUCTION SIMULATOR (BCM VER.)... | 704364 | B3 |
|     | CP-V/CP-R ERROR LOG LIST/ANALYSIS (ELLA).. | 708006 | B1 |     | DECIMAL INSTRUCTION SIMULATOR (S/A VERS)..  | 704150 | B3 |
|     | CPSA...CANONICAL ANALYSIS -                | 890450 | B3 |     | DECIMAL...EOD ENGLISH CODED                 | 890736 | B3 |
|     | CPU DIAGNOSTIC (AUTO)...                   | 706133 | B1 |     | DECIMAL)...CPU DIAGNOSTIC SYSTEM (          | 704047 | B3 |
|     | CPU DIAGNOSTIC (FLOAT)...                  | 706135 | B1 |     | DECLARE TEMPORARY FILES...                  | 890816 | B3 |
|     | CPU DIAGNOSTIC (SUFFIX)...                 | 706134 | B1 |     | DECM DIAGNOSTIC PROGRAM...                  | 730024 | B1 |
|     | CPU DIAGNOSTIC (SUFFIX)...SIGMA 5          | 704174 | B3 |     | DEDUCTION REGISTER...                       | 890569 | B3 |
|     | CPU DIAGNOSTIC (9DEC)...                   | 706136 | B1 |     | DEDUCTION REGISTER...SPECIAL                | 890571 | B3 |
|     | CPU DIAGNOSTIC - AUTO...                   | 704287 | B3 |     | DELETE RAD FILE PROGRAM...                  | 890588 | B3 |
|     | CPU DIAGNOSTIC SYSTEM (AUTO)...            | 704044 | B3 |     | DELETE STANDARD...                          | 890768 | B3 |
|     | CPU DIAGNOSTIC SYSTEM (DECIMAL)...         | 704047 | B3 |     | DELREC...COBOL SUBROUTINE                   | 890600 | B3 |
|     | CPU DIAGNOSTIC SYSTEM (FLOAT)...           | 704046 | B3 |     | DEMAND PAGED FORTRAN ARRAYS...              | 890881 | B3 |
|     | CPU DIAGNOSTIC SYSTEM (PATTERN)...         | 704043 | B3 |     | DEPARTMENT NUMBRER...INSERT                 | 890572 | B3 |
|     | CPU DIAGNOSTIC SYSTEM (SUFFIX)...          | 704045 | B3 |     | DEQ SUBROUTINE...COBOL ENQ/                 | 891054 | B3 |

PROGRAM AVAILABILITY LIST

| KEY   | TITLE                           | CAT,NO | CL | KEY                                   | TITLE                         | CAT,NO | CL |
|---|---------------------------------|--------|----|---------------------------------------|-------------------------------|--------|----|
| DESIGN ANALYSIS...                          | A*B*C -                         | 890435 | B3 | DIAGNOSTIC PROGRAM...                 | MPC DISK                      | 730038 | B1 |
| DESIGNS...                                  | ANOVA - GENERAL BALANCE         | 890439 | B3 | DIAGNOSTIC PROGRAM...                 | POWER FAIL-SAFE (PFS)         | 730022 | B1 |
| DESK CALC...                                | FOCAL, FORTRAN-CALCULATOR,      | 890312 | B3 | DIAGNOSTIC PROGRAM...                 | SIGMA 5-9 CC32                | 705886 | B3 |
| DETAH/65                                    | PREPROCESSOR...                 | 890702 | B3 | DIAGNOSTIC PROGRAM...                 | TRAP                          | 730021 | B1 |
| DETECTION (AID)...                          | AUTOMATIC INTERACTION           | 890447 | B3 | DIAGNOSTIC PROGRAM...                 | 7907                          | 706469 | B3 |
| DEX DEBUGGER EXERCISER...                   |                                 | 891077 | B3 | DIAGNOSTIC PROGRAM...                 | 7910/14/15 SIU                | 704236 | B3 |
| DFAC...                                     | FACTORIAL FUNCTIONS FAC AND     | 890735 | B3 | DIAGNOSTIC PROGRAM...                 | 7922 SIU                      | 704214 | B3 |
| DIAG. PROG.(SMAP)...                        | SIGMA MAP                       | 730041 | B1 | DIAGNOSTIC PROGRAM...                 | 7923/28/29 SIU                | 705392 | B3 |
| DIAG...                                     | STANFORD DMS10 DIRECT TO MEMORY | 705295 | B3 | DIAGNOSTIC SYSTEM (AUTO)...           | CPU                           | 704044 | B3 |
| DIAG...                                     | XEROX 550/560 RAD6              | 730026 | B1 | DIAGNOSTIC SYSTEM (DECIMAL)...        | CPU                           | 704047 | B3 |
| DIAG-SUPI...                                | SYS UNIT/PROCS INTRFACE UNIT    | 730009 | B1 | DIAGNOSTIC SYSTEM (FLOAT)...          | CPU                           | 704046 | B3 |
| DIAGNOSTIC PROGRAM...                       | 7930/7931/7935 SIU              | 704211 | B3 | DIAGNOSTIC SYSTEM (PATTERN)...        | CPU                           | 704043 | B3 |
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| GENERATOR (RPG)...XEROX REPORT PROGRAM     |       | 706419 | B1 | HANDLER FOR 7969 FREQUENCY CONTROL UNIT... |       | 705860 | B3 |
| GENERATOR (TEXTAR)...BASIC TEXT ARRAY      |       | 706111 | B3 | HANDLER...CONTACT CLOSURE                  |       | 706227 | B3 |
| GENERATOR (TGEN)...TEST FILE               |       | 706247 | B3 | HANDLER...DMS-12 DAC                       |       | 706229 | B3 |
| GENERATOR BY PLOTTER...PHORMER - DATAFORM  |       | 890534 | B3 | HANDLER...GENERALIZED TERMINAL             |       | 706520 | B3 |
| GENERATOR REPORT WRITER...GAMMA 3 MATRIX   |       | 705832 | A1 | HANDLER...MOTHER-OPERATOR CONSOLE TAPE     |       | 890703 | B3 |
| GENERATOR...BATCH MONITOR CROSS REFERENCE  |       | 890147 | B3 | HANDLER...NASA/BALL MODEL XPS-95           |       | 705818 | B3 |
| GENERATOR...RELIABILITY PREDICTION REPORT  |       | 706456 | B3 | HANDLER...PLOTTER                          |       | 890739 | B3 |
| GENERATOR...STAND-ALONE REGISTER SAVE      |       | 704444 | B3 | HANDLER...RBM MOC                          |       | 706113 | B3 |
| GENERATOR...5-9,550/560 CHAR ROM MATRIX    |       | 706517 | B3 | HANDLER...SIU 7923                         |       | 705854 | B3 |
| GETCOM...COBOL SUBROUTINE                  |       | 890601 | B3 | HANDLER...XEROX DISPLAY STATION PROCEDURAL |       | 706263 | B3 |
| GETFILE...                                 |       | 890546 | B3 | HANDLER...7 TRACK MAGNETIC TAPE I/O        |       | 704851 | B3 |
| GETKEY...COBOL SUBROUTINE                  |       | 890602 | B3 | HANDLER...7929 AND 7935 SIU                |       | 706143 | B3 |
| GETPUT...GENERAL I/O PACKAGE -             |       | 890698 | B3 | HANDLERS...CCS-20 DIAGNOSTIC PROGRAM WITH  |       | 705358 | B3 |
| GHOST...BATCH QUEUE CHECKING               |       | 891067 | B3 | HANDLERS...S/A ABS DUMP LOADER WITH I/O    |       | 704155 | B3 |
| GO (LAG) DIAGNOSTIC PROG. SYS...LOAD-AND-  |       | 730013 | B1 | HANDLERS...STAND-ALONE LOADER WITH I/O     |       | 704142 | B3 |
| GORDAN SUBROUTINE...CLEBSCH-               |       | 890870 | B3 | HARD CORE PREP (HCP)...CPU                 |       | 706264 | B1 |
| GORDO TIME SHARED GRAPHICS FACILITY...     |       | 890533 | B3 | HARDCORE (SHC) DIAGNOSTIC...SOFTWARE       |       | 730008 | B1 |
| GORDO) - XPL COMPILER...XPL (              |       | 890799 | B3 | HASP REMOTF JOB ENTRY...                   |       | 890764 | B3 |
| GPDS...GENERAL PURPOSE DISCRETE SIMULATOR- |       | 706130 | A1 | HCP)...CPU HARD CORE PREP (                |       | 706264 | B1 |
| GRADPACK...                                |       | 890966 | B3 | HEAT TRANSFER...THREE DIMENSION TRANSIENT  |       | 890766 | B3 |
| GRAN...                                    |       | 890930 | B3 | HEXDUMP MAG TAPE / RAD FILE...EBCDIC-      |       | 890587 | B3 |
| GRAPH PLOTTER TEST...                      |       | 704050 | B1 | HI-LEVEL ANALOG INPUT DIAGNOSTIC...ARGONNE |       | 705868 | B3 |
| GRAPHER...                                 |       | 890804 | B3 | HIERARCHICAL GROUPING...CLUSTER ANALYSIS ; |       | 890472 | B3 |
| GRAPHIC DISPLAY DIAGNOSTIC...7580          |       | 705387 | B1 | HIERARCHICAL TEXT EDITOR...                |       | 890612 | B3 |
| GRAPHIC DISPLAY LIBRARY (GDL)...           |       | 706129 | B3 | HIERARCHICAL TRANSFORMATION...             |       | 890461 | B3 |
| GRAPHIC DISPLAY TO PLOTTER COPY...         |       | 705852 | B3 | HIGH LEVEL ROUTINES (ADCHIGH)...ADC        |       | 706231 | B3 |
| GRAPHIC VECTOR FILE...                     |       | 890872 | B3 | HIGH SPEED...ANOVA - A*S ANAL. OF VARIANCE |       | 890437 | B3 |
| GRAPHICS FACILITY...GORDO TIME SHARED      |       | 890533 | B3 | HIGH-SPEED RAD IOP TEST...                 |       | 706200 | B1 |
| GRAPHICS SUBROUTINES...                    |       | 890871 | B3 | HISTOGRAM...SCATTERGRAM                    |       | 890433 | B3 |
| GRAPHICS SYSTEM FOR CP-R...INTERACTIVE     |       | 706505 | B3 | HISTORY PROGRAM...AUTOMATED MEDICAL        |       | 890724 | B3 |
| GRAPHICS SYSTEM FOR CP-V...INTERACTIVE     |       | 706503 | B3 | HONEYWELL DATA MANAGEMNT SYS - EXTENDED... |       | 706461 | A1 |
| GREETER...SIGMA 5/7/9-560                  |       | 890917 | B3 | HP RT EXECUTIVE CROSS ASSEMBLER...         |       | 890982 | B3 |
| GROUPING...CLUSTER ANALYSIS ; HIERARCHICAL |       | 890472 | B3 | HYBRID EXECUTIVE LIBRARY...MRB             |       | 705897 | B3 |
| GUIDE (REMG)...REMOF                       |       | 706267 | B1 | HYBRID EXECUTIVE LIBRARY...WESTINGHOUSE    |       | 705670 | B3 |
| GUIDE DIAGNOSTIC MONITOR...                |       | 706131 | B1 | HYPOTHESIS TESTING...FACTOR                |       | 890467 | B3 |
| GYRATION...MOMENTS OF INERTIA & RADIUS OF  |       | 890869 | B3 | IBM-XEROX APL FILE CONVERTER...            |       | 890832 | B3 |
| HANDLER (FORTRAN IV-M)...7910 SIU)         |       | 705891 | B3 | IBM-XEROX APL WORKSPACE CONVERTER...       |       | 890831 | B3 |
| HANDLER (S/A VERS)...UNIMPL. INST. TRAP    |       | 704153 | B3 | ID)...INTERRUPT DIAGNOSTIC (               |       | 704143 | B3 |
| HANDLER (TCSH)...TIME CODE SYSTEM          |       | 706237 | B3 | IDS10/20...SIG 5-9,550/560 CHAR ROM MATRIX |       | 706516 | B3 |
| HANDLER FOR 80MT...STAND-ALONE I/O         |       | 704173 | B3 | ILLEG.PUNCHES & SEQ...EDIT DATA CARDS FOR  |       | 890458 | B3 |
| HANDLER FOR 80NO...STAND-ALONE I/O         |       | 704163 | B3 | INDEXED TEXT SYSTEM...BROWSE - INTFRACTIVE |       | 890877 | B3 |
| HANDLER FOR 80PP...STAND-ALONE I/O         |       | 704171 | B3 | INERTIA & RADIUS OF GYRATION...MOMENTS OF  |       | 890869 | B3 |
| HANDLER FOR 80CP...STAND-ALONE I/O         |       | 704172 | B3 | INFO...SIGMA 6/7/9 560                     |       | 706514 | B3 |
| HANDLER FOR LOLP...STAND-ALONE I/O         |       | 704165 | B3 | INITIALIZATION...STAND-ALONE I/O           |       | 704853 | B3 |
| HANDLER FOR LOMT...STAND-ALONE I/O         |       | 704166 | B3 | INITIALIZER-VOLINIT...STAND-ALONE VOLUME   |       | 706226 | B1 |
| HANDLER FOR LONO...STAND-ALONE I/O         |       | 704164 | B3 | INPUT DIAGNOSTIC...ARGONNE HI-LEVEL ANALOG |       | 705868 | B3 |

| KEY   | TITLE                    | CAT,NO | CL | KEY                             | TITLE                             | CAT,NO | CL |
|---|--------------------------|--------|----|---------------------------------|-----------------------------------|--------|----|
| INPUT DIAGNOSTIC...                         | ARGONNE LO-LEVEL ANALOG  | 705867 | B3 | IOP TEST...                     | HIGH-SPEED RAD                    | 706200 | B1 |
| INPUT FILES...                              | MULTSORT - SORT MULTIPLE | 705881 | B3 | ITEM ANALYSIS...                |                                   | 890473 | B3 |
| INPUT ROUTINE...                            | FREE-FIELD ERCDIC        | 890549 | B3 | IVM...                          | FORTTRAN PRECOMPILER FORT II-FORT | 890708 | B3 |
| INPUT SUBROUTINE...                         | FREE FIELD FORTRAN IV    | 890322 | B3 | JANUS                           | TIMESHARING SYSTEM...             | 890532 | B3 |
| INPUT SUBSYSTEM...                          | PURDUE SPECIAL ANALOG    | 704341 | B3 | JOB ENTRY...                    | HASP REMOTE                       | 890764 | B3 |
| INSERT DEPARTMENT NUMBER...                 |                          | 890572 | B3 | JOB STREAM FOR CP-V...          | SORT PERFORMANCE                  | 706495 | B1 |
| INST. SIM. PCK (S/A VERS)...                | UNIMPLFMENTED            | 704148 | B3 | JT-14 PET UNIT TEST             | PATTERN CARD DECK...              | 704427 | B3 |
| INST. SIM. PCKG. BCM VERS...                | UNIMPLEMENTED            | 704362 | B3 | KEEPER FOR CONTINUING           | TOURNAMENTS...SCORE               | 890706 | B3 |
| INST. SIMULATOR (BCM VER)...                | FLOATING POINT           | 704363 | B3 | KENDALL COEFFICIFNT             | OF CONCORDANCE...                 | 890430 | B3 |
| INST. SIMULATOR (S/A VERS)...               | FLOATING POINT           | 704149 | B3 | KEYBOARD DISPLAY (SKD)          | DIAGNOSTIC...SYSTEM               | 706236 | B3 |
| INST. TRAP HANDLER (S/A VERS)...            | UNIMPL.                  | 704153 | B3 | KEYBOARD DISPLAY                | DIAGNOSTIC...                     | 704004 | B3 |
| INSTRUC. SIMULATOR (BCM VER)...             | BYTE-STRING              | 704365 | B3 | KEYBOARD PRINTER TEST           | (ASR/KSR)...                      | 705651 | B1 |
| INSTRUCTION DIAGNOSTIC - AUTO...            |                          | 730000 | B1 | KEYED CORE DUMP - UTILITY...    |                                   | 705751 | B3 |
| INSTRUCTION DIAGNOSTIC - FADS...            |                          | 730002 | B1 | KEYED DISK UTILITY...           | ANS TAPE TO                       | 891052 | B3 |
| INSTRUCTION DIAGNOSTIC - SUFFIX...          |                          | 730001 | B1 | KEYED FILE I/O ROUTINES...      | FORTTRAN IV                       | 890323 | B3 |
| INSTRUCTION DIAGNOSTIC PROGRAM...           | BYTE                     | 730023 | B1 | KEYED-FILE UTILITY              | SUBROUTINES...COBOL               | 890598 | B3 |
| INSTRUCTION SIMULATOR (BCM VER)...          | DFCIMAL                  | 704364 | B3 | KEYED/RANDOM FILES              | FOR FORTRAN IV...                 | 890757 | B3 |
| INSTRUCTION SIMULATOR (BCM)...              | CONVERT                  | 704366 | B3 | KEYSTART...                     | COBOL SUBROUTINE                  | 890603 | B3 |
| INSTRUCTION SIMULATOR (S/A VERS)...         | DECIMAL                  | 704150 | B3 | KSR)...                         | KEYBOARD PRINTER TEST (ASR/       | 705651 | B1 |
| INSTRUCTION SIMULATOR (S/A)...              | BYTE-STRING              | 704151 | B3 | KWIC...                         | PAL-                              | 706126 | B3 |
| INSTRUCTION SIMULATOR (S/A)...              | CONVERT                  | 704152 | B3 | LAB. ROUTINE FOR CALCOMP        | PLOTTER...SYMBOL                  | 890388 | B3 |
| INTEGER BOOLEAN FUNCTIONS                   | FOR SIGMA 7...           | 890327 | B3 | LABEL)...                       | CALCOMP PLOTTER LABELLING SUBR (  | 704061 | B3 |
| INTEGRAL IOP CHANNEL TEST PROGRAM...        |                          | 704018 | B3 | LAELED SOFTWARE                 | SUPPORT TAPE (SST)...             | 880832 | B2 |
| INTERACTION DETECTION (AID)...              | AUTOMATIC                | 890447 | B3 | LAELED TAPE...                  | PRINT                             | 705878 | B1 |
| INTERACTIVE ANALYSIS OF VARIANCE...         |                          | 890839 | B3 | LARELLING SUBR (LABEL)...       | CALCOMP PLOTTER                   | 704061 | B3 |
| INTERACTIVE CONTINUOUS SIMULATION...        |                          | 890838 | B3 | LAG INTERCORRELATION...         | AUTO-8 CROSS-                     | 890448 | B3 |
| INTERACTIVE CRITICAL PATH...                |                          | 890834 | B3 | LAG) DIAGNOSTIC PROG. SYS...    | LOAD-AND-GO (                     | 730013 | B1 |
| INTERACTIVE CROSS TABULATION...             |                          | 890841 | B3 | LATHE POSTPROCESSOR...          | APT3 (LEVEL 3)                    | 891000 | B3 |
| INTERACTIVE DMS DEBUG PACKAGE...            |                          | 890778 | B3 | LEARNING AID - CLASS, APL       | COURSE...APL                      | 890929 | B3 |
| INTERACTIVE GRAPHICS SYSTEM FOR CP-R...     |                          | 706505 | B3 | LEAST SQUARES CURVE             | FITTING...INTERACTIVE             | 890865 | B3 |
| INTERACTIVE GRAPHICS SYSTEM FOR CP-V...     |                          | 706503 | B3 | LEAST SQUARES...                | AXB                               | 890434 | B3 |
| INTERACTIVE INDEXED TEXT SYSTEM...          | BROWSE -                 | 890877 | B3 | LEDGER MONTHLY STATEMENT        | (DP0316...GENERAL                 | 890596 | B3 |
| INTERACTIVE LEAST SQUARES CURVE FITTING...  |                          | 890865 | B3 | LEDGER PROOF...                 | GENERAL                           | 890595 | B3 |
| INTERACTIVE MULTIPLE LINEAR REGRESSION...   |                          | 890836 | B3 | LEDGER SYSTEM (COVER)...        | GENERAL                           | 890591 | B3 |
| INTERACTIVE MULTIPLE REGRESSION ANALYSIS... |                          | 890866 | B3 | LEDGER TOTALS (DP0311)...       | GENERAL                           | 890594 | B3 |
| INTERACTIVE PLOTTING PROGRAM...             |                          | 890840 | B3 | LEDGER TRIAL BALANCE            | DP0215...DISTRIBUTION             | 890592 | B3 |
| INTERACTIVE SNOBOL4...                      |                          | 890673 | B3 | LEVEL ANALOG INPUT              | DIAGNOSTIC...ARGONNE HI           | 705868 | B3 |
| INTERACTIVE STEPWISE REGRESSION PROGRAM...  |                          | 890867 | B3 | LEVEL ANALOG INPUT              | DIAGNOSTIC...ARGONNE LO           | 705867 | B3 |
| INTERACTIVE TRANSGENERATION...              |                          | 890868 | B3 | LEVEL ROUTINES (ADCHIGH)...     | ADC HIGH                          | 706231 | B3 |
| INTERCORRELATION...AUTO-8 CROSS-LAG         |                          | 890448 | B3 | LEVEL ROUTINES (ADCLOW)...      | ADC LOW                           | 706232 | B3 |
| INTERFACE ROUTINES...SPECIAL FORT-SYMBOL    |                          | 705896 | B3 | LEVEL 3) LATHE POSTPROCESSOR... | APT3 (                            | 891000 | B3 |
| INTERFACE SUBROUTINES...COBOL TELETYPE      |                          | 890746 | B3 | LEVEL 3)...                     | APT3 (                            | 890749 | B3 |
| INTERFACE UNIT TEST DIAGNOSTIC...CHANNEL    |                          | 705279 | B1 | LIR. (RBM)...                   | EXTENDED FORTRAN IV/IV-H          | 705738 | B2 |
| INTERFACE...SORT                            |                          | 890730 | B3 | LIRUPDAT FORTRAN IV             | LIBRARY UPDATE...                 | 890665 | B3 |
| INTERLEAVING TEST...MEMORY                  |                          | 704121 | B3 | LINDQUIST TYPE EXT. ANAL. OF    | VARIANCE...                       | 890445 | B3 |
| INTERPRETER SYSTEM...MIX ASSEMBLER/         |                          | 890715 | B3 | LINDQUIST TYPE I ANAL. OF       | VARIANCE...ANOVA                  | 890441 | B3 |
| INTERPRETER...SCU                           |                          | 706437 | B3 | LINDQUIST TYPE III EXTENDED...  | ANOVA -                           | 890443 | B3 |
| INTERRUPT DIAGNOSTIC (ID)...                |                          | 704143 | B3 | LINDQUIST TYPE III...ANOVA -    |                                   | 890442 | B3 |
| INTERRUPT SYSTEM DIAGNOSTIC PROGRAM...      |                          | 730006 | B1 | LINDQUIST TYPE IV ANALYSIS      | OF VARIANCE...                    | 890444 | B3 |
| INTERRUPT/TRAP DIAGNOSTIC...                |                          | 706137 | B1 | LINEAR EQUATIONS...             | SIMULTANEOUS                      | 890478 | B3 |
| INTRFACE UNIT DIAG-SUPI...SYS UNIT/PROCS    |                          | 730009 | B1 | LINEAR PROGRAMMING              | CODE...SIGMA 5/7 MFOR             | 890146 | B3 |
| IOP CHANNEL TEST PROGRAM...INTFGRAL         |                          | 704018 | B3 | LINEAR REGRESSTON...            | INTERACTIVE MULTIPLE              | 890836 | B3 |
| IOP DIAGNOSTIC (MIOP)...MULTIPLX            |                          | 704057 | B3 | LINKING LOADER...SCU            |                                   | 706489 | B3 |
| IOP TEST PROGRAM...SELECTOR                 |                          | 704788 | B3 | LISP 1.5-LANGUAGF               | FOR LIST PROCESSING...            | 890366 | B3 |
| IOP TEST...                                 |                          | 706139 | B1 | LIST PROCESSING...              | LISP 1.5-LANGUAGE FOR             | 890366 | B3 |

## PROGRAM AVAILABILITY LIST

| KEY  | TITLE | CAT,NO CL | KEY  | TITLE | CAT,NO CL |
|--|-------|-----------|--|-------|-----------|
| LIST PROCESSOR (OVER 32K)...SYMMETRIC      |       | 890145 B3 | MAGNETIC TAPE I/O HANDLER...7 TRACK        |       | 704851 B3 |
| LIST PROCESSOR (32K)...SYMMETRIC           |       | 890144 B3 | MAGNETIC TAPE LIBRARY LOADER...            |       | 706410 B1 |
| LIST PROGRAM - UTILITY...DUMP/             |       | 705426 B3 | MAGNETIC TAPE LIBRARY...DIAGNOSTIC PROGRAM |       | 705692 B1 |
| LIST PROGRAM - UTILITY...TAPE              |       | 704398 B3 | MAGNETIC TAPE LIBRARY...DIAGNOSTIC PROGRAM |       | 730025 B1 |
| LIST/ANALYSIS (ELLA)...CP-V/CP-R ERROR LOG |       | 708006 B1 | MAGNETIC TAPE TEST 32 BIT...NINE-TRACK     |       | 730035 B1 |
| LISTER USING SIG 5/7 (STAND-ALONE)...CARD  |       | 890554 B3 | MAGNETIC TAPE TEST...7 CHANNEL             |       | 705735 B1 |
| LISTER...BATCH STREAM CARD                 |       | 890714 B3 | MAGNETIC TAPE TEST...9 CHANNEL             |       | 705542 B1 |
| LISTER...RBM ERROR LOG                     |       | 706467 B3 | MAGNETIC TAPES...BASIC SOFTWARE            |       | 704357 B3 |
| LISTER...1200                              |       | 890953 B3 | MAINTENANCE SURCONTROLLER SELF-TEST...     |       | 705723 B3 |
| LISTING (DPO512)...OUTSTANDING CHECK       |       | 890597 B3 | MAINTENANCE SURCONTROLLER...MIOP WITH      |       | 705721 B3 |
| LISTING MAG TAPE...UTILITY SOURCE-         |       | 704397 B3 | MANAGE AND TERMINAL ORIENTED MANAGE...     |       | 705783 A1 |
| LISTING PROG...CROSS REFERENCE SYMBOL      |       | 890157 B3 | MANAGE PROCESSOR-TFM...TAPE FILE           |       | 706122 B3 |
| LO-LEVEL ANALOG INPUT DIAGNOSTIC...ARGONNE |       | 705867 B3 | MANAGE...MANAGE AND TERMINAL ORIENTED      |       | 705783 A1 |
| LOAD MODULE CRUSHER...CRSH -               |       | 890745 B3 | MANAGEMENT SYSTEM (BPM)...DMS - DATA       |       | 705900 A1 |
| LOAD ONE PASS AND EXECUTE (LOPE) BPM...    |       | 705260 B2 | MANAGEMENT SYSTEM (SPMS)...SIGMA PROJECT   |       | 890718 B3 |
| LOAD-AND-GO (LAG) DIAGNOSTIC PROG, SYS.... |       | 730013 B1 | MANAGEMENT SYS - EXTENDED...HONEYWELL DATA |       | 704641 A1 |
| LOADER DOC...FORMAT CONVERTER - CPU        |       | 704029 B3 | MANIPULATION OR TEST...PARTIAL WORD        |       | 890662 B3 |
| LOADER WITH I/O HANDLERS...S/A ABS DUMP    |       | 704155 B3 | MANIPULATION ROUTINES--FORTRAN...CHARACTER |       | 890657 B3 |
| LOADER WITH I/O HANDLERS...STAND-ALONE     |       | 704142 B3 | MANIPULATOR...BATCH QUEUE                  |       | 891065 B3 |
| LOADER...ABSOLUTE ROOTSTRAP                |       | 704145 B3 | MANIPULATOR...DITTO - SIGMA UTILITY FILE   |       | 890617 B3 |
| LOADER...BASIC BCM ABS DUMP                |       | 704146 B3 | MANN-WHITNEY U-TEST...                     |       | 890431 B3 |
| LOADER...MAGNETIC TAPE LIBRARY             |       | 706410 B1 | MAP AND WRITE LOCK-DIAGNOSTIC PROGRAM...   |       | 706138 B1 |
| LOADER...RBM OVERLAY                       |       | 705733 B2 | MAP DIAG. PROG.(SMAP)...SIGMA              |       | 730041 B1 |
| LOADER...RELOCATABLE DIAGNOSTIC PROGRAM    |       | 704356 B3 | MAP DIAGNOSTIC PROGRAM...                  |       | 730004 B1 |
| LOADER...SCU LINKING                       |       | 706489 B3 | MAP PROCESSOR WITH SHELL SORT...           |       | 890752 B3 |
| LOADER...STAND-ALONE SYSTEM                |       | 704162 B3 | MARTIN-CAGE SIGMA 7 CPU EXERCISER...       |       | 704965 B3 |
| LOADER...XEROX 32-BIT LIBRARY              |       | 730011 B1 | MATHEMATICAL PROG SYS (FMPS)...FUNCTIONAL  |       | 705831 A1 |
| LOCAL TAX...PAYROLL QUARTERLY PROOF AND    |       | 890575 B3 | MATRIX GENERATOR...5-9,550/560 CHAR ROM    |       | 706517 B3 |
| LOCATOR...MEMORY DIAGNOSTIC-FAULT          |       | 705736 B3 | MATRIX IDS10/20...SIG 5-9,550/560 CHAR ROM |       | 706516 B3 |
| LOCK-DIAGNOSTIC PROGRAM...MAP AND WRITE    |       | 706138 B1 | MATRIX-GENERATOR REPORT WRITER...GAMMA 3   |       | 705832 A1 |
| LOCKHEED ACQUISITION PACKAGE...            |       | 706518 B3 | MAXPLANE...                                |       | 890432 B3 |
| LOG LIST/ANALYSIS (ELLA)...CP-V/CP-R ERROR |       | 708006 B1 | MBB HYBRID EXECUTIVE LIBRARY...            |       | 705897 B3 |
| LOG LISTER...RBM ERROR                     |       | 706467 B3 | MDC MODIFIED 7580...DIAGNOSTIC FOR         |       | 705774 B3 |
| LOLP...STAND-ALONE I/O HANDLER FOR         |       | 704165 B3 | MEASUREMENT PROC...GFM-1 GENERALIZED EVENT |       | 705531 B3 |
| LOMT...STAND-ALONE I/O HANDLER FOR         |       | 704166 B3 | MEDIA CONVERSION AND EDITOR ROUTN-UTIL...  |       | 704784 B3 |
| LONO...STAND-ALONE I/O HANDLER FOR         |       | 704164 B3 | MEDIC 75)...MEMORY DIAGNOSTIC (            |       | 704067 B3 |
| (LOPE) BPM...LOAD ONE PASS AND EXECUTE (   |       | 705260 B2 | MEDICAL HISTORY PROGRAM...AUTOMATED        |       | 890724 B3 |
| LOTY...STAND-ALONE I/O HANDLER FOR         |       | 704167 B3 | MEDIUM SPEED MAGNETIC TAPE DIAGNOSTIC...   |       | 730016 H1 |
| LOW LEVEL ROUTINES (ADCLW)...ADC           |       | 706232 B3 | MEMORY CONTROLLER DIAGNOSTIC...ROTATING    |       | 730033 B1 |
| LP TFST...XEROX 32 BIT COMPREHENSIVE       |       | 730032 B1 | MEMORY DIAG...STANFORD DMS10 DIRECT TO     |       | 705295 B3 |
| LTV...PAM-PDM + ADC ACCEPTANCE TFSTS FOR   |       | 705367 B3 | MEMORY DIAGNOSTIC (CM16)...                |       | 706295 B1 |
| MACE1...                                   |       | 705785 B3 | MEMORY DIAGNOSTIC (MEDIC 75)...            |       | 704067 B3 |
| MACRO-SYMBOL ASSEMBLER...RBM               |       | 705781 B3 | MEMORY DIAGNOSTIC (MOSM)...MOS             |       | 730039 B1 |
| MAG TAPE / RAD FILF...EBCDIC-MFXDUMP       |       | 890587 B3 | MEMORY DIAGNOSTIC - COMET...               |       | 706140 B1 |
| MAG TAPE COPY AND VERIFY (BPM) UTILITY...  |       | 705366 B3 | MEMORY DIAGNOSTIC PROGRAM...               |       | 730003 B1 |
| MAG TAPE LIBRARY...DIAGNOSTIC PROGRAM      |       | 706144 B1 | MEMORY DIAGNOSTIC-FAULT LOCATOR...         |       | 705736 B3 |
| MAG TAPE OR DISC DUMP-UTIL...STAND-ALONE   |       | 704780 B3 | MEMORY DUMP SURROUTINE - UTILITY...        |       | 704778 B3 |
| MAG TAPE PACK...FORTIV-SCATTER READ/WRITE  |       | 890589 B3 | MEMORY INTERLEAVING TEST...                |       | 704121 B3 |
| MAG TAPE TO DISK...COPY PROGRAM            |       | 706443 B1 | MEMORY PRINT...SNEAK-ON                    |       | 705775 B3 |
| MAG TAPE...UTILITY SOURCE-LISTING          |       | 704397 B3 | MEMORY PROCESSOR...XEROX 550/560 ROTATING  |       | 730028 B1 |
| MAG TAPE/RAD COPY PROGRAM - UTILITY...     |       | 705423 B3 | MEMORY PROTECT DIAGNOSTIC...               |       | 704062 B3 |
| MAG. TAPE CONVERSION (7/9 TRACK) - UTIL... |       | 704783 B3 | MEMORY SYSTEM DIAGNOSTIC...DIRECT TO       |       | 705303 B1 |
| MAG. TAPE LIBRARY CONTROL PROGRAM...       |       | 705691 B1 | MEMORY TEST PROGRAM - RMC...ROTATING       |       | 706249 B1 |
| MAGNETIC TAPE DIAGNOSTIC...MEDIUM SPEED    |       | 730016 B1 | MERGE & SORT...TOMAS-TERMINAL ORIENTED     |       | 890786 B3 |
| MAGNETIC TAPE EDITOR - UTILITY...          |       | 704375 B3 | MERGE FOR BPM/RTM...SORT/                  |       | 704985 H2 |

## PROGRAM AVAILABILITY LIST

| KEY  | TITLE                 | CAT,NO | CL | KEY  | TITLE | CAT,NO | CL |
|--|-----------------------|--------|----|--|-------|--------|----|
| MERGE PROGRAM...                           | COMPRESSED SOURCE     | 890326 | B3 | MULTIPLE CLASSIFICATION ANALYSIS...        |       | 890474 | B3 |
| MERGE...                                   |                       | 890936 | B3 | MULTIPLE DISCRIMINANT ANALYSIS...          |       | 890475 | B3 |
| MERGE...                                   | XEROX SORT AND        | 706102 | B1 | MULTIPLE INPUT FILFS...MULTSORT = SORT     |       | 705881 | B3 |
| MESSAGE PROCESSOR...                       | CONTROL               | 704124 | B3 | MULTIPLE LINEAR REGRESSION...INTERFACTIVE  |       | 890836 | B3 |
| MESSAGE SAVER...                           | BTM                   | 705773 | B3 | MULTIPLE REGRESSION ANALYSIS...            |       | 890476 | B3 |
| MESSAGE SWITCH SYS...                      | COC HANDLER FOR XEROX | 705726 | B3 | MULTIPLE REGRESSION ANALYSIS...INTERACTIVE |       | 890866 | B3 |
| MESSAGE WRITER FOR PRINTER OR TYPEWRITER.. |                       | 890383 | B3 | MULTIPLE REGRESSION ANALYSIS, STEPWISE...  |       | 890477 | B3 |
| META-SYMBOL ASSEMBLER (COVER)...           |                       | 704428 | B1 | MULTIPLE TAPE COPY PROCESSOR...            |       | 706128 | B3 |
| META-SYMBOL PROCEDURE DECK FOR SCU...      |                       | 706450 | B3 | MULTIPLEX IOP DIAGNOSTIC (MIOP)...         |       | 704057 | B3 |
| METAFUMBLE...                              |                       | 706242 | B3 | MULTISTYLUS DIAGNOSTIC...VARIAN            |       | 706438 | B3 |
| METAKNIC...                                |                       | 706127 | B3 | MULTSORT = SORT MULTIPLE INPUT FILES...    |       | 705881 | B3 |
| METAMEDIA)...                              | FILE EDITOR (         | 890531 | B3 | MUNSELL COLOR TRANSLATOR...TRISTIMULUS TO  |       | 890878 | B3 |
| METASYMBOL SOURCE PROGRAM COMPARER...      |                       | 890876 | B3 | MUSIC...                                   |       | 891063 | B3 |
| METASYMBOL...RBM                           |                       | 890812 | B3 | NAME PROGRAM...RLDNAMF = S-O-P STUDENT     |       | 890583 | B3 |
| MFOR LINEAR PROGRAMMING CODE...SIGMA 5/7   |                       | 890146 | B3 | NAME PROGRAM...BLDCRSE-S-O-P COURSE        |       | 890582 | B3 |
| MGMT PROBLEM SOLVING WORKSPACES...APL      |                       | 891068 | B3 | NASA/BALL MODEL XPS-95 DEMO PROGRAM...     |       | 705843 | B3 |
| MIOP DIAGNOSTIC PROGRAM...                 |                       | 730005 | B1 | NASA/BALL MODEL XPS-95 HANDLER...          |       | 705818 | B3 |
| MIOP TEST PROGRAM...4 RYTE                 |                       | 705292 | B3 | NEW SYSTEM EXERCISER (SEX)...              |       | 705889 | B1 |
| MIOP WITH MAINTENANCE SUBCONTROLLER...     |                       | 705721 | B3 | NINE-TRACK MAGNETIC TAPE TEST 32 BIT...    |       | 730035 | B1 |
| MIOP)...MULTIPLEX IOP DIAGNOSTIC (         |                       | 704057 | B3 | NONLABELING...BTM PLOTTING PACKAGE         |       | 890707 | B3 |
| MISSING DATA...CORRELATIONS WITH           |                       | 890453 | B3 | NS LINE PRINTER DIAGNOSTIC...              |       | 706473 | B1 |
| MIX ASSEMBLER/INTERPRETER SYSTFM...        |                       | 890715 | B3 | NUMBER...INSERT DEPARTMENT                 |       | 890572 | B3 |
| MOC HANDLER...RBM                          |                       | 706113 | B3 | NUMERICAL CONTROL PROGRAM...ADAPT =        |       | 890747 | B3 |
| MOC'D'S...RBM/BPM HANDLER FOR              |                       | 706259 | B3 | NUMERICAL SUBROUTINE PACKAGE (COVER)...XDS |       | 890000 | B3 |
| MODEL XPS-95 DEMO PROGRAM...NASA/BALL      |                       | 705843 | B3 | OBJECT LANGUAGE EATER...SOLE: SIGMA        |       | 890940 | B3 |
| MODEL XPS-95 HANDLER...NASA/BALL           |                       | 705818 | B3 | OCF DIAGNOSTIC CONTROL PROG...STAND-ALONE  |       | 706472 | B3 |
| MODIFIED 7580...DIAGNOSTIC FOR MDC         |                       | 705774 | B3 | ONLINE MONITOR...32 BIT                    |       | 706497 | B1 |
| MODULE CRUSHER...CRSH = LOAD               |                       | 890745 | B3 | ONLINE PREREGISTRATION PRG...SOP-STUDENT   |       | 890581 | B3 |
| MODOFORTIV COMP BCD CONVERSION...CN704852  |                       | 890321 | B3 | OPERATING SYSTEM...BCM                     |       | 704144 | B3 |
| MOMENT / 200-300 VARIABLES...PRODUCT       |                       | 890452 | B3 | OPERATING SYSTEM...BPM/BTM                 |       | 705000 | H2 |
| MOMENT...CORRELATIONS: PRODUCT             |                       | 890451 | B3 | OPERATOR CONSOLE TAPE HANDLER...MOTHER-    |       | 890703 | B3 |
| MOMENTS OF INERTIA & RADIUS OF GYRATION... |                       | 890869 | B3 | OPTICAL CHARACTER PRINTER TEST PROGRAM...  |       | 706411 | B3 |
| MONDUMP (COVER)...                         |                       | 706150 | B2 | ORIENTED COMMUNICATION TEST...CHARACTER    |       | 704016 | B1 |
| MONITOR (DPM)...DIAGNOSTIC PROGRAM         |                       | 705682 | B1 | ORIENTED LANGUAGE...SOL-SIMULATION-        |       | 890363 | B3 |
| MONITOR (RBM)...REAL-TIME BATCH            |                       | 705732 | B2 | ORIENTED MANAGE...MANAGE AND TERMINAL      |       | 705783 | A1 |
| MONITOR CALI'S...CALLS FOR FORTRAN USERS-  |                       | 890660 | B3 | ORIENTED MERGE & SORT...TOMAS-TERMINAL     |       | 890786 | B3 |
| MONITOR CROSS REFERENCE GENERATOR...BATCH  |                       | 890147 | B3 | OSCILLATOR (VCO)...HANDLER FOR TUNABLE     |       | 706228 | B3 |
| MONITOR FOR BCM...                         |                       | 704133 | B3 | OSD PCM TEST...                            |       | 706204 | B3 |
| MONITOR...DIAGNOSTIC PROGRAM SYSTEM        |                       | 730012 | B1 | OUT AID AND READINESS TEST (CART)...CHECK  |       | 705668 | B3 |
| MONITOR...GUIDE DIAGNOSTIC                 |                       | 706131 | B1 | OUT AID READINESS...CART-3 CHECK-          |       | 706205 | B3 |
| MONITOR...32 BIT ONLINE                    |                       | 706497 | B1 | OUT...RAD FILES IN/                        |       | 890614 | B3 |
| MONITOR--1 (RBM-1)...REAL-TIME BATCH       |                       | 705280 | B3 | OUTSTANDING CHECK LISTING (DP0512)...      |       | 890597 | B3 |
| MONTHLY BUDGET STATEMENTS (DP0222)...      |                       | 890593 | B3 | OVER 32K)...SYMMETRIC LIST PROCESSOR (     |       | 890145 | B3 |
| MONTHLY STATEMENT (DP0316...GENERAL LEDGER |                       | 890596 | B3 | OVERLAPPED I/O PACKAGE...BLOCKED AND       |       | 890967 | B3 |
| MOS MEMORY DIAGNOSTIC (MOSM)...            |                       | 730039 | B1 | OVERLAY LOADER...RBM                       |       | 705733 | B2 |
| MOSM)...MOS MEMORY DIAGNOSTIC (            |                       | 730039 | B1 | PACK...FORTIV-SCATTER READ/WRITE MAG TAPE  |       | 890589 | B3 |
| MOTHER-OPERATOR CONSOLE TAPE HANDLER...    |                       | 890703 | B3 | PACKS...AUTO VOL RECOGNITION FOR PRIVATE   |       | 891069 | B3 |
| MOTION - TIME CONTROL DIAGNOSTIC...TAPE    |                       | 706440 | B3 | PAGE BURSTER...                            |       | 890797 | B3 |
| MPC DISK DIAGNOSTIC PROGRAM...             |                       | 730038 | B1 | PAGED FORTRAN ARRAYS...DEMAND              |       | 890881 | B3 |
| MPC TAPE DIAGNOSTIC...                     |                       | 730040 | B1 | PAK...UTS FORM DATA ENTRY PACKAGE = FURM   |       | 890820 | B3 |
| MS)...SIOP DIAGNOSTIC (                    |                       | 705722 | B3 | PAL-KWIC...                                |       | 706126 | B3 |
| MSP...                                     |                       | 890933 | B3 | PAM-PDM + ADC ACCEPTANCE TESTS FOR LTV...  |       | 705367 | B3 |
| MT)-UTIL...S/A FILE CPY AND VER(CARD,PUT,  |                       | 704782 | B3 | PANAVIA CART...                            |       | 706441 | B3 |
| MULTI TAPE COPY)...SMUT = (SIGMA 5/6/7     |                       | 705869 | B3 | PANAVIA DIAGNOSTIC UTILITY...              |       | 706439 | B3 |
| MULTI-PROCESSOR EXERCISER...               |                       | 705390 | B3 | PANAVIA TMS09A DIAGNOSTIC...               |       | 706442 | B3 |



PROGRAM AVAILABILITY LIST

| KEY  | TITLE | CAT,NO CL | KEY  | TITLE | CAT,NO CL |
|--|-------|-----------|--|-------|-----------|
| PAPER TAPE COPY & VERIFY PROGRAM-UTILITY.. |       | 704422 B3 | PLOTTING PACKAGE NONLABELING...BTM         |       | 890707 B1 |
| PAPER TAPE READ PROGRAM - TRANSLT...       |       | 890833 B3 | PLOTTING PACKAGE...CALCOMP                 |       | 890738 B1 |
| PAPER TAPE READER/PUNCH TEST...            |       | 704069 B1 | PLOTTING PACKAGE...7530/7531               |       | 705657 B1 |
| PAPER TAPE UTILITY...GENERATE              |       | 706499 B3 | PLOTTING PROGRAM...INTERACTIVE             |       | 890840 B1 |
| PAPERCHG...COBOL SUBROUTINE                |       | 890605 B3 | PLOTTING SUBROUTINE (PLOT)...CALCOMP       |       | 704060 B3 |
| PARAMETER GENERATION ROUTINE...SIGMA 5-9   |       | 706507 B3 | POLICY GAME...BUSINESS                     |       | 890558 B1 |
| PARTIAL CORRELATIONS...                    |       | 890428 B3 | POLYNOMIAL CURVE FITTING...                |       | 890835 B3 |
| PARTIAL WORD MANIPULATION OR TEST...       |       | 890662 B3 | PORT TEST C01...                           |       | 706271 B1 |
| PASS AND EXECUTE (LOPE) BPM...LOAD ONE     |       | 705260 B2 | POSITION TAPE PROGRAM (POST)...            |       | 705425 B3 |
| PATCH DCB...                               |       | 890783 B3 | POSITION TAPE PROGRAM FOR 7T/9T...         |       | 890728 B3 |
| PATH...INTERACTIVE CRITICAL                |       | 890834 B3 | POST)...POSITION TAPE PROGRAM (            |       | 705425 B3 |
| PATTERN CARD DECK...JT-14 PET UNIT TEST    |       | 704427 B3 | POSTPROFESSOR...APT3 (LEVEL 3) LATHE       |       | 891000 B3 |
| PATTERN)...CPU DIAGNOSTIC SYSTEM (         |       | 704043 B3 | POTTER LINE PRINTER TEST PROG....192 CHAR  |       | 705428 B3 |
| PAYROLL CHECKS...                          |       | 890566 B3 | POWER FAIL SAFE DIAGNOSTIC...              |       | 706142 B1 |
| PAYROLL DISTRIBUTION...                    |       | 890568 B3 | POWER FAIL SAFE TEST...                    |       | 704122 B3 |
| PAYROLL ERROR CHECK...                     |       | 890565 B3 | POWER FAIL-SAFE (PFS) DIAGNOSTIC PROGRAM.. |       | 730022 B1 |
| PAYROLL PROOF TEST...                      |       | 890577 B3 | PRECOMPILER FORT II-FORT IVH...FORTRAN     |       | 890708 B3 |
| PAYROLL QUARTERLY PROOF AND LOCAL TAX...   |       | 890575 B3 | PREDICTION CALCULATION...RELIABILITY       |       | 706455 B3 |
| PAYROLL REGISTER...GENERAL                 |       | 890564 B3 | PREDICTION CREATE/UPDATE...RELIABILITY     |       | 706454 B3 |
| PAYROLL SYSTEM...                          |       | 890562 B3 | PREDICTION REPORT GENERATOR...RELIABILITY  |       | 706456 B3 |
| PAYROLL TIME REPORTS...GENERATE            |       | 890573 B3 | PREP (HCP)...CPU HARD CORE                 |       | 706264 B1 |
| PAYROLL TOTALS CONFIRMATION...             |       | 890563 B3 | PREPROCESSOR...DETAB/65                    |       | 890702 B3 |
| PAYROLL 5 CARDS...EXTRACT                  |       | 890570 B3 | PREREGISTRATION PROG....SOP-STUDENT ONLINE |       | 890581 B3 |
| PBX11 TELEMETRY SYSTEM...                  |       | 706125 B3 | PRINCIPLE COMPONENTS)...FACTOR ANALYSIS (  |       | 890460 B3 |
| PCK (S/A VERS)...UNIMPLEMENTED INST. SIM.  |       | 704148 B3 | PRINT DUMP...                              |       | 705757 B3 |
| PCKG. BCM VERS....UNIMPLEMENTED INST. SIM. |       | 704362 B3 | PRINT FORMS PROCESSOR...                   |       | 890815 B3 |
| PCL (PERIPHERAL CONV. LANGUAGE)...BPM/BTM  |       | 706206 B2 | PRINT LARELED TAPE...                      |       | 705878 B1 |
| PCM DATA ACQUISITION PROGRAM...            |       | 705656 B3 | PRINT UTILITY...FLASH - TAPE TO            |       | 890938 B3 |
| PCM TELEMETRY COMPILER...SSS-SAS           |       | 705655 B3 | PRINT...SNEAK-ON MEMORY                    |       | 705775 B3 |
| PCM TEST...OSO                             |       | 706204 B3 | PRINT/COPY UTILITY - ATTACK...             |       | 706119 B3 |
| PCM TEST...RADIATION                       |       | 706203 B3 | PRINTER DIAGNOSTIC PROGRAM...LINE          |       | 730017 B1 |
| PDM + ADC ACCEPTANCE TESTS FOR LTV...PAM-  |       | 705367 B3 | PRINTER DIAGNOSTIC...NS LINE               |       | 890713 B1 |
| PERFORMANCE JOB STREAM FOR CP-V...SORT     |       | 706495 B1 | PRINTER DIAGNOSTIC...2230/2470 LINE        |       | 706471 B3 |
| PERIPHERAL CONV. LANGUAGE)...BPM/BTM PCL ( |       | 706206 B2 | PRINTER OR TYPEWRITER...MESSAGE WRITER FOR |       | 890383 B3 |
| PERIPHERAL SWITCHING EQUIP. DIAGNOSTIC...  |       | 704314 B1 | PRINTER PLOT SUBROUTINE...                 |       | 890713 B3 |
| PERSPECTIVE PLOT...                        |       | 890590 B3 | PRINTER PLOT SUBROUTINE...LINE             |       | 705380 B3 |
| PET UNIT TEST PATTERN CARD DECK...JT-14    |       | 704427 B3 | PRINTER TEST (ASR/KSR)...KEYBOARD          |       | 705651 B1 |
| PFS) DIAGNOSTIC PROGRAM...POWER FAIL-SAFE  |       | 730022 B1 | PRINTER TEST PROG....192 CHAR POTTER LINE  |       | 705428 B3 |
| PHORMER - DATAFORM GENERATOR BY PLOTTER... |       | 890534 B3 | PRINTER TEST PROGRAM...OPTICAL CHARACTER   |       | 706411 B3 |
| PLANT SECURITY CONTROL PACKAGE...          |       | 706508 B3 | PRINTER TEST...COMPREHENSIVE LINE          |       | 706167 B1 |
| PLEASE...                                  |       | 890986 B3 | PRINTER TEST...96-CHARACTER ANALEX LINE    |       | 705731 B1 |
| PLOT DRIVER PACKAGE...                     |       | 890387 B3 | PRIVATE PACKS...AUTO VOL RECOGNITION FOR   |       | 891069 B3 |
| PLOT SUBROUTINE...LINE PLOTTER             |       | 890676 B3 | PROBLEM SOLVING WORKSPACES...APL MGMT      |       | 891068 B3 |
| PLOT SUBROUTINE...LINE PRINTER             |       | 705380 B3 | PROCEDURAL HANDLER...XEROX DISPLAY STATION |       | 706263 B3 |
| PLOT SUBROUTINE...PRINTER                  |       | 890713 B3 | PROCEDURE DECK FOR SCU...META-SYMBOL       |       | 706450 B3 |
| PLOT...PERSPECTIVE                         |       | 890590 B3 | PROCEDURES - SYSTEM BPM...BPM USER         |       | 704768 B2 |
| PLOT)...CALCOMP PLOTTING SUBROUTINE (      |       | 704060 B3 | PROCEDURES FOR ASSEMBLY OF SIGMA 2 PROG... |       | 890615 B3 |
| PLOTTER COPY...GRAPHIC DISPLAY TO          |       | 705852 B3 | PROCEDURES...CATALOG                       |       | 890818 B3 |
| PLOTTER HANDLER...                         |       | 890739 B3 | PROCEDURES...DATADFF SYSTEMS PROGRAMMING   |       | 705673 B3 |
| PLOTTER LABELLING SUBR (LABEL)...CALCOMP   |       | 704061 B3 | PROCEDURES...SYSTEM FORTCOMP               |       | 705360 B1 |
| PLOTTER PLOT SUBROUTINE...LINE             |       | 890676 B3 | PROCESSING...FILE                          |       | 890471 B3 |
| PLOTTER SUBROUTINE PACKAGE...CALCOMP       |       | 890732 B3 | PROCESSING...LISP 1.5-LANGUAGE FOR LIST    |       | 890366 B3 |
| PLOTTER TEST...GRAPH                       |       | 704050 B1 | PROCESSOR (DMSREST)...EDMS RESTRUCTURING   |       | 706498 B3 |
| PLOTTER...PHORMER - DATAFORM GENERATOR BY  |       | 890534 B3 | PROCESSOR (OVER 32K)...SYMMETRIC LIST      |       | 890145 B3 |
| PLOTTER...SYMBOL LAB. ROUTINE FOR CALCOMP  |       | 890388 B3 | PROCESSOR (32K)...SYMMETRIC LIST           |       | 890144 B3 |

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| KEY  | TITLE | CAT,NO CL | KEY   | TITLE | CAT,NO CL |
|--|-------|-----------|---|-------|-----------|
| PROCESSOR EXERCISER...MULTI-               |       | 705390 B3 | RBM OVERLAY LOADER...                       |       | 705733 B2 |
| PROCESSOR WITH SHELL SORT...MAP            |       | 890752 B3 | RBM RAD EDITOR...                           |       | 705734 B2 |
| PROCESSOR...CONTROL MESSAGE                |       | 704124 B3 | RBM SORT...                                 |       | 890793 B3 |
| PROCESSOR...CP-R COPY                      |       | 890993 B3 | RBM VERSION)...EXTENDED FORTRAN IV=H (      |       | 705776 B2 |
| PROCESSOR...DIAP PROG SYSTEM CONTROL       |       | 730036 B1 | RBM VERSION)...SL-1 TRANSLATOR (            |       | 706117 A1 |
| PROCESSOR...EXPAND                         |       | 890777 B3 | RBM VERSION)...SYMBOL ASSEMBLER (           |       | 705846 B2 |
| PROCESSOR...FUNCTION TABLE                 |       | 890808 B3 | RBM...SYSTEM                                |       | 890958 B3 |
| PROCESSOR...MULTIPLE TAPE COPY             |       | 706128 B3 | RBM)...EXTENDED FORTRAN IV/IV-H LIB. (      |       | 705738 B2 |
| PROCESSOR...PRINT FORMS                    |       | 890815 B3 | RBM)...REAL-TIME BATCH MONITOR (            |       | 705732 B2 |
| PROCESSOR...QUERY SCHEMA                   |       | 890779 B3 | RBM-1)...REAL-TIME BATCH MONITOR--1 (       |       | 705280 B3 |
| PROCESSOR...RBM COPY                       |       | 890794 B3 | RBM/BPM HANDLER FOR MOC'D'S...              |       | 706259 B3 |
| PROCESSOR...XEROX 550/560 ROTATING MEMORY  |       | 730028 B1 | RBPRINT...                                  |       | 890756 B3 |
| PROCESSOR-TFM...TAPE FILE MANAGE           |       | 706122 B3 | READ PROGRAM - TRANSLT...PAPER TAPE         |       | 890833 B3 |
| PROCR...SIGMA ACCOUNTING SYSTEM SUMMARY    |       | 705689 B3 | READ/WRITE MAG TAPE PACK...FORTIV-SCATTER   |       | 890589 B3 |
| PROCS INTERFACE UNIT DIAG-SUPI...SYS UNIT/ |       | 730009 B1 | READINESS TEST (CART)...CHECK OUT AID AND   |       | 705668 B3 |
| PROCUREMENT STATUS (APS) SYS...AUTOMATED   |       | 890895 B3 | READINESS...CART-3 CHECK-OUT AID            |       | 706205 B3 |
| PRODUCT MOMENT / 200-300 VARIABLES...      |       | 890452 B3 | RECOGNITION FOR PRIVATE PACKS...AUTO VOL    |       | 891069 B3 |
| PRODUCT MOMENT...CORRELATIONS:             |       | 890451 B3 | RECOMMENDED SPARES...                       |       | 706457 B3 |
| PRGRAM...BLDNAME = S-O=P STUDENT NAME      |       | 890583 B3 | RECORD...CREATE QUARTERLY REPORT            |       | 890574 B3 |
| PROGRAMMING CODE...SIGMA 5/7 MFOR LINEAR   |       | 890146 B3 | RECORDING AND TIMING SYSTEM...ATP FOR DATA  |       | 705675 B3 |
| PROGRAMMING LANGUAGE...STRUCTUPED          |       | 706521 B3 | REFERENCE GENERATOR...BATCH MONITOR CROSS   |       | 890147 B3 |
| PROGRAMMING PROCEDURES...DATADEF SYSTEMS   |       | 705673 B3 | REFERENCE PROGRAM...FORTRAN CROSS           |       | 890545 B3 |
| PROGRAMS...BTM DEMO - GAMES                |       | 890666 B3 | REFERENCE SYMBOL LISTING PROG...CROSS       |       | 890157 B3 |
| PROGRAMS...XCORE - EXTRA CORE FOR FORTRAN  |       | 890737 B3 | REGISTER SAVF GENERATOR...STAND-ALONE       |       | 704444 B3 |
| PROJECT MANAGEMENT SYSTEM (SPMS)...SIGMA   |       | 890718 B3 | REGISTER...DEDUCTION                        |       | 890569 B3 |
| PROOF AND LOCAL TAX...PAYROLL QUARTERLY    |       | 890575 B3 | REGISTER...GENERAL PAYROLL                  |       | 890564 B3 |
| PROOF TEST...PAYROLL                       |       | 890577 B3 | REGISTER...SPECIAL DEDUCTION                |       | 890571 B3 |
| PROOF...GENERAL LEDGER                     |       | 890595 B3 | REGISTRATION STATISTICS PACKAGE...          |       | 890319 B3 |
| PROTECT DIAGNOSTIC...MEMORY                |       | 704062 B3 | REGRESSION ANALYSIS...INTERACTIVE MULTIPLE  |       | 890866 B3 |
| PUNCHED CARD COPY/VERIFY PROGRAM...CCOPY-  |       | 890727 B3 | REGRESSION ANALYSIS...MULTIPLE              |       | 890476 B3 |
| PURDUE SPECIAL ANALOG INPUT SUBSYSTEM...   |       | 704341 B3 | REGRESSION ANALYSIS, STEPWISF...MULTIPLE    |       | 890477 B3 |
| PURGE...FILE                               |       | 705782 B2 | REGRESSION PROGRAM...INTERACTIVE STEPWISE   |       | 890867 B3 |
| PURPOSE DISCRETE SIMULATOR-GPDS...GENERAL  |       | 706130 A1 | REGRESSION...INTERACTIVE MULTIPLE LINEAR    |       | 890836 B3 |
| PUT,MT)-UTIL...S/A FILE CPY AND VER(CARD,  |       | 704782 B3 | REGULAR & X SERIES...UCLA BIOMEDICAL PROG.  |       | 890890 B3 |
| QUARTERLY PROOF AND LOCAL TAX...PAYROLL    |       | 890575 B3 | RELABELER&REFORMATTER...RELABL-SOURCE DECK  |       | 890674 B3 |
| QUARTERLY REPORT RECORD...CREATE           |       | 890574 B3 | RELABL-SOURCE DECK RELABFLERR&REFORMATTER.. |       | 890674 B3 |
| QUARTERLY REPORT...SOCIAL SECURITY         |       | 890576 B3 | RELATING...FACTOR                           |       | 890468 B3 |
| QUERY SCHEMA PROCESSOR...                  |       | 890779 B3 | RELEASE FILES (RELFILES)...COBOL            |       | 890599 B3 |
| QUEUE CHECKING GHOST...BATCH               |       | 891067 B3 | RELEASE RESOURCES TO SYSTEM...              |       | 891053 B3 |
| QUEUE DISPLAY FOR ON-LINE...BATCH          |       | 891066 B3 | RELFILES)...COBOL RELEASE FILES (           |       | 890599 B3 |
| QUEUE EXCHANGER...BATQXCH - BATCH          |       | 890928 B3 | RELIABILITY PREDICTION CALCULATION...       |       | 706455 B3 |
| QUEUE MANIPULATOR...BATCH                  |       | 891065 B3 | RELIABILITY PREDICTION CREATE/UPDATE...     |       | 706454 B3 |
| RADIATION PCM TEST...                      |       | 706203 B3 | RELIABILITY PREDICTION REPORT GENERATOR...  |       | 706456 B3 |
| RADIUS OF GYRATION...MOMENTS OF INERTIA &  |       | 890869 B3 | RELOCATABLE DIAGNOSTIC PROGRAM LOADER...    |       | 704356 B3 |
| RAD6 DIAG...XEROX 550/560                  |       | 730026 B1 | REMG)...REMOTE GUIDE (                      |       | 706267 B1 |
| RANDOM DISC...FORTRAN                      |       | 890759 B3 | REMOTE BATCH TERMINAL TEST PROGRAM...       |       | 704983 B3 |
| RANDOM FILES FOR FORTRAN IV...KEYED/       |       | 890757 B3 | REMOTE GUIDE (REMG)...                      |       | 706267 B1 |
| RANDOM...                                  |       | 705715 B3 | REMOTE JOB ENTRY...HASP                     |       | 890764 B3 |
| RANDOMIZFO...SIMPLE                        |       | 890446 B3 | REMOVABLE DISK STORAGE TEST...              |       | 705534 B1 |
| RATIOS...T-TESTS AND F-                    |       | 890481 B3 | REMOVABLE DISK CONTROLLER DIAGNOSTIC...     |       | 730034 B1 |
| RBM COPY PROCESSOR...                      |       | 890794 B3 | REMOVABLE DISK STORAGE TEST...              |       | 706424 B3 |
| RBM ERROR LOG LISTER...                    |       | 706467 B3 | REPORT GENERATOR...RELIABILITY PREDICTION   |       | 706456 B3 |
| RBM MACRO-SYMBOL ASSEMBLER...              |       | 705781 B3 | REPORT PROGRAM GENERATOR (RPG)...XEROX      |       | 706419 B1 |
| RBM METASYMBOL...                          |       | 890812 B3 | REPORT RECORD...CREATE QUARTERLY            |       | 890574 B3 |
| RBM MOC HANDLER...                         |       | 706113 B3 | REPORT WRITER...GAMMA 3 MATRIX-GENERATOR    |       | 705832 A1 |

## PROGRAM AVAILABILITY LIST

| KEY                                      | TITLE                             | CAT,NO | CL | KEY   | TITLE                               | CAT,NO | CL |
|--|-----------------------------------|--------|----|---|-------------------------------------|--------|----|
| REPORT...                                | SOCIAL SECURITY QUARTERLY         | 890576 | B3 | SCATTERGRAM                                 | HISTOGRAM...                        | 890433 | B3 |
| REPORTS...                               | GENERATE PAYROLL TIME             | 890573 | B3 | SCHEDULE...                                 | AUTO                                | 890954 | B3 |
| RESOURCES TO SYSTEM...                   | RELEASE                           | 891053 | B3 | SCHEMA PROCESSOR...                         | QUERY                               | 890779 | B3 |
| RESTART PROGRAM...                       | COBOL                             | 890717 | B3 | SCOMPARE-SOURCE FILE COMPARISON PROGRAM...  |                                     | 890956 | B3 |
| RESTORE - BPM...                         | FAST FPURGE                       | 890810 | B3 | SCORE KEEPER FOR CONTINUING TOURNAMENTS...  |                                     | 890706 | B3 |
| RESTORE PROGRAM...                       | SYSTEM SAVE/                      | 706280 | B1 | SCORING...                                  | FACTOR                              | 890470 | B3 |
| RESTORE ROUTINE-UTIL...                  | STD-ALONE DISC SAVE               | 704781 | B3 | SCORING...                                  | TEST                                | 890479 | B3 |
| RESTORE/AUTO BOOT...                     | SYSTEM DISC DUMP/                 | 890734 | B3 | SCU INTERPRETER...                          |                                     | 706437 | B3 |
| RESTRUCTURING PROCESSOR (DMSREST)...     | EDMS                              | 706498 | B3 | SCU LINKING LOADER...                       |                                     | 706489 | B3 |
| RETRIEVAL PACKAGE (DARP)...              | DATA                              | 705669 | B3 | SCU...                                      | META-SYMBOL PROCEDURE DECK FOR      | 706450 | B3 |
| RETRIEVAL PROGRAM...                     | TAPE FILE                         | 890796 | B3 | SEARCH...                                   | COBOL SUBROUTINE BINARY             | 890607 | B3 |
| RETRIEVAL SUBROUTINES...                 | DATA                              | 706233 | B3 | SECURITY CONTROL PACKAGE...                 | PLANT                               | 706508 | B3 |
| RETRIEVAL SYS...                         | ON LINE DOCU ENTRY AND            | 890997 | B3 | SECURITY QUARTERLY REPORT...                | SOCIAL                              | 890576 | B3 |
| RETRIEVE (CSR)...                        | CARD STORE/                       | 705879 | B3 | SELECTION...                                | ENTITY                              | 890459 | B3 |
| RJE (XCDRJE)...                          | XEROX TO CONTROL DATA             | 890910 | B3 | SELECTIVE DUMP - UTILITY...                 | STAND-ALONE                         | 704779 | B3 |
| RMC...                                   | ROTATING MEMORY TEST PROGRAM -    | 706249 | B1 | SELECTOR IOP TEST PROGRAM...                |                                     | 704788 | B3 |
| ROM BREAKDOWN TRANSLATOR (ROMBUST)...    |                                   | 890143 | B3 | SELF SCARE- CARD READER SYMB. START...      | BPM                                 | 890585 | B3 |
| ROM MATRIX GENERATOR...                  | 5-9,550/560 CHAR                  | 706517 | B3 | SELF-TEST...                                | MAINTENANCE SUBCONTROLLER           | 705723 | B3 |
| ROM MATRIX IDS10/20...                   | SIG 5-9,550/560 CHAR              | 706516 | B3 | SEQ...                                      | EDIT DATA CARDS FOR ILLEG.PUNCHES & | 890458 | B3 |
| ROM TAPE FILE UPDATE PROGRAM - ROMUP...  |                                   | 890826 | B3 | SEQUENCE PROGRAM - UTILITY...               | COPY AND                            | 704396 | B3 |
| ROMBUST)...                              | ROM BREAKDOWN TRANSLATOR (        | 890143 | B3 | SEQUENTIAL SUBROUTINE...                    | COBOL ADD                           | 890604 | B3 |
| ROMLIB...                                |                                   | 890962 | B3 | SERIES SIMULATOR...                         | 1400                                | 705261 | B3 |
| ROMUP...                                 | ROM TAPE FILE UPDATE PROGRAM -    | 890826 | B3 | SERIES...                                   | UCLA BIOMEDICAL PROG.-REGULAR & X   | 890890 | B3 |
| ROTATING MEMORY CONTROLLER DIAGNOSTIC... |                                   | 730033 | B1 | SEX)...                                     | NEW SYSTEM EXERCISER (              | 705889 | B1 |
| ROTATING MEMORY PROCESSOR...             | XEROX 550/560                     | 730028 | B1 | SFTRAN...                                   |                                     | 890941 | B3 |
| ROTATING MEMORY TEST PROGRAM - RMC...    |                                   | 706249 | B1 | SHARED GRAPHICS FACILITY...                 | GORDO TIME                          | 890533 | B3 |
| ROTATION...                              | FACTOR                            | 890469 | B3 | SHC) DIAGNOSTIC...                          | SOFTWARE HARDWARE (                 | 730008 | B1 |
| ROTATION...                              | FACTOR ANALYSIS WITH              | 890465 | B3 | SHELL SORT...                               | MAP PROCESSOR WITH                  | 890752 | B3 |
| ROUTINES (ADCHIGH)...                    | ADC HIGH LEVEL                    | 706231 | B3 | SICR...                                     | STAND-ALONE I/O HANDLER FOR         | 704168 | B3 |
| ROUTINES (ADCLOW)...                     | ADC LOW LEVEL                     | 706232 | B3 | SIG 5-9,550/560 CHAR ROM MATRIX IDS10/20... |                                     | 706516 | B3 |
| ROUTINES...                              | ALTRAN RUN-TIME                   | 890846 | B3 | SIG 5/7 (STAND-ALONE)...                    | CARD LISTER USING                   | 890554 | B3 |
| ROUTINES...                              | COBOL TTY +                       | 891064 | B3 | SIGNIFICANCE TEST...                        | BINOMIAL                            | 890449 | B3 |
| ROUTINES...                              | FORTRAN IV KEYED FILE I/O         | 890323 | B3 | SIM. PCK (S/A VERS)...                      | UNIMPLEMENTED INST.                 | 704148 | B3 |
| ROUTINES...                              | SPECIAL FORT-SYMBOL INTERFACE     | 705896 | B3 | SIM. PCKG. BCM VERS...                      | UNIMPLEMENTED INST.                 | 704362 | B3 |
| ROUTINES--FORTRAN...                     | CHARACTER MANIPULATION            | 890657 | B3 | SIMPAC...                                   | DISCRETE SIMULATION PACKAGE -       | 890837 | B3 |
| ROUTN-UTIL...                            | MEDIA CONVERSION AND EDITOR       | 704784 | B3 | SIMPLE DEBUG ROUTINE...                     |                                     | 890979 | B3 |
| RPC...                                   | SIGMA 6/7/9                       | 890998 | B3 | SIMPLE RANDOMIZED...                        |                                     | 890446 | B3 |
| RPG)...                                  | XEROX REPORT PROGRAM GENERATOR (  | 706419 | B1 | SIMT...                                     | STAND-ALONE I/O HANDLER FOR         | 704169 | B3 |
| RT EXECUTIVE CROSS ASSEMBLER...          | HP                                | 890982 | B3 | SIMULATION PACKAGE - SIMPAC...              | DISCRETE                            | 890837 | B3 |
| RUN-TIME DIAGNOSTIC DEMO...              | FORTRAN IV                        | 705391 | B3 | SIMULATION PACKAGE...                       | BPM/3 GASP II                       | 890560 | B3 |
| RUN-TIME ROUTINES...                     | ALTRAN                            | 890846 | B3 | SIMULATION PROGRAM...                       | ANALOG DIGITAL                      | 890561 | B3 |
| RUN-TIME TRACE...                        |                                   | 705784 | B3 | SIMULATION...                               | BIRD WHISTLING-                     | 890557 | B3 |
| SAFE (PFS) DIAGNOSTIC PROGRAM...         | POWER FAIL                        | 730022 | B1 | SIMULATION...                               | INTERACTIVE CONTINUOUS              | 890838 | B3 |
| SAFE DIAGNOSTIC...                       | POWER FAIL                        | 706142 | B1 | SIMULATION-ORIENTED LANGUAGE...             | SOL-                                | 890363 | B3 |
| SAFE TEST...                             | POWER FAIL                        | 704122 | B3 | SIMULATOR (BCM VFR.)...                     | DECIMAL INSTRUCTION                 | 704364 | B3 |
| SALIO)...                                | STAND-ALONE I/O CONTROL PROGRAM ( | 704367 | B3 | SIMULATOR (BCM VER)...                      | RYTE-STRING INSTRU.                 | 704365 | B3 |
| SAS PCM TELEMETRY COMPILER...            | SSS-                              | 705655 | B3 | SIMULATOR (BCM VER)...                      | FLOATING POINT INST.                | 704363 | B3 |
| SAVE GENERATOR...                        | STAND-ALONE REGISTER              | 704444 | B3 | SIMULATOR (BCM)...                          | CONVERT INSTRUCTION                 | 704366 | B3 |
| SAVE...                                  | BPM/BTM FAST                      | 706296 | B2 | SIMULATOR (S/A VERS)...                     | FLOATING POINT INST.                | 704149 | B3 |
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| SAVE/RESTORE PROGRAM...                  | SYSTEM                            | 706280 | B1 | SIMULATOR (S/A)...                          | RYTE-STRING INSTRUCTION             | 704151 | B3 |
| SAVER...                                 | BTM MESSAGE                       | 705773 | B3 | SIMULATOR (S/A)...                          | CONVERT INSTRUCTION                 | 704152 | B3 |
| SAVIOR...                                |                                   | 891076 | B3 | SIMULATOR FORMATTED TAPE FILES...           | SORT 1400                           | 705882 | B3 |
| SCARE- CARD READER SYMB. START...        | BPM SELF                          | 890585 | B3 | SIMULATOR...                                | TIMESHARING                         | 890944 | B3 |
| SCATTER READ/WRITE MAG TAPE PACK...      | FORTIV                            | 890589 | B3 | SIMULATOR...                                | 1400 SERIES                         | 705261 | B3 |

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| KEY   | TITLE | CAT.NO | CL | KEY  | TITLE | CAT.NO | CL |
|---|-------|--------|----|--|-------|--------|----|
| SIMULATOR-GPDS...GENERAL PURPOSE DISCRETE   |       | 706130 | A1 | STANFORD DMS10 DIRFCT TO MEMORY DIAG....   |       | 705295 | B3 |
| SIMULTANEOUS LINEAR EQUATIONS...            |       | 890478 | B3 | START...BPM SELF SCARE= CARD READER SYMB,  |       | 890585 | B3 |
| SIMS19...                                   |       | 890873 | B3 | STATEMENT (DP0316...GENERAL LEDGER MONTHLY |       | 890596 | B3 |
| SINGLE CARD...UTILITIES,                    |       | 890659 | B3 | STATEMENTS (DP0222)...MONTHLY BUDGET       |       | 890593 | B3 |
| SIOP DIAGNOSTIC (MS)...                     |       | 705722 | B3 | STATION PROCEDURAL HANDLER...XEROX DISPLAY |       | 706263 | B3 |
| SIPR...STAND-ALONE I/O HANDLER FOR          |       | 704170 | B3 | STATISTICAL PACKAGE...VUL2-VANDERBILT      |       | 890400 | B3 |
| SIU DIAGNOSTIC PROGRAM...7930/7931/7935     |       | 704211 | B3 | STATISTICAL PACKAGE-BMD...UCLA BIOMEDICAL  |       | 890850 | B3 |
| SIU DIAGNOSTIC PROGRAM...ADS-10 ANALOG      |       | 705887 | B3 | STATISTICS PACKAGE...REGISTRATION          |       | 890319 | B3 |
| SIU DIAGNOSTIC PROGRAM...7910/14/15         |       | 704236 | B3 | STATUS (APS) SYS...AUTOMATED PROCUREMENT   |       | 890895 | B3 |
| SIU DIAGNOSTIC PROGRAM...7922               |       | 704214 | B3 | STD-ALONE DISC SAVE-RESTORE ROUTINE-UTIL.. |       | 704781 | B3 |
| SIU DIAGNOSTIC PROGRAM...7923/28/29         |       | 705392 | B3 | STFPWISE REGRESSION PROGRAM...INTERACTIVE  |       | 890867 | B3 |
| SIU HANDLER (FORTRAN IV-H)...7910           |       | 705891 | B3 | STEPWISE...MULTIPLE REGRESSION ANALYSIS,   |       | 890477 | B3 |
| SIU HANDLER...7929 AND 7935                 |       | 706143 | B3 | STORAGE TEST...REMOVABLE DISC              |       | 705534 | B1 |
| SIU 7923 HANDLER...                         |       | 705854 | B3 | STORAGE TEST...REMOVABLE DISK              |       | 706424 | B3 |
| SKD) DIAGNOSTIC...SYSTEM KEYBOARD DISPLAY   |       | 706236 | B3 | STORE/RETRIEVE (CSR)...CARD                |       | 705879 | B3 |
| SL-1 TRANSLATOR (BPM/BTM/UTS VERSION)...    |       | 706110 | A1 | STREAM CARD LISTER...BATCH                 |       | 890714 | B3 |
| SL-1 TRANSLATOR (RBM VFRSION)...            |       | 706117 | A1 | STREAM FOR CP-V...SORT PERFORMANCE JOB     |       | 706495 | B1 |
| SLR1 ANALYZER...                            |       | 890985 | B3 | STRING INSTRUC. SIMULATOR (BCM VFR)...BYTE |       | 704365 | B3 |
| SNAP)...SIGMA MAP DIAG. PROG.(              |       | 730041 | B1 | STRING INSTRUCTION SIMULATOR (S/A)...RYTE- |       | 704151 | B3 |
| SMUT - (SIGMA 5/6/7 MULTI TAPE COPY)...     |       | 705869 | B3 | STRUCTURED PROGRAMMING LANGUAGE...         |       | 706521 | B3 |
| SNAP TRANSLATOR...                          |       | 890547 | B3 | STUDENT NAME PROGRAM...BLDNAME - S=O-P     |       | 890583 | B3 |
| SNEAK-ON MEMORY PRINT...                    |       | 705775 | B3 | STUDENT ONLINE PREREGISTRATION PROG...SOP  |       | 890581 | B3 |
| SNOBOL4 VERSION 3.7...                      |       | 890823 | B3 | SURCONTROLLER SELF-TEST...MAINTENANCE      |       | 705723 | B3 |
| SNOBOL4...INTERACTIIF                       |       | 890673 | B3 | SURCONTROLLER...MIOP WITH MAINTENANCE      |       | 705721 | B3 |
| SNOBOL4...XDS                               |       | 705848 | B3 | SURR (LABEL)...CALCOMP PLOTTER LABFLLING   |       | 704061 | B3 |
| SOCIAL SECURITY QUARTERLY REPORT...         |       | 890576 | B3 | SURR FOR COBOL...TIMER ELAPSED TIME        |       | 890709 | B3 |
| SOLE: SIGMA OBJECT LANGUAGE FATER...        |       | 890940 | B3 | SURSYSTEM CCS...ON-LINE COMPUTER CENTER    |       | 706436 | B3 |
| SOLVING WORKSPACES...APL MGMT PROBLEM       |       | 891068 | B3 | SURSYSTEM...PURDUE SPECIAL ANALOG INPUT    |       | 704341 | B3 |
| SOP-STUDENT ONLINE PREREGISTRATION PROG...  |       | 890581 | B3 | SUFFIX...INSTRUCTION DIAGNOSTIC =          |       | 730001 | B1 |
| SORT AND MERGE...XEROX                      |       | 706102 | B1 | SUFFIX)...CPU DIAGNOSTIC (                 |       | 706134 | B1 |
| SORT INTERFACE...                           |       | 890730 | B3 | SUFFIX)...CPU DIAGNOSTIC SYSTEM (          |       | 704045 | B3 |
| SORT MULTIPLE INPUT FILES...MULTSORT -      |       | 705881 | B3 | SUFFIX)...SIGMA 5 CPU DIAGNOSTIC (         |       | 704174 | B3 |
| SORT PERFORMANCE JOB STREAM FOR CP-V...     |       | 706495 | B1 | SUMMARY PROC...SIGMA ACCOUNTING SYSTEM     |       | 705689 | B3 |
| SORT 1400 SIMULATOR FORMATTED TAPE FILES..  |       | 705882 | B3 | SUMMARY...UTS ACCOUNTING                   |       | 890787 | B3 |
| SORT...MAP PROCESSOR WITH SHELL             |       | 890752 | B3 | SUPER SWAP (102)...                        |       | 706146 | B1 |
| SORT...RBM                                  |       | 890793 | B3 | SUPI...SYS UNIT/PROCS INTRFACE UNIT DIAG-  |       | 730009 | B1 |
| SORT...TOMAS-TERMINAL ORIENTED MERGE &      |       | 890786 | B3 | SUPPORT TAPE (SST)...LABELED SOFTWARE      |       | 880832 | B2 |
| SORT/MERGE FOR BPM/BTM...                   |       | 704985 | B2 | SUPPORT TAPE (SST)...UNLABELED SOFTWARE    |       | 880830 | B2 |
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| SOURCE FILE COMPARISON PROGRAM...SCOMPARE-  |       | 890956 | B3 | SWAP 3,2)...STAND-ALONE SYSTEM EXERCISER ( |       | 705680 | B3 |
| SOURCE MERGE PROGRAM...COMPRESSED           |       | 890326 | B3 | SWITCH SYS...COC HANDLER FOR XEROX MESSAG  |       | 705726 | B3 |
| SOURCE PROGRAM COMPARER...METASYMBOL        |       | 890876 | B3 | SWITCHING EQUIP. DIAGNOSTIC...PERIPHERAL   |       | 704314 | B1 |
| SOURCE UPDATE EDITOR = UTILITY...S/A COMP/  |       | 704785 | B3 | SYMB. START...BPM SELF SCARE= CARD READER  |       | 890585 | B3 |
| SOURCE-LISTING MAG TAPE...UTILITY           |       | 704397 | B3 | SYMBOL ASSEMBLER (RBM VERSION)...          |       | 705846 | B2 |
| SPARES...RECOMMENDED                        |       | 706457 | B3 | SYMBOL ASSEMBLER (COVER)...MFTA-           |       | 704428 | B1 |
| SPLURGE FOR BPM...                          |       | 890828 | B3 | SYMBOL ASSEMBLER FOR BCM...                |       | 704158 | B3 |
| SPLURGE FOR UTS...                          |       | 890829 | B3 | SYMBOL ASSEMBLER FOR BPM/BTM...            |       | 704159 | B2 |
| SPMS)...SIGMA PROJECT MANAGEMENT SYSTEM (   |       | 890718 | B3 | SYMBOL ASSEMBLER...RBM MACRO-              |       | 705781 | B3 |
| SQUARES CURVE FITTING...INTERACTIVE LEAST   |       | 890865 | B3 | SYMBOL ASSEMBLER...SIGMA 2 BASIC           |       | 890672 | B3 |
| SQUARES...AXB LEAST                         |       | 890434 | B3 | SYMBOL ASSEMBLER...STAND-ALONE             |       | 704160 | B3 |
| SQUARES, CONTING. COEFF...CROSS TABS, CHI   |       | 890454 | B3 | SYMBOL INTERFACE ROUTINES...SPECIAL FORT-  |       | 705896 | B3 |
| SSS-SAS PCM TELEMETRY COMPILER...           |       | 705655 | B3 | SYMBOL LAB. ROUTINE FOR CALCOMP PLOTTER... |       | 890388 | B3 |
| SST)...LABELED SOFTWARE SUPPORT TAPE (      |       | 880832 | B2 | SYMBOL LISTING PROG...CROSS REFERENCE      |       | 890157 | B3 |
| SST)...UNLABELED SOFTWARE SUPPORT TAPE (    |       | 880830 | B2 | SYMBOL PROCEDURE DFCK FOR SCU...META-      |       | 706450 | B3 |
| STANDARD...DELETE                           |       | 890768 | B3 | SYMCON (BPM/BTM)...                        |       | 890942 | B3 |

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| KEY | TITLE                                      | CAT.NO | CL | KEY | TITLE                                      | CAT.NO | CL |
|-----|--|--------|----|-----|--|--------|----|
|     | SYMMETRIC LIST PROCESSOR (OVER 32K)...     | 890145 | B3 |     | TIMER ELAPSED TIME SUBR FOR COBOL...       | 890709 | B3 |
|     | SYMMETRIC LIST PROCESSOR (32K)...          | 890144 | B3 |     | TIMESHARING SIMULATOR...                   | 890944 | B3 |
|     | SYS (FMPS)...FUNCTIONAL MATHFMATICAL PROG  | 705831 | A1 |     | TIMESHARING SYSTFM...JANUS                 | 890532 | B3 |
|     | SYS - EXTENDED...HONEYWELL DATA MANAGEMNT  | 706461 | A1 |     | TIMING SYSTEM...ATP FOR DATA RECORDING AND | 705675 | B3 |
|     | SYS UNIT/PROCS INTRFACE UNIT DIAG-SUPI...  | 730009 | B1 |     | TMS09A DIAGNOSTIC...PANAVIA                | 706442 | B3 |
|     | SYS...AUTOMATED PROCUREMENT STATUS (APS)   | 890895 | B3 |     | TOE -3D...TIC TAC                          | 890543 | B3 |
|     | SYS...LOAD-AND-GO (LAG) DIAGNOSTIC PROG.   | 730013 | B1 |     | TOMAS-TERMINAL ORIENTED MERGE & SORT...    | 890786 | B3 |
|     | SYS...COC HANDLER FOR XEROX MESSAGE SWITCH | 705726 | B3 |     | TOTALS (DP0311)...GENERAL LEDGER           | 890594 | B3 |
|     | SYS...ON LINE DOCU ENTRY AND RETRIEVAL     | 890997 | B3 |     | TOTALS CONFIRMATION...PAYROLL              | 890563 | B3 |
|     | SYSTEMS PROGRAMMING PROCEDURES...DATADFF   | 705673 | B3 |     | TOURNAMENTS...SCORF KEEPER FOR CONTINUING  | 890706 | B3 |
|     | SYSX)...SYSTEM EXERCISER DIAGNOSTIC (      | 730010 | B1 |     | TRACE...RUN-TIME                           | 705784 | B3 |
|     | SOL-SIMULATION-ORIENTED LANGUAGE...        | 890363 | B3 |     | TRACK MAGNETIC TAPE I/O HANDLER...7        | 704851 | B3 |
|     | TABLE PROCESSOR...FUNCTION                 | 890808 | B3 |     | TRACK MAGNETIC TAPE TEST 32 BIT...NINE-    | 730035 | B1 |
|     | TABLE...BCD/EBCDIC TRANSLATION             | 704855 | B3 |     | TRACK) - UTIL...MAG. TAPE CONVERSION (7/9  | 704783 | B3 |
|     | TABS, CHI-SQUARES, CONTIN6, COEFF...CROSS  | 890454 | B3 |     | TRANSFER...THREE DIMENSION TRANSIENT HEAT  | 890766 | B3 |
|     | TABULATION...INTERACTIVE CROSS             | 890841 | B3 |     | TRANSFORMATION...HIERARCHICAL              | 890461 | B3 |
|     | TAC TOF -3D...TIC                          | 890543 | B3 |     | TRANSGENERATION...                         | 890480 | B3 |
|     | TAPES...BASIC SOFTWARE MAGNETIC            | 704357 | B3 |     | TRANSGENERATION...INTERACTIVE              | 890868 | B3 |
|     | TAX...PAYROLL QUARTERLY PROOF AND LOCAL    | 890575 | B3 |     | TRANSIENT HEAT TRANSFER...THREE DIMENSION  | 890766 | B3 |
|     | TCSH)...TIME CODE SYSTEM HANDLER (         | 706237 | B3 |     | TRANSIENT...CIPC-                          | 706253 | A1 |
|     | TELEMETRY COMPILER...SSS-SAS PCM           | 705655 | B3 |     | TRANSLATION TABLE...BCD/FBCDIC             | 704855 | B3 |
|     | TELEMETRY SYSTEM...PBX11                   | 706125 | B3 |     | TRANSLATOR (RPM/RTM/UTS VERSION)...SL-1    | 706118 | A1 |
|     | TELETYPE INTERFACE SUBROUTINES...COBOL     | 890746 | B3 |     | TRANSLATOR (RHM VERSION)...SL-1            | 706117 | A1 |
|     | TEMPORARY FILES...DECLARE                  | 890816 | B3 |     | TRANSLATOR (ROMBIUST)...ROM BREAKDOWN      | 890143 | B3 |
|     | TERMINAL HANDLER...GFNERALIZED             | 706520 | B3 |     | TRANSLATOR TEST...TIME CODE                | 706235 | B3 |
|     | TERMINAL ORIENTED MANAGE...MANAGE AND      | 705783 | A1 |     | TRANSLATOR...SNAP                          | 890547 | B3 |
|     | TERMINAL ORIENTED MERGE & SORT...TOMAS-    | 890786 | B3 |     | TRANSLATOR...TRISTIMULUS TO MUNSELL COLOR  | 890878 | B3 |
|     | TERMINAL TEST PROGRAM...REMOTE BATCH       | 704983 | B3 |     | TRANSLT...PAPER TAPE READ PROGRAM -        | 890833 | B3 |
|     | TESTING...FACTOR HYPOTHESIS                | 890467 | B3 |     | TRANSMOG- EBCDIC BINARY FILE BUILD...      | 706201 | B3 |
|     | TESTS AND F-RATIOS...T-                    | 890481 | B3 |     | TRAP DIAGNOSTIC PROGRAM...                 | 730021 | B1 |
|     | TESTS FOR LTV...PAM-PDM + ADC ACCEPTANCE   | 705367 | B3 |     | TRAP DIAGNOSTIC...INTERRUPT/               | 706137 | B1 |
|     | TEXT ARRAY GENERATOR (TEXTAR)...BASIC      | 706111 | B3 |     | TRAP HANDLER (S/A VERS)...UNIMPL. INST.    | 704153 | B3 |
|     | TEXT EDITOR...HIERARCHICAL                 | 890612 | B3 |     | TRIAL BALANCE DP0215...DISTRIBUTION LEDGER | 890592 | B3 |
|     | TEXT SYSTEM...BROWSE - INTERACTIVE INDFXF  | 890877 | B3 |     | TRISTIMULUS TO MUNSELL COLOR TRANSLATOR... | 890878 | B3 |
|     | TEXT...                                    | 706412 | B3 |     | TTY + ROUTINES...COBOL                     | 891064 | B3 |
|     | TEXTAR)...BASIC TEXT ARRAY GENERATOR (     | 706111 | B3 |     | TUF - A TAPE UNFOULER...SIGMA 9            | 890984 | B3 |
|     | TFM...TAPE FILE MANAGE PROCESSOR-          | 706122 | B3 |     | TUNABLE OSCILLATOR (VCO)...HANDLER FOR     | 706228 | B3 |
|     | TGEN)...TEST FILE GENERATOR (              | 706247 | B3 |     | TYPE EXT. ANAL. OF VARIANCE...LINDQUIST    | 890445 | B3 |
|     | THREE DIMENSION TRANSIENT HEAT TRANSFER... | 890766 | B3 |     | TYPE I ANAL. OF VARIANCE...ANOVA-LINDQUIST | 890441 | B3 |
|     | TIC TAC TOE -3D...                         | 890543 | B3 |     | TYPE III EXTENDED...ANOVA - LINDQUIST      | 890443 | B3 |
|     | TIDY...FORTRAN                             | 891071 | B3 |     | TYPE III...ANOVA - LINDQUIST               | 890442 | B3 |
|     | TIME (CP-R)...CONTROL PROGRAM FOR REAL-    | 708000 | A1 |     | TYPE IV ANALYSIS OF VARIANCE...LINDQUIST   | 890444 | B3 |
|     | TIME AND/OR DATE SUBROUTINE...             | 890325 | B3 |     | TYPEWRITER...MESSAGE WRITER FOR PRINTER OR | 890383 | B3 |
|     | TIME BATCH MONITOR (RBM)...RFAL-           | 705732 | B2 |     | UCLA BIOMEDICAL PROG.-REGULAR & X SERIES.. | 890890 | B3 |
|     | TIME BATCH MONITOR--1 (RBM-1)...REAL-      | 705280 | B3 |     | UCLA BIOMEDICAL STATISTICAL PACKAGE-RMD... | 890850 | B3 |
|     | TIME CLOCK TEST...REAL-                    | 704017 | B3 |     | UNBLOCKING ROUTINE...RLOCKER-FILE RLOCKING | 890955 | B3 |
|     | TIME CODE SYSTEM HANDLER (TCSH)...         | 706237 | B3 |     | UNFOULER...SIGMA 9 TUF - A TAPE            | 890984 | B3 |
|     | TIME CODE TRANSLATOR TEST...               | 706235 | B3 |     | UNIMPL. INST. TRAP HANDLER (S/A VERS)...   | 704153 | B3 |
|     | TIME CONTROL DIAGNOSTIC...TAPE MOTION -    | 706440 | B3 |     | UNIMPLEMENTED INST. SIM. PCK (S/A VERS)... | 704148 | B3 |
|     | TIME DIAGNOSTIC DEMO...FORTRAN IV RUN-     | 705391 | B3 |     | UNIMPLEMENTED INST. SIM. PCKG. BCM VERS... | 704362 | B3 |
|     | TIME REPORTS...GENERATE PAYROLL            | 890573 | B3 |     | UNIT DIAG-SUPI...SYS UNIT/PROCS INTRFACE   | 730009 | B1 |
|     | TIME ROUTINES...ALTRAN RUN-                | 890846 | B3 |     | UNIT TEST DIAGNOSTIC...CHANNEL INTERFACE   | 705279 | B1 |
|     | TIME SHARED GRAPHICS FACILITY...GORDO      | 890533 | B3 |     | UNIT TEST PATTERN CARD DECK...JT-14 PET    | 704427 | B3 |
|     | TIME SUBR FOR COBOL...TIMER FLAPSED        | 890709 | B3 |     | UNIT...HANDLER FOR 7930/7931 DIGITAL I/O   | 705861 | B3 |
|     | TIME TRACE...RUN-                          | 705784 | B3 |     | UNIT...HANDLER FOR 7969 FREQUENCY CONTROL  | 705860 | B3 |

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| DIAGNOSTIC    | CONTROL PROGRAM (DCP)...             | 704025 | B3 | DISPLAY                | STATION DIAGNOSTIC PROGRAM...XEROX   | 706254 | B3 |
| DIAGNOSTIC    | FOR 8150)...MEDIC 8150 (MEMORY       | 705894 | B3 | DISPLAY                | STATION PROCEDURAL HANDLER...XEROX   | 704511 | B3 |
| DIAGNOSTIC    | LIBRARY CONTROL PROGRAM...           | 720036 | B1 | DIVIDE                 | INTERRUPT SUBROUTINE...MULTIPLY/     | 705681 | B1 |
| DIAGNOSTIC    | LOADER-SYMBOL+EXTENDED SYMBOL..      | 705299 | B3 | DPM)                   | DIAGNOSTIC PROGRAM MONITOR (         | 720015 | B1 |
| DIAGNOSTIC    | PROGRAM MAGNETIC TAPE LIBRARY..      | 705694 | B1 | DPS                    | LOAD AND GO (LAG) PROCESSOR...       | 720028 | B1 |
| DIAGNOSTIC    | PROGRAM MONITOR (DPM)...             | 705681 | B1 | DPS)                   | 16 BIT EDIT (                        | 890720 | B3 |
| DIAGNOSTIC    | PROGRAM MONITOR...                   | 720004 | B1 | DUMP                   | ROUTINE (FLABORATED)...FCT           | 706449 | B3 |
| DIAGNOSTIC    | PROGRAM SYSTEM MONITOR...            | 720016 | B1 | DUPLICATOR/VERIFIER... | PAPER TAPE                           | 706244 | B3 |
| DIAGNOSTIC    | PROGRAM WITH HANDLERS...CCS-20       | 705357 | B3 | DOO                    | SAVE PROGRAM...SIGMA 2/3 COI/        | 720028 | B1 |
| DIAGNOSTIC    | PROGRAM...CC-32/33                   | 706202 | B3 | EDIT                   | (DPS)...16 BIT                       | 891051 | B3 |
| DIAGNOSTIC    | PROGRAM...CES-34                     | 706114 | B3 | EDITOR                 | FOR RBM...                           | 890389 | B3 |
| DIAGNOSTIC    | PROGRAM...INTERRUPT                  | 720006 | B1 | EDITOR...              | RBM RAD                              | 705371 | B2 |
| DIAGNOSTIC    | PROGRAM...NS LINE PRINTER            | 720020 | B1 | FLABORATED)            | FCT DUMP ROUTINE (                   | 705729 | B3 |
| DIAGNOSTIC    | PROGRAM...XEROX DISPLAY STATION      | 706110 | B3 | ELECTRONICS            | DATA ACQUISITION...A.C.              | 890328 | B3 |
| DIAGNOSTIC    | PROGRAM...7910/14/15 SIU             | 704235 | B3 | ENG...                 | COGO COORDINATE GEOMETRY LANG.-CIVIL | 890705 | B3 |
| DIAGNOSTIC    | PROGRAM...7922 SIU                   | 704213 | B3 | ENTRY                  | (RCM)...SIGMA 3 TO 1108 REMOTE JOB   | 890704 | B3 |
| DIAGNOSTIC    | PROGRAM...7923/28/29 SIU             | 705388 | B3 | ENTRY                  | (RBM)...SIGMA 3 TO 1108 REMOTE JOB   | 720021 | B1 |
| DIAGNOSTIC    | PROGRAMMING SYSTEM LIBRARY...        | 720027 | B1 | EQUIP.                 | DIAGNOSTIC...PERIPHERAL SWITCHING    | 705266 | B1 |
| DIAGNOSTIC    | SYSTEM (AUTO)...CPU                  | 704011 | B3 | EQUIPMENT              | PROGRAM...AUTO DIAL                  | 704156 | B1 |
| DIAGNOSTIC... | ADS-10 SIU                           | 705885 | B3 | EQUIPMENT              | TEST...COMPREHENSIVE CARD            | 706481 | B2 |
| DIAGNOSTIC... | CHANNEL INTERFACE UNIT TEST          | 705297 | B1 | ERROR                  | LOG LIST/ANALYSIS PROGRAM...         | 720014 | B1 |
| DIAGNOSTIC... | CPU INTERRUPT                        | 704002 | B3 | EXERCISER              | (SYSX)...SYSTEMS                     | 705365 | B3 |
| DIAGNOSTIC... | CPU OPTIONAL INSTRUCTION             | 720012 | B1 | EXERCISER              | FOR CCS-20 DATA LINK...              |        |    |
| DIAGNOSTIC... | DATA SET CONTROLLER                  | 704055 | B1 |                        |                                      |        |    |
| DIAGNOSTIC... | HARDCORE MEMORY                      | 720001 | B1 |                        |                                      |        |    |

## PROGRAM AVAILABILITY LIST

| KEY   | TITLE                            | CAT.NO | CL | KEY   | TITLE                           | CAT.NO | CL |
|---|----------------------------------|--------|----|---|---------------------------------|--------|----|
| EXERCISER SYSTEM...                         | ON-LINE                          | 706488 | B2 | HISTORY PROGRAM...                          | AUTOMATED MEDICAL               | 890744 | B3 |
| EXERCISER...                                | BRANCH DATA ENTRY SYSTEMS        | 720021 | B1 | HONEYWELL REPORT PROG GENERATOR (RPG II)... |                                 | 706401 | B2 |
| EXERCISER...                                | DIAGNOSTIC - SYSTEM              | 705716 | B3 | I/O TEST UTILITY PROGRAM                    |                                 | 704000 | B3 |
| EXERCISOR...                                | MULTIPLE-PORT MEMORY RANDOM      | 705672 | B3 | IDEAL FORTRAN...                            |                                 | 890740 | B3 |
| EXT PREC FORTRAN)...                        | 7929 SIU HANDLER (               | 706171 | B3 | INDUMP...                                   |                                 | 706448 | B2 |
| EXT, PREC, FORTRAN)...                      | SIU 7915 HANDLER (               | 705853 | B3 | INST)...                                    | 530 INSTRUCTION DIAGNOSTIC (    | 720032 | B1 |
| EXT, PREC, FORTRAN)...                      | SIU 7930/31 HANDLER              | 705855 | B3 | INSTRUCTION DIAGNOSTIC (TNST)...            | 530                             | 720032 | B1 |
| EXT, PREC, FORTRAN)...                      | 7910 SIU HANDLER (               | 706115 | B3 | INSTRUCTION DIAGNOSTIC...                   |                                 | 720005 | B1 |
| EXTENDED ARITHMETIC OPTION...               |                                  | 705386 | B3 | INSTRUCTION DIAGNOSTIC...CPU OPTIONAL       |                                 | 720012 | B1 |
| EXTENDED DEVICE SUBCONTROLLER DIAG....      | 7902                             | 706172 | B3 | INTEGRAL IOP AND WD INTERFACE TEST...       |                                 | 704006 | B3 |
| EXTENDED DISK STORAGE TEST...               | 7270                             | 706528 | B1 | INTERCOMMUNICATION DEMO...SIGMA 3 - CF16    |                                 | 706147 | B3 |
| EXTENDED SYMBOL...                          | RBM                              | 705372 | B2 | INTERCOMMUNICATION DEMO...SIGMA 3 - CF16    |                                 | 706238 | H3 |
| EXTENSIONS...                               | ROUTINES - REAL-TIME             | 890697 | B3 | INTERFACE TEST...INTEGRAL IOP AND WD        |                                 | 704006 | B3 |
| EXTERNAL IOP TEST PROGRAM...                |                                  | 705679 | B3 | INTERFACE UNIT TEST DIAGNOSTIC...CHANNEL    |                                 | 705297 | B1 |
| EXTERNAL MEMORY ADAPTER DIAGNOSTIC...       | 8050                             | 704449 | B1 | INTERGRAL IOP TEST...                       |                                 | 705690 | H3 |
| E01 MODIFICATIONS-ASCII TAPE HANDLER...     | RBM                              | 890825 | B3 | INTERRUPT DIAGNOSTIC (9NTR)...              | 530                             | 720031 | B1 |
| FAIL-SAFE TEST...                           | POWER                            | 704140 | B3 | INTERRUPT DIAGNOSTIC PROGRAM...             |                                 | 720006 | B1 |
| FAULT LOCATOR...                            | MEMORY DIAGNOSTIC-               | 890529 | B3 | INTERRUPT DIAGNOSTIC...CPU                  |                                 | 704002 | B3 |
| FCT DUMP ROUTINE (ELABORATED)...            |                                  | 890720 | B3 | INTERRUPT SUBROUTINE...MULTIPLY/DIVIDE      |                                 | 704511 | B3 |
| FILE ROUTINES...                            | BLOCKED RANDOM                   | 890741 | B3 | IOP AND WD INTERFACE TEST...INTEGRAL        |                                 | 704006 | B3 |
| FILE TEST PROGRAM...                        | MASS STORAGE DISC                | 704320 | B3 | IOP DIAGNOSTIC (IOPS)...                    | 530                             | 720034 | B1 |
| FOREGROUND DEMO...                          | REAL-TIME CLOCK 1                | 704342 | B3 | IOP DIAGNOSTIC...                           |                                 | 720007 | B1 |
| GASP II SIMULATION PROGRAM...               | RBM/3                            | 890671 | B3 | IOP TEST PROGRAM...EXTERNAL                 |                                 | 705679 | H3 |
| GENERATOR (RPG II)...                       | HONEYWELL REPORT PROG            | 706401 | B2 | IOP TEST...INTFRGRAL                        |                                 | 705690 | B3 |
| GENERATOR...                                | ANALOG REDUCTION REPORT          | 705378 | B3 | IOPS)...                                    | 530 IOP DIAGNOSTIC (            | 720034 | B1 |
| GENERATOR...                                | BOOT STRAP AND ABSOLUTE LOADER   | 705264 | B1 | JOB ENTRY (BCM)...                          | SIGMA 3 TO 1108 REMOTE          | 890705 | H3 |
| GENERATOR...                                | SIGMA 2 DIAGNOSTIC BINARY        | 704030 | B3 | JOB ENTRY (RBM)...                          | SIGMA 3 TO 1108 REMOTE          | 890704 | H3 |
| GEOMETRY LANG.-CIVIL ENG...                 | COGO COORDINATE                  | 890328 | B3 | KEYBOARD DISPLAY DIAGNOSTIC...              |                                 | 704012 | B3 |
| GEOSPACE SPECIAL DEVICF CHECKOUT PROGRAM... |                                  | 704285 | B3 | KEYBOARD PRINTER (ASR/KSR)(16-BIT)...       | XEROX                           | 705652 | B1 |
| GO (LAG) PROCESSOR...                       | DPS LOAD AND                     | 720015 | B1 | KEYBOARD PRINTER TEST...                    |                                 | 704015 | B3 |
| GRAPH PLOTTER HANDLER (PLOT)...             |                                  | 704005 | B3 | KSR)(16-BIT)...                             | XEROX KEYBOARD PRINTER (ASR     | 705652 | H1 |
| GRAPH PLOTTER TEST...                       |                                  | 704001 | B1 | LAG) PROCESSOR...DPS LOAD AND GO (          |                                 | 720015 | B1 |
| GRAPHIC DISPLAY DIAGNOSTIC...               | 7580                             | 706262 | B3 | LANG.-CIVIL FNG...COGO COORDINATE GEOMETRY  |                                 | 890328 | B3 |
| HANDLER (EXT PREC FORTRAN)...               | 7929 SIU                         | 706171 | B3 | LEAST-SQUARES W/ ORTHOGONAL POLYNOMIALS...  |                                 | 890814 | B3 |
| HANDLER (EXT, PREC, FORTRAN)...             | SIU 7915                         | 705853 | B3 | LEVEL 3)...                                 | APT3 (                          | 890748 | B3 |
| HANDLER (EXT, PREC, FORTRAN)...             | SIU 7930/31                      | 705855 | B3 | LIB, CONTROL...XEROX COIN-X530 DIAG, PROG,  |                                 | 720023 | B3 |
| HANDLER (EXT, PREC, FORTRAN)...             | 7910 SIU                         | 706115 | B3 | LINK DEMONSTRATION...X530-ALPHA-LSI II      |                                 | 706519 | B3 |
| HANDLER (FORTRAN)...                        | 7923 SIU                         | 705898 | B3 | LINK...EXERCISER FOR CCS-20 DATA            |                                 | 705365 | B3 |
| HANDLER (FORTRAN)...                        | 7969 SIU                         | 706123 | B3 | LIST/ANALYSIS PROGRAM...ERROR LOG           |                                 | 706481 | B2 |
| HANDLER (PLOT)...                           | GRAPH PLOTTER                    | 704005 | B3 | LOAD AND GO (LAG) PROCESSOR...DPS           |                                 | 720015 | H1 |
| HANDLER (RCOC)...                           | C.O.C.                           | 705719 | B2 | LOADER (16-BIT MACHINE)...                  | XEROX DIAG.PROG.                | 720000 | B1 |
| HANDLER (STAND, PREC, FORTRAN)...           | SIU 7930/31                      | 705856 | B3 | LOADER GENERATOR...BOOT STRAP AND ABSOLUTE  |                                 | 705264 | B1 |
| HANDLER (STD PREC FORTRAN)...               | 7910 SIU                         | 706116 | B3 | LOADER...STAND-ALONE RELOCATABLE            |                                 | 704453 | H3 |
| HANDLER...                                  | MESSAGE ORIENTED COMM. DEVICE    | 706255 | B3 | LOADER-SYMBOL+EXTENDED SYMBOL...DIAGNOSTIC  |                                 | 705299 | B3 |
| HANDLER...                                  | MOC CONTROLLER 7601              | 705895 | B3 | LOCATOR...MEMORY DIAGNOSTIC-FAULT           |                                 | 705529 | B3 |
| HANDLER...                                  | RBM BSC PROCEDURAL               | 706149 | B3 | LOG LIST/ANALYSIS PROGRAM...ERROR           |                                 | 706481 | B2 |
| HANDLER...                                  | RBM E01 MODIFICATIONS-ASCII TAPE | 890825 | B3 | LOOP DIAGNOSTIC...7907 CLOSED               |                                 | 706468 | B3 |
| HANDLER...                                  | STAND-ALONE RAD                  | 704073 | B3 | LOOP DIAGNOSTIC...7908 CLOSED               |                                 | 706470 | B3 |
| HANDLER...                                  | XEROX DISPLAY STATION PROCEDURAL | 706254 | B3 | LSDMF - FORTRAN CALLABLE SORT...            |                                 | 890927 | B3 |
| HANDLERS...                                 | CCS-20 DIAGNOSTIC PROGRAM WITH   | 705357 | B3 | LSI II LINK DEMONSTRATION...X530-ALPHA-     |                                 | 706519 | B3 |
| HARDCORE CARTRIDGE DISK TEST...             | 530                              | 706502 | B1 | MACHINE)...                                 | XEROX DIAG.PROG. LOADER (16-BIT | 720000 | B1 |
| HARDCORE DIAGNOSTIC...                      | HARDWARE                         | 720011 | B1 | MAG TAPE DIAG...XEROX 530 NS                |                                 | 720019 | B1 |
| HARDCORE MEMORY DIAGNOSTIC...               |                                  | 720001 | B1 | MAGNETIC TAPE LIBRARY...DIAGNOSTIC PROGRAM  |                                 | 705694 | B1 |
| HARDCORE TEST (16-BIT)...                   | XEROX SOFTWARE                   | 720010 | B1 | MAGNETIC TAPF TEST...7 CHANNEL              |                                 | 705877 | B1 |
| HARDWARE HARDCORE DIAGNOSTIC...             |                                  | 720011 | B1 | MAGNETIC TAPF TEST...9 CHANNEL              |                                 | 705866 | B1 |

## PROGRAM AVAILABILITY LIST

| KEY  | TITLE                       | CAT,NO | CL | KEY  | TITLE             | CAT,NO | CL |
|--|-----------------------------|--------|----|--|-------------------|--------|----|
| MAGNETIC TAPE TEST...                      | 9-CHANNEL POTTER            | 706417 | B1 | PLINES...                                  |                   | 890999 | B3 |
| MANL)...530                                | MANUAL CONTROL DIAGNOSTIC ( | 720033 | B1 | PLOT SUBROUTINE...                         | PRINTER           | 890712 | B3 |
| MANUAL CONTROL DIAGNOSTIC (MANL)...530     |                             | 720033 | B1 | PLOT)...GRAPH                              | PLOTTER HANDLER ( | 704005 | B3 |
| MANUFACTURING TEST PROGRAM...              |                             | 720013 | B1 | PLOTTER HANDLER (PLOT)...GRAPH             |                   | 704005 | B3 |
| MAP PLOTTING SYSTEM...CONTOUR              |                             | 705720 | B3 | PLOTTER TEST...GRAPH                       |                   | 704001 | B1 |
| MASS STORAGE DISC FILE TEST PROGRAM...     |                             | 890827 | B3 | PLOTTING LIBRARY...                        | SIGMA             | 890723 | B3 |
| MATH LIBRARY (COVER)...STAND-ALONE         |                             | 704320 | B3 | PLOTTING SYSTEM...CONTOUR MAP              |                   | 890827 | B3 |
| MATH LIBRARY/RUN-TIME...BASIC FORTRAN      |                             | 704161 | B3 | PLOTTING SYSTEM...SYMBIONT                 |                   | 705780 | B2 |
| MEDIC 8150 (MEMORY DIAGNOSTIC FOR 8150)... |                             | 704454 | B3 | POLYNOMIALS...LEAST-SQUARES W/ ORTHOGONAL  |                   | 890814 | B3 |
| MEDIC...MEMORY PROGRAM =                   |                             | 705894 | B3 | PORT MEMORY RANDOM EXERCISOR...MULTIPLE-   |                   | 705672 | B3 |
| MEDICAL HISTORY PROGRAM...AUTOMATED        |                             | 704022 | B3 | POTTER MAGNETIC TAPE TEST...9-CHANNEL      |                   | 706417 | B1 |
| MEMO)...530                                | MEMORY DIAGNOSTIC (         | 890744 | B3 | POTTER 3000/3300 PRINTER DIAGNOSTIC...     |                   | 706462 | B3 |
| MEMORY ADAPTER DIAGNOSTIC...8050 EXTERNAL  |                             | 720030 | B1 | POWER FAIL-SAFE TEST...                    |                   | 704140 | B3 |
| MEMORY DIAGNOSTIC (MEMO)...530             |                             | 704449 | B1 | PPR)...PARAMETER PREPARATION ROUTINE (     |                   | 706447 | B3 |
| MEMORY DIAGNOSTIC FOR 8150)...MEDIC 8150 ( |                             | 720030 | B1 | PREC. FORTRAN)...SIU 7915 HANDLER (EXT.    |                   | 705853 | B3 |
| MEMORY DIAGNOSTIC...                       |                             | 705894 | B3 | PREC. FORTRAN)...SIU 7930/31 HANDLER (EXT. |                   | 705855 | B3 |
| MEMORY DIAGNOSTIC...HARDCORE               |                             | 720002 | B1 | PREPARATION ROUTINE (PPR)...PARAMETER      |                   | 706447 | B3 |
| MEMORY DIAGNOSTIC-FAULT LOCATOR...         |                             | 720001 | B1 | PRINTER (ASR/KSR)(16-BIT)...XEROX KEYBOARD |                   | 705652 | B1 |
| MEMORY PROGRAM = MEDIC...                  |                             | 705529 | B3 | PRINTER DIAGNOSTIC PROGRAM...NS LINE       |                   | 720020 | B1 |
| MEMORY PROTECT PROGRAM...                  |                             | 704022 | B3 | PRINTER DIAGNOSTIC...POTTER 3000/3300      |                   | 706462 | B3 |
| MEMORY RANDOM EXERCISOR...MULTIPLE-PORT    |                             | 705528 | B3 | PRINTER PLOT SUBROUTINE...                 |                   | 890712 | B3 |
| MEMORY TESTER...CONTROL PROGRAM FOR E-H    |                             | 705672 | B3 | PRINTER TEST...COMPREHENSIVE LINE          |                   | 706168 | B1 |
| MESSAGE ORIENTED COMM. DEVICE HANDLER...   |                             | 705880 | B3 | PRINTER TEST...KEYBOARD                    |                   | 704015 | B3 |
| MINI TEST...8150                           |                             | 706255 | B3 | PRINTER...2230/2440 LINE                   |                   | 706476 | B3 |
| MOC CONTROLLER 7601 HANDLER...             |                             | 705893 | B3 | PROCEDURAL HANDLER...RBM BSC               |                   | 706149 | B3 |
| MODIFIED 7910/14/22 ANALOG DIAG. PROG....  |                             | 705895 | B3 | PROCEDURAL HANDLER...XEROX DISPLAY STATION |                   | 706254 | B3 |
| MONITOR (BCM)...BASIC CONTROL              |                             | 705382 | B3 | PROCEDURES...FORTRAN LIBRARY               |                   | 705779 | B3 |
| MONITOR (DPM)...DIAGNOSTIC PROGRAM         |                             | 704457 | B3 | PROCESSOR...DPS LOAD AND GO (LAG)          |                   | 720015 | B1 |
| MONITOR (RBM)...XEROX REAL-TIME BATCH      |                             | 705681 | B1 | PROCESSOR...TIME-SHARING                   |                   | 890821 | B3 |
| MONITOR...DIAGNOSTIC PROGRAM               |                             | 705368 | B2 | PROCESSOR...XEROX SATELLITE                |                   | 706491 | B2 |
| MONITOR...DIAGNOSTIC PROGRAM SYSTEM        |                             | 720004 | B1 | PROGRAMMING SYSTEM LIBRARY...DIAGNOSTIC    |                   | 720027 | B1 |
| MULTIPLE-PORT MEMORY RANDOM EXERCISOR...   |                             | 720016 | B1 | PROGRAMS...BCM BACKGROUND DEMONSTRATION    |                   | 704347 | B3 |
| MULTIPLY/DIVIDE INTERRUPT SUBROUTINE...    |                             | 705672 | B3 | PROGRAMS...TELETYPE TERMINAL SIMULATOR     |                   | 706252 | B3 |
| NON-STANDARD BCM COVER...                  |                             | 704511 | B3 | PROTECT PROGRAM...MEMORY                   |                   | 705528 | B3 |
| NS CARD READER DIAGNOSTIC...XEROX 530      |                             | 705847 | B3 | RAD3...530                                 |                   | 720025 | B1 |
| NS CARTRIDGE DISK...530                    |                             | 720037 | B1 | RANDOM EXERCISOR...MULTIPLE-PORT MEMORY    |                   | 705672 | B3 |
| NS LINE PRINTER DIAGNOSTIC PROGRAM...      |                             | 720026 | B1 | RANDOM FILE ROUTINES...BLOCKED             |                   | 890741 | B3 |
| NS MAG TAPE DIAG...XEROX 530               |                             | 720020 | B1 | RAYTHEON RECORDER DEMO PROGRAM...          |                   | 706108 | B3 |
| NUMERICAL SUBROUTINE PACKAGE (COVER)...    |                             | 720019 | B1 | RBM ANALYZE...                             |                   | 706464 | B2 |
| OPTION...EXTENDED ARITHMETIC               |                             | 705546 | B2 | RBM BASIC FORTRAN IV COMPILER...           |                   | 705375 | B3 |
| OPTIONAL DIAGNOSTIC (OPTL)...530           |                             | 705386 | B3 | RBM BASIC FORTRAN IV LIBRARY (COVER)...    |                   | 704525 | B3 |
| OPTIONAL INSTRUCTION DIAGNOSTIC...CPU      |                             | 720029 | B1 | RBM BSC PROCEDURAL HANDLER...              |                   | 706149 | B3 |
| OPTL)...530                                | OPTIONAL DIAGNOSTIC (       | 720012 | B1 | RBM CONCORDANCE...                         |                   | 705374 | B2 |
| ORIENTED COMM. DEVICE HANDLER...MESSAGE    |                             | 720029 | B1 | RBM EXTENDED SYMBOL...                     |                   | 705372 | B2 |
| ORIENTED COMMUNICATION TEST...CHARACTER    |                             | 706255 | B3 | RBM E01 MODIFICATIONS-ASCII TAPE HANDLER.. |                   | 890825 | B3 |
| ORTHOGONAL POLYNOMIALS...LEAST-SQUARES W/  |                             | 704014 | B1 | RBM RAD EDITOR...                          |                   | 705371 | B2 |
| OUT...XGP-                                 |                             | 890814 | B3 | RBM REPLACE...                             |                   | 706275 | B3 |
| PACK BOOTSTRAP SIMULATOR...DISK            |                             | 890903 | B3 | RBM TRACE PROGRAM...                       |                   | 890726 | B3 |
| PAGER...DEMAND                             |                             | 890767 | B3 | RBM UTILITIES SUBSYSTEMS AND DEBUG ROOT... |                   | 705373 | B2 |
| PAPER TAPE DUPLICATOR/VERIFIER...          |                             | 890926 | B3 | RBM...EDIT FOR                             |                   | 891051 | B3 |
| PAPER TAPE READER-PUNCH TEST...            |                             | 706449 | B3 | RRM)...SIGMA 3 TO 1108 REMOTE JOB ENTRY (  |                   | 890704 | B3 |
| PARAMETER PREPARATION ROUTINE (PPR)...     |                             | 704024 | B1 | RBM)...XEROX REAL-TIME BATCH MONITOR (     |                   | 705368 | B2 |
| PERIPHERAL SWITCHING EQUIP. DIAGNOSTIC...  |                             | 706447 | B3 | RBM-16 DATADef...                          |                   | 706501 | B3 |
| PHSORT...                                  |                             | 705266 | B1 | RBM/BCM...SYMBOLIC COMPRESSOR FOR          |                   | 706246 | B3 |
|  |                             | 890742 | B3 | RBM/3 GASP II SIMULATION PROGRAM...        |                   | 890671 | B3 |

## PROGRAM AVAILABILITY LST

| KEY                    | TITLE                                | CAT.NO | CI | KEY                   | TITLE                                 | CAT.NO | CL |
|------------------------|--------------------------------------|--------|----|-----------------------|---------------------------------------|--------|----|
| RCOC)...               | C.O.C. HANDLER (                     | 705719 | B2 | STATISTICAL SYSTEM -  | STATSYS...                            | 890911 | B3 |
| RECON                  | COMPRESSED TO SYMBOLIC CONVERTER...  | 706239 | B3 | STATSYS..             | STATISTICAL SYSTEM -                  | 890911 | B3 |
| RECON S/A              | COMPRESSED TO SYMBOLIC CONVER...     | 706241 | B3 | STD PREC              | FORTRAN)...7910 SIU HANDLER (         | 706116 | B3 |
| RECORDER               | DEMO PROGRAM...RAYTHEON              | 706108 | B3 | STORAGE DISC          | FILE TEST PROGRAM...MASS              | 704320 | B3 |
| REDUCTION              | REPORT GENERATOR...ANALOG            | 705378 | B3 | STORAGE TEST...       | REMOVABLE DISC                        | 705533 | B1 |
| RELOCATABLE            | LOADER...STAND-ALONE                 | 704453 | B3 | STORAGE TEST...       | 7270 EXTENDED DISK                    | 706528 | B1 |
| REMOTE BATCH           | TERMINAL TEST...                     | 705298 | B3 | STRAP AND ABSOLUTE    | LOADER GENERATOR...ROOT               | 705264 | B1 |
| REMOTE JOB             | ENTRY (RCM)...SIGMA 3 TO 1108        | 890705 | B3 | SUBCONTROLLER         | DIAG...7902 EXTENDED DEVICE           | 706172 | B3 |
| REMOTE JOB             | ENTRY (RBM)...SIGMA 3 TO 1108        | 890704 | B3 | SUBSET FOR            | BUS, APPLICATIONS...COMMERCIAL        | 890579 | B3 |
| REMOVABLE              | DISC STORAGE TEST...                 | 705533 | B1 | SUBSYSTEMS AND        | DEBUG ROOT...RBM UTILITIFS            | 705373 | B2 |
| REPLACE...             | RBM                                  | 706275 | B3 | SUPPORT TAPE (SST)... | UNLABELED SOFTWARE                    | 880816 | B2 |
| REPORT                 | GENERATOR...ANALOG REDUCTION         | 705378 | B3 | SWITCHING EQUIP.      | DIAGNOSTIC...PERIPHFRAL               | 705266 | B1 |
| REPORT PROG            | GENERATOR (RPG II)...HONEYWELL       | 706401 | B2 | SYMBIONT              | PLOTTING SYSTEM...                    | 705780 | B2 |
| ROMBUST...             |                                      | 705777 | B3 | SYMBOL                | ASSEMBLER...BCM                       | 704990 | B3 |
| ROMLIST...             |                                      | 890725 | B3 | SYMBOL                | ASSEMBLER...STAND-ALONE               | 704450 | B3 |
| ROUTINES -             | REAL-TIME EXTENSIONS...              | 890697 | B3 | SYMBOL...             | DIAGNOSTIC LOADER-SYMPOL+EXTENDED     | 705299 | B3 |
| ROUTINES...            | BLOCKED RANDOM FILE                  | 890741 | B3 | SYMBOL...             | RRM EXTENDED                          | 705372 | B2 |
| RPG II)...             | HONEYWELL REPORT PROG GENERATOR      | 706401 | B2 | SYMBOL+EXTENDED       | SYMBOL...DIAGNOSTIC LOADER            | 705299 | B3 |
| RUN-TIME...            | BASIC FORTRAN MATH LIBRARY/          | 704454 | B3 | SYMBOLIC              | COMPRESSOR FOR RBM/RCM...             | 706246 | B3 |
| SAFE TEST...           | POWER FAIL-                          | 704140 | B3 | SYMBOLIC              | COMPRESSOR FOR STAND-ALONE...         | 706245 | B3 |
| SATELLITE              | PROCESSOR...XEROX                    | 706491 | B2 | SYMBOLIC              | CONVER...RECON S/A COMPRESSED TO      | 706241 | B3 |
| SAVE PROGRAM...        | SIGMA 2/3 COI/D00                    | 706244 | B3 | SYMBOLIC              | CONVERTER...RECON COMPRESSED TO       | 706239 | B3 |
| SHARING                | PROCESSOR...TIME-                    | 890821 | B3 | SYSLOAD               | PACKAGE...STAND-ALONE                 | 704956 | B3 |
| SIGDAS-                | SIGMA DIGITAL ANALOG SIMULATOR...    | 890710 | B3 | SYSTEMS               | EXERCISER (SYSX)...                   | 720014 | B1 |
| SIGMAS-XDS             | SIGMA 2/3 ASSEMBLER CDC-6400...      | 890670 | B3 | SYSTEMS               | EXERCISER...BRANCH DATA ENTRY         | 720021 | B1 |
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|-----------|---------------------------------------|--------|----|----------------|---------------------------------------|--------|----|
| XEROX     | DISPLAY STATION DIAGNOSTIC PROGRAM..  | 706110 | B3 | 530            | NS CARTRIDGE DISK...                  | 720026 | B1 |
| XEROX     | DISPLAY STATION PROCEDURAL HANDLER..  | 706254 | B3 | 530            | NS MAG TAPE DIAG...XEROX              | 720019 | B1 |
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| XEROX     | REAL-TIME BATCH MONITOR (RBM)...      | 705368 | B2 | 530            | RAD3...                               | 720025 | B1 |
| XEROX     | SATELLITE PROCESSOR...                | 706491 | B2 | 6400           | SIGMAS=XDS SIGMA 2/3 ASSEMBLER CDC=   | 890670 | B3 |
| XEROX     | SOFTWARE HARDWARE TEST (16-BIT)...    | 720010 | B1 | 7270           | EXTENDED DISK STORAGE TEST...         | 706528 | B1 |
| XEROX     | 530 ANS COBOL COMPILER...             | 706500 | B2 | 7580           | GRAPHIC DISPLAY DIAGNOSTIC...         | 706262 | B3 |
| XEROX     | 530 DISK SORT...                      | 706257 | B2 | 7601           | HANDLER...MOC CONTROLLER              | 705895 | B3 |
| XEROX     | 530 NS CARD READER DIAGNOSTIC...      | 720037 | B1 | 7902           | EXTENDED DEVICE SUBCONTROLLER DIAG... | 706172 | B3 |
| XEROX     | 530 NS MAG TAPE DIAG...               | 720019 | B1 | 7907           | CLOSED LOOP DIAGNOSTIC...             | 706468 | B3 |
| XGP       | = VAR...                              | 890961 | B3 | 7908           | CLOSED LOOP DIAGNOSTIC...             | 706470 | B3 |
| XGP       | OUT...                                | 890903 | B3 | 7910           | SIU HANDLER (EXT.PREC.FORTRAN)...     | 706115 | B3 |
| XPS       | 97 DIAGNOSTICS FOR SIGMA 3...         | 706109 | B3 | 7910           | SIU HANDLER (STD.PREC.FORTRAN)...     | 706116 | B3 |
| XPS       | 97 DIAGNOSTIC...TMS09R/               | 706451 | B3 | 7910/14/15     | SIU DIAGNOSTIC PROGRAM...             | 704235 | B3 |
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| X530      | DIAG. PROGRAM LIBRARY...XEROX COIN-   | 720022 | B3 | 7915           | HANDLER (EXT. PREC. FORTRAN)...SIU    | 705853 | B3 |
| X530      | ALPHA-LSI II LINK DEMONSTRATION...    | 706519 | B3 | 7915/ADS-10    | SIU DIAGNOSTIC...                     | 705892 | B3 |
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| 1108      | REMOTE JOB ENTRY (RBM)...SIGMA 3 TO   | 890704 | B3 | 7923           | SIU HANDLER (FORTRAN)...              | 705898 | B3 |
| 2230/2440 | LINE PRINTER...                       | 706476 | B3 | 7923/28/29     | SIU DIAGNOSTIC PROGRAM...             | 705388 | B3 |
| 2440      | LINE PRINTER...2230/                  | 706476 | B3 | 7929           | SIU HANDLER (EXT.PREC.FORTRAN)...     | 706171 | B3 |
| 3000/3300 | PRINTER DIAGNOSTIC...POTTER           | 706462 | B3 | 7930/31        | HANDLER (EXT. PREC. FORTRAN)...SIU    | 705855 | B3 |
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| 530       | INTERRUPT DIAGNOSTIC (INTR)...        | 720031 | B1 | 8150           | (MEMORY DIAGNOSTIC FOR 8150)...MEDIC  | 705894 | B3 |
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# Appendix

## HOW TO SUBMIT APPLICATIONS TO THE ARI

To submit products to the Application Reference Index use the form that follows. Submit one application per form. Either make a copy of the form for each additional application or contact the ARI Support Group for additional forms.

The ARI program works as follows:

1. You send the completed one-page ARI submission form to Honeywell at the address shown on the form. There is no charge for listing.
2. Honeywell sends you an acknowledgment and a copy of its booklet containing marketing advice, documentation guidelines, contract considerations, and copyright protection.
3. Honeywell then advertises your product in this catalog.
4. ARI contributors, Honeywell customers, and prospects receive copies of the catalog.
5. If you are interested in a specific application, contact Honeywell's ARI Support Group, who in turn puts the supplier in touch with you.
6. You conduct your own negotiations independent of Honeywell.
7. Upon sale or rental of the program, a nominal fee is payable to Honeywell by the supplier.

Software offered without charge through ARI is welcomed and is advertised by Honeywell as a service to the user community.

For further information, contact: ARI Support Group:  
(617) 890-8400, Ext. 2825.

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SUBMISSION FORM**

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**Submitter:**

Company: \_\_\_\_\_ Industry: \_\_\_\_\_  
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Telephone: \_\_\_\_\_ Contact: \_\_\_\_\_  
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**APPLICATION**

Name \_\_\_\_\_ Date Operational \_\_\_\_\_

\*Description \_\_\_\_\_  
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Number of Users \_\_\_\_\_ Source Language \_\_\_\_\_  
Operating System \_\_\_\_\_ No. of Programs \_\_\_\_\_

Usage Cycle      \_\_\_\_\_ Daily                      \_\_\_\_\_ Weekly                      \_\_\_\_\_ Monthly

Online \_\_\_\_\_ Batch \_\_\_\_\_

\*Brief description of product and listing of major features and capabilities.

Cut Along Line

**MINIMUM CONFIGURATION REQUIRED:**

Series: \_\_\_\_\_ Model: \_\_\_\_\_ Memory: \_\_\_\_\_ Disk(s): \_\_\_\_\_

Type: \_\_\_\_\_ Tape(s): \_\_\_\_\_

Other Hardware: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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