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## The NCR Century Series

**A new family of computers offers low cost data processing as a valuable management and operating tool.**

NCR announces a new family of computers. The NCR Century Series represents a new chapter in electronic data processing. It incorporates the most modern technological developments and was designed to provide your business with a computer of outstanding price/performance ratio.

The purpose of electronic data processing is to operate your business more efficiently and effectively. The job of a NCR Century computer is to provide management with the analyses and reports necessary for intelligent decisions in a rapidly changing world; to perform conventional accounting functions at electronic speeds, and to help make the most efficient use of corporate assets for improved return-on-investment.

The NCR Century Series will meet your requirements today and tomorrow because it's a compatible family of computers. You can increase capacity and power as your needs change.

All members of the family take advantage of great advancements in computer technology. Their internal memories utilize thin film, short rods. This type of memory operates in the 800 nanosecond range. Yet this ultra-fast memory is lower in cost than slower, conventional core memory. This is due to automated manufacturing techniques. Monolithic integrated logic circuitry is used throughout the NCR Century components. This new generation of super circuits are as powerful as conventional or hybrid types used in the past, yet only a fraction of the size. A single circuit is used throughout the system. This universal type is arranged in only six different patterns to make up 80% of all logic circuitry in the NCR Century. This standardization achieves a high degree of operating reliability at greatly reduced cost.

An important standard feature of all NCR Century computers is the dual spindle disc unit available on the smallest NCR Computers. It breaks the price barrier in providing efficient magnetic file processing and low cost storage capability.





**Meet the NCR CENTURY 100.**

**A powerful magnetic file  
computer at a minimum cost.**

Here's a member of the NCR Century Series that can put your business into the computer revolution directly from a manual or mechanical system at a cost much lower than you ever expected. And you can do it without the intermediate step of a punched card system.

The central processor of the NCR Century 100 offers 16,384 or 32,768 eight-bit characters of ultra-fast internal thin film memory. This powerful, low cost computer offers many features usually reserved for larger systems, such as 63 index registers. Three-way simultaneity is standard. This means the NCR Century 100 can perform functions such as reading and printing at the same time that program steps are being executed internally.

All the advantages of an efficient magnetic file system—up to now the monopoly of higher priced computers—are standard on the NCR Century 100—the lowest cost computer of the new NCR family. This is made possible because of the integrated dual spindle disc unit. Each one of these units stores and makes instantly available over 8.3 million characters of business data. This is equal to 100,000 fully punched 80-column cards. These same disc units provide on-line random processing or sequential processing. The application determines the method.

The NCR Century 100 has as standard equipment every component you need for a complete electronic data processing system. Input is through a punched card or punched tape reader. File storage is provided by the dual spindle magnetic discs. Output line printing ranges from 450 to 900 lines per minute. It's all there in a neat compact package. Easy to install, low in cost and easy to operate. You couldn't ask for more.

That's not all. It's an expandable computer, too. There's a large selection of peripheral units that extend the versatility of your system. They include magnetic tape units, additional punched card or punched tape equipment, MICR sorter/readers, optical journal readers, Card Random Access Memory (CRAM) units and additional disc units.











The full significance of a family of computers becomes apparent when you meet the NCR Century 200. Compatibility is the key word. More specifically—"upward compatibility."

The NCR Century 200 offers more power and more capacity. Yet you can move up to this larger computer without reprogramming or even recompiling any of your NCR Century 100 programs. No need to start all over again just because your data processing requirements have grown; a real guarantee of compatible and systematic growth.

This larger member of the family offers internal memory sizes up to 524,288 characters (future members will offer one million character memories). In addition to real-time capabilities, the NCR Century 200 offers up to nine-way simultaneity. A number of programs can be run at the same time taking maximum advantage of the NCR Century's outstanding multi-programming and computing power.

The basic system includes a processor, 32,768 characters of memory, a card or tape input unit, a 3000 line per minute printer and a dual spindle disc. Every NCR Century component has been designed from the floor up by NCR engineers. All include many technological innovations. For instance, the 200's printer has a changeable type line that swings away for quick easy loading.

And like all NCR Century computers, the 200 is modular and expandable. You can increase memory size and attach additional disc units. You can expand magnetic file storage by adding magnetic tape handlers. You can put a mass of data in magnetic files and make it available on a random access basis with new Card Random Access Memory (CRAM) units. Other peripheral units include MICR sorter/readers, optical journal readers, various on-line devices, high-speed punch card and punch tape equipment and many others.

**Meet the NCR CENTURY 200.**

**Stay in the same family and  
step up to more power and capacity.**

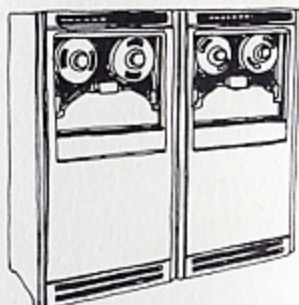


A complete line of freestanding peripheral units provides the NCR Century Series with the expansibility and versatility you want in a computer system. Look over our wide variety of peripherals and learn why there's an NCR system for you. No matter what type of application concerns you . . . from retailing to banking, from wholesaling to manufacturing, from government to science.



#### Dual Disc Unit

A magnetic file device with random access capabilities. Transfer rates of 108 kc and 180 kc. Contains two disc packs, each with its own ultra-fast access read-write unit. The disc packs may be independently mounted or removed.

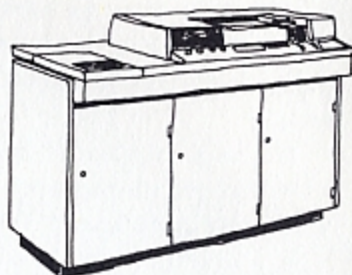


#### Magnetic Tape Handler

Wide variety of performance ranges available with NCR Century Series computers. Transfer rates available from 10 to 240 kc with 7 and 9 channel tape.



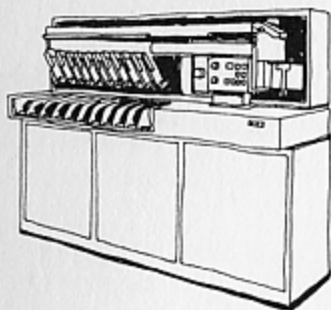
**CRAM . . . Card Random Access Memory** For mass storage of business data. Makes data readily available on a random basis. Each unit stores over 125 million characters of information.



#### Optical Journal Reader

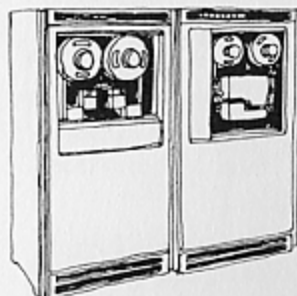
Optically reads journal tapes printed by NCR cash registers, accounting machines and adding machines. Allows generation of data at the source as a by-product of other transactions—ready for input to the computer system. These readers scan up to 52 lines per second and operate with any member of the NCR Century Series.





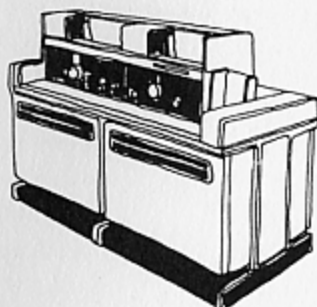
#### **MICR Sorter/Reader**

Reads characters magnetically imprinted on original documents. Allows source documents to be input to the computer. Used as an on- or off-line device. Reads and sorts 600 documents per minute. Other models to 1200 documents per minute.



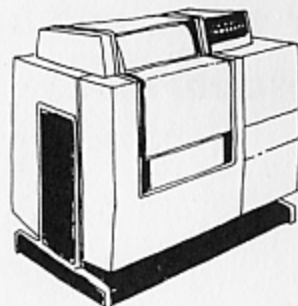
#### **Punched Tape Input and Output**

Increase input/output versatility of your NCR Century computer with punched tape. Photoelectric reading at 1500 characters per second. Five, seven, or eight channel, in any code.



#### **Punched Card Input and Output**

Free-standing units available with NCR Century Series computers. Read and punch in the same card. Process 51-, 60-, 66- and 80-column cards.



#### **High Speed Line Printers**

A range of printers with speeds to meet your requirements. Print up to 1500 alphanumeric or 3000 numeric lines per minute. 132- or 160-column print. A multi-tape lister prints and advances six tapes at 2000 lines per minute.



#### **Remote On-Line Devices**

Real-time processing. NCR offers finger tip control with data display systems (CRT), on-line bank consoles, teletypes, magnetic tape encoders, remote printers, and others.



**A versatile computer  
for your line of business.  
With the delivery of the  
NCR CENTURY there will be  
ready-to-go software.**

NCR extensive implementing and operating software, available with the installation of your NCR Century computer, will get your programs on the air faster and greatly simplifies the day-to-day work of the computer. No other computer in the same price range as the NCR Century makes use of such sophisticated software concepts.

Our new NEAT/3 compiler is a programming language with built-in simplicity. For the NCR Century computer user, this language incorporates not only simple English instructions, but powerful tools which enable the computer to generate its own program. Complex reports can be prepared as the result of a simple questionnaire form that the programmer fills out in a matter of minutes. Complicated logic and coding is eliminated because powerful, flexible procedural instructions and pre-programmed major computer functions are combined in one language.

Less time is needed to check out NEAT/3 programs. Since major functions are pre-programmed, there is less opportunity for errors. COBOL & Fortran compilers are included in the software plans for the NCR Century Series.

Experienced computer operators will appreciate the completeness of NCR's operating system which includes such features as a special monitor section, I/O executive, data traffic controller and automatic system log sections. The monitor section for instance can schedule your NCR Century computer's operation. Programs are loaded and automatically executed in desired sequence based on priority, date or special conditions. This reduces operator intervention to a minimum.

Many common and specialized applied programs are being developed with the aim of providing effective profit-producing results.

And the NCR Century computer, like all NCR products, is backed up by a highly trained, world-wide staff of systems and service personnel. They're ready to make sure your NCR Century system operates at its peak efficiency.

You will want to learn more about the new NCR Century Series and how technological breakthroughs offer you a computer system with the best price/performance ratio in the industry. Call your NCR representative today.

**NCR**