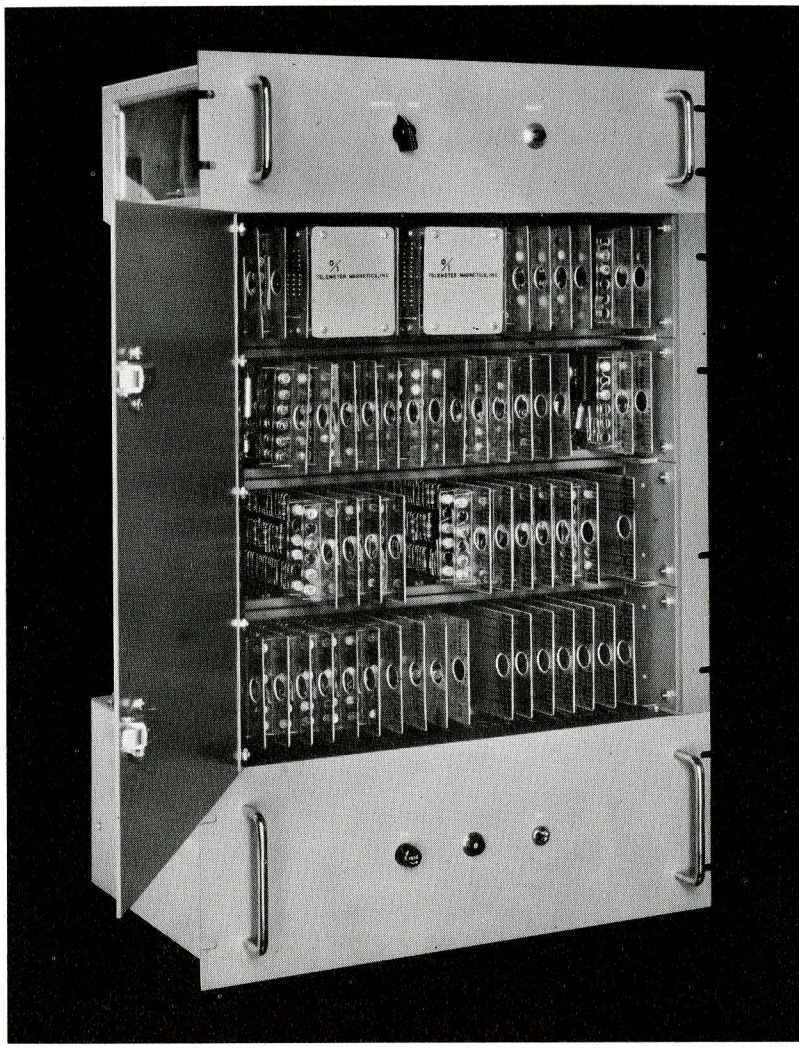
new

MULTIFARIOUS* CORE STORAGE UNIT



A series of revolutionary random access data storage units is now available from Telemeter Magnetics, Inc., the leading independent manufacturer of data equipment. These memory-buffer units offer addressable random access, sequential access, or a combination of both as desired.

These memories, designated SERIES RB random access buffer units, offer a combination of features not previously realized.

- **VARIABLE INPUT/OUTPUT**
  Will accept pulses or levels of either polarity and input may be changed during operation. Output is equally versatile. Accepts and emits single-ended or double-ended information.
- **ENVIRONMENT**
  Reliable operation between 0° and 55°C. Unaffected by humidity.
- **LOW COST**
  SERIES RB random access storage units are priced below most memory units designed to do only a portion of the job these memories will handle.

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We don't mean to be pedantic, but this is the only word that even begins to describe the new series of TMI auxiliary memories. As Webster puts it "having great diversity; manifold."

Applications for SERIES RB random access storage units are manifold, and their versatility provides much diversity of use. So much for semantics. Meanwhile, back in Engineering—

FEATURES:

- **HIGH SPEED**
  200 kc operating rate
- **LONG TERM RELIABILITY**
  Solid state active elements
  Conservative derating of components
  Advanced design and manufacturing techniques
- **WIDE RANGE OF CAPACITIES**
  from 256 to 1024 words of from 4 to 20 bits per word
- **RANDOM OR SEQUENTIAL ACCESS**
  Addressable storage registers for regenerative read/write or buffer operation in a sequential nonregenerative mode.
- **BINARY OR DECIMAL**
  Either binary or binary coded decimal addressing.

0/1 TELEMETER MAGNETICS *Inc.*

2245 PONTIUS AVENUE, LOS ANGELES 64, CALIFORNIA

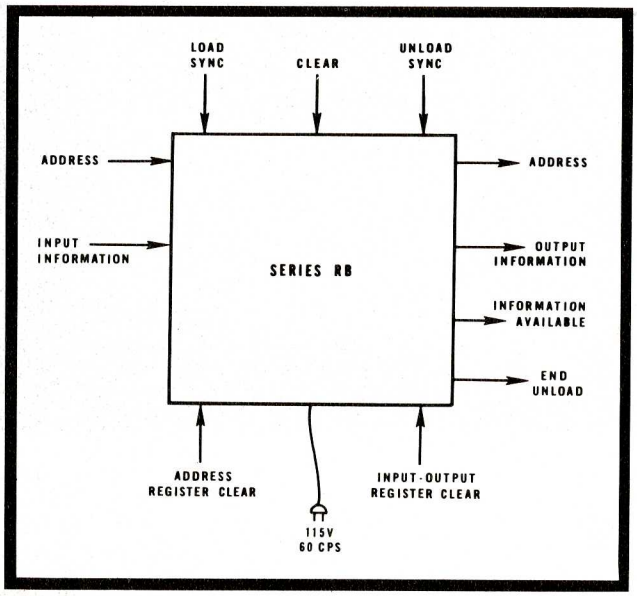
MANUFACTURERS OF CORES, ARRAYS, CORE STORAGE BUFFERS, MEMORIES, & DATA HANDLING SYSTEMS

APPLICATION VERSATILITY

The range of applications for which SERIES RB memories are suitable is almost unlimited. Because of their versatility and the variety of configurations available, these units can be used in any application requiring intermediate high speed storage and flexible input/output capabilities.

- Data editing and format revision
- Multiplexing of data from several sources
- Random access storage with scanned sequential output
- Sequential load with random output selection
- Random access memory
- Sequential load and unload buffer

SIGNIFICANT CHARACTERISTICS



- **CAPACITY**
  Any number of words from 256 to 1024 with choice of word sizes from 8 to 20 bits per word.
- **SPEED**
  Load or unload a word (all bits in parallel) in 5 microseconds. Random access with regenerative storage—complete cycle in 10 microseconds.
- **OPERATING MODE**
  Sequential loading and unloading. Random access addressing for loading and unloading or regenerative read/write. Operations can be intermixed in any manner desired without loss of speed.
- **CONTROL LEVELS AND SIGNALS**
  Input and output levels may be single ended or double ended and a ONE may be represented by −5 or +5 volts as desired.
  Input pulses must rise to between +2 and +10 volts from a quiescent level of −5 volts. Rise time between 0.2 and 1.0 microsecond.
  Output pulses rise to +5 volts from a quiescent level of −5 volts. At the top of the pulse 25 ma are available. Reference levels of ±5 volts are available at the output of the unit.
- **CLEARING**
  Electronic clearing is provided and address register may be cleared to the all ONE or all ZERO state.
- **POWER REQUIRED**
  Nominal 115 volts, 60 cps, less than 250 watts. Satisfactory operation is obtained from supply voltages between 100 and 130 volts.
- **DIMENSIONS**
  Size depends on capacity. Largest SERIES RB unit is approximately 30 inches high by 14 inches deep. All units are supplied for relay rack mounting.

OTHER TMI PRODUCTS

In Addition to the SERIES RB random access buffers, Telemeter Magnetics manufactures a wide variety of data equipment. More than 20 models of sequential and conversion buffers are available to suit any application requiring synchronization of data systems. TMI also produces a full line of modular transistorized computer memories; ferrite cores and arrays; and offers a wealth of experience in the design and manufacture of special purpose data handling systems.