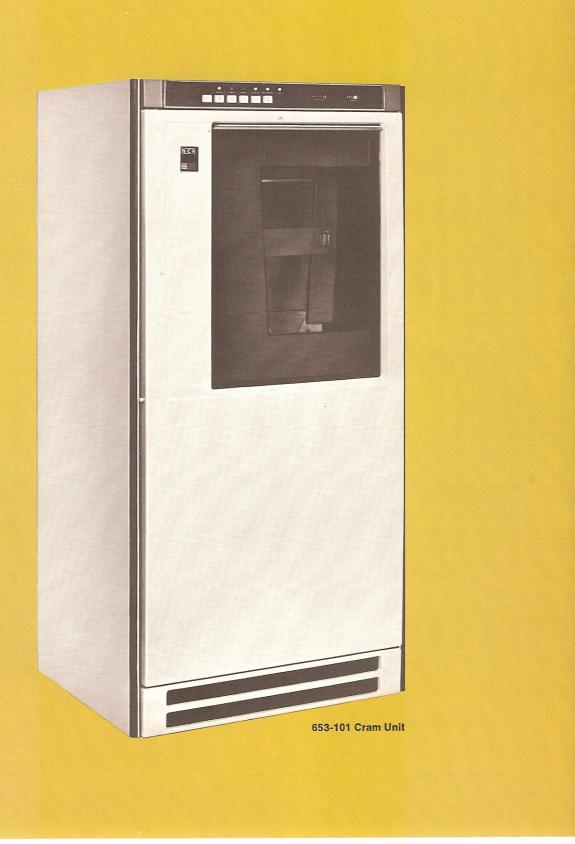
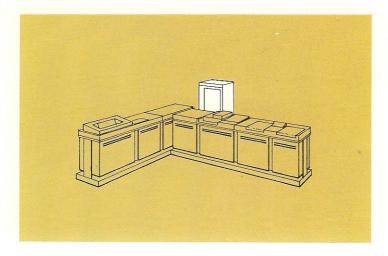
CRAM card random access memory





The fourth generation card random access memory (CRAM) units were developed to meet the requirements of real-time processing. Some outstanding features of CRAM include:

- Rapid random access to large centralized files.
- Low cost per character of storage.
- Removable file media for historical and security purposes.
- Sequential processing for producing copies and generating reports.

Each CRAM unit stores 124 million bytes of information; one controller operates up to 8 CRAM units. The application requirements determine the number of controllers that the system can handle.

NCR CRAM has the right combination of capacity speed, cost, reliability—for business mass randomaccess files.

653-101 CRAM UNIT

- Common trunk peripheral through use of 623-201 controller
- Data transfer rate 71,250 characters per second
- Recording density 1500 bits per inch
- Method of recording: phase modulated
- Drop time 90-125 milliseconds
- Average reaccess time 23 milliseconds
- 144 tracks per card
- 384 cards per cartridge
- · Capacity: 124 million bytes
- 36 track heads—movable to 4 positions
- Head movement time less than 1 drum revolution (approx. 40 milliseconds)
- Head positioning shared with drop, return and load shared with drop
- Programmable functions: Select, card drop, card release, read write, drop read, drop write
- Error check: Read after write
- Data transfer and programmable functions under control of 623-201 controller
- Maximum of 8 units per controller