

IBM

**PREMIERE  
OF  
PRODUCTS**

*Donald E. McBrien*

An IBM presentation . . . featuring the latest additions  
to IBM's balanced line of data processing products

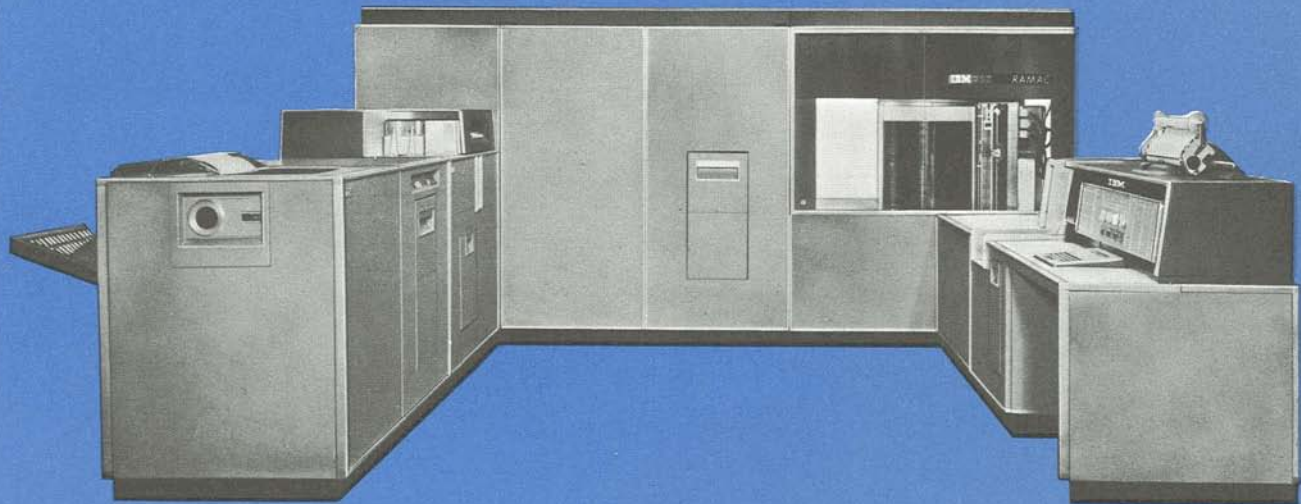
BALANCED DATA PROCESSING



NOW—

Increased Processing Speed for the RAMAC® 305

Up to — and above — 20% savings in processing time

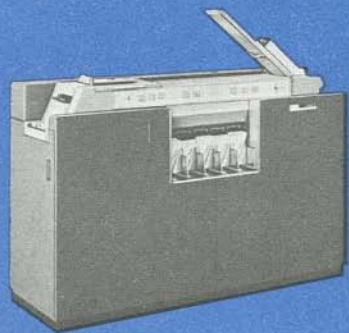


The outstanding abilities of IBM's "in-line" processing system are further enhanced by the addition of Increased Processing Speed. With this special feature, RAMAC 305 users can obtain savings up to and above 20% in processing time.

This feature reduces the time required to transfer data between drum tracks from a maximum of 30 to a minimum of 10 milliseconds, depending on the type of instruction and the length of the data.

And, Increased Processing Speed makes possible faster printing from the 407 on-line, up to the maximum of 150 lines per minute.

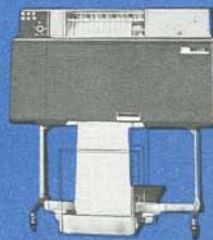
IBM 1401 Data Processing Systems  
A new concept in data processing —  
stored programming at truly low cost!



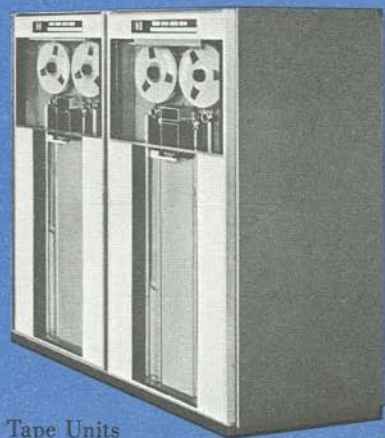
Card Read Punch



Processing Unit



Printer



Tape Units

The IBM 1401 is composed of the following units:

1401 Processing Unit — houses core storage (1400, 2000, or 4000 positions) and the console; performs all arithmetical, logical, and input/output control functions.

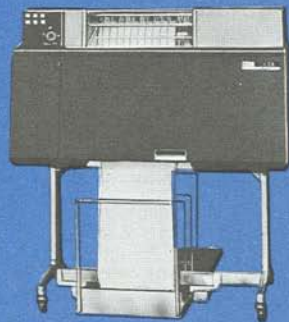
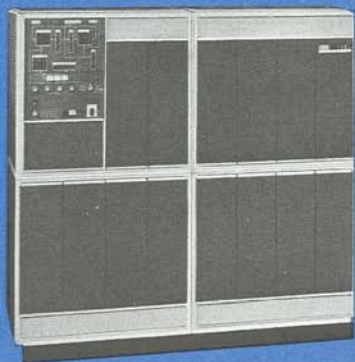
1402 Card Read Punch—reads up to 800 cards per minute; punches up to 250 cards per minute.

1403 Printer—prints at a maximum of 600 lines per minute. Printed output is completely alphameric in all 100 (or 132) positions.

Tape Units—up to six magnetic tape units (729 II or IV) can be attached.

## The IBM 1401 Card System

Punched card users may choose from two models of the IBM 1401 Card System. The unique power of the system is seen in its ability to perform—not only the same operations done by a combination of accounting machine, summary punch, and calculator, at far greater speed—but much more!



The IBM 1401 provides powerful print edit ability. Under the control of the stored program, output data is assembled in core storage, edited (dollar signs, decimal points, other characters, are inserted) and arranged in the printing order desired.

In addition, the 1401 Card System offers:

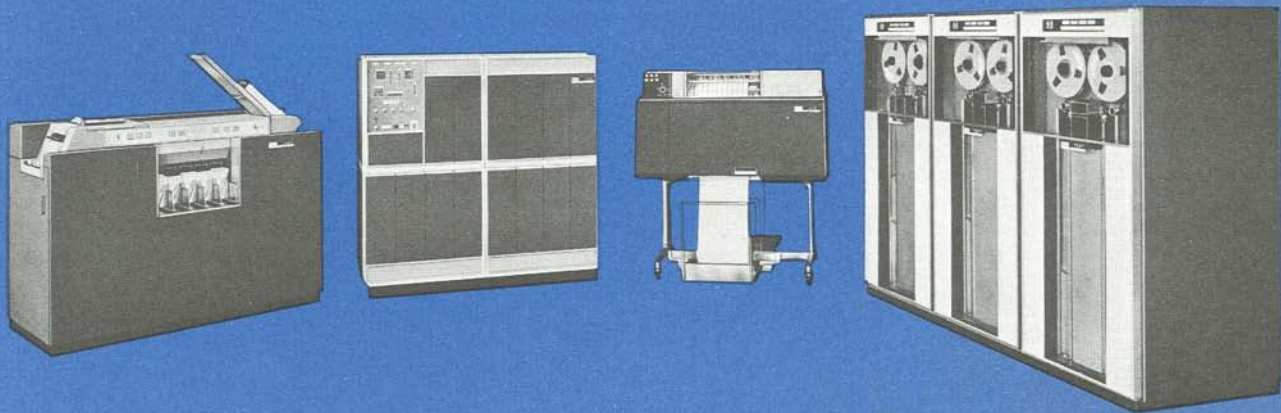
- high speed document writing
- variable word length
- faster internal processing speeds
- completely alphameric print positions
- simple, easy-to-learn programming

Today you saw a Stock Status Report being prepared on the 1401 Card System. But whatever the report you may need, the 1401 will produce it legibly, accurately — and rapidly.



## The IBM 1401 Tape System

With the addition of as many as six tape units, the 1401 becomes a magnetic tape system ideal for handling large volumes of work at high input and output speeds.



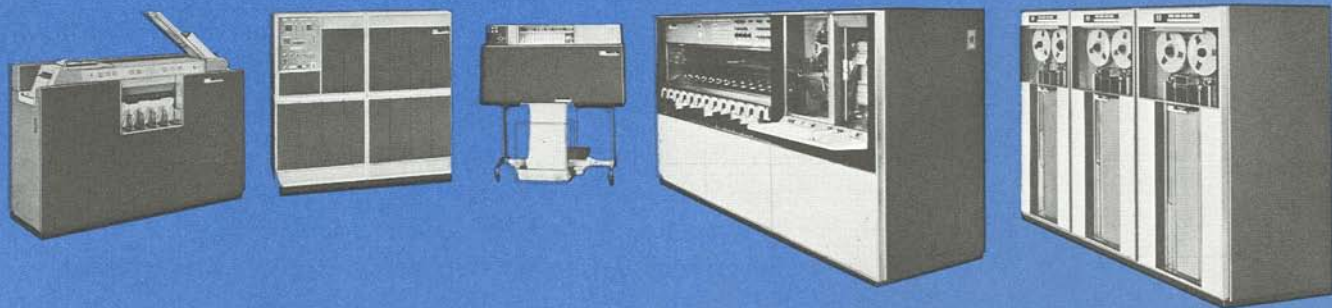
The IBM 1401 provides powerful print edit ability. Under the control of the stored program, output data is assembled in core storage, edited (dollar signs, decimal points, other characters, are inserted) and arranged in the printing order desired.

In addition, the 1401 Magnetic Tape System offers:

- high speed document writing
- variable word length
- faster internal processing speeds
- 132 completely alphameric print positions
- simple, easy-to-learn programming

Tape users will realize savings in storage requirements, too. One tape reel will store the equivalent of 129,000 eighty-column cards. All these features combine to make the 1401 Magnetic Tape System the most compact, complete, and powerful tape system available at such a modest cost.

Of special interest to the Banking Industry:  
IBM 1401 Data Processing System with  
Series 1200 Character Sensing Equipment



The continuing effort at IBM to satisfy the data processing needs of special industries resulted recently in the announcement of the IBM Series 1200 Character Sensing Equipment, a fully automatic method of processing checks, deposit slips, and other paper documents. In its use of Arabic characters printed in machine-readable magnetic ink, the Series 1200 incorporates the recommendations of the American Bankers Association.

Heart of this automatic check-handling system is the 1210 Sorter Reader. In a single unit, it performs the dual functions of sorting (up to 900 checks per minute) and reading intermixed randomized documents for input into IBM data processing systems.

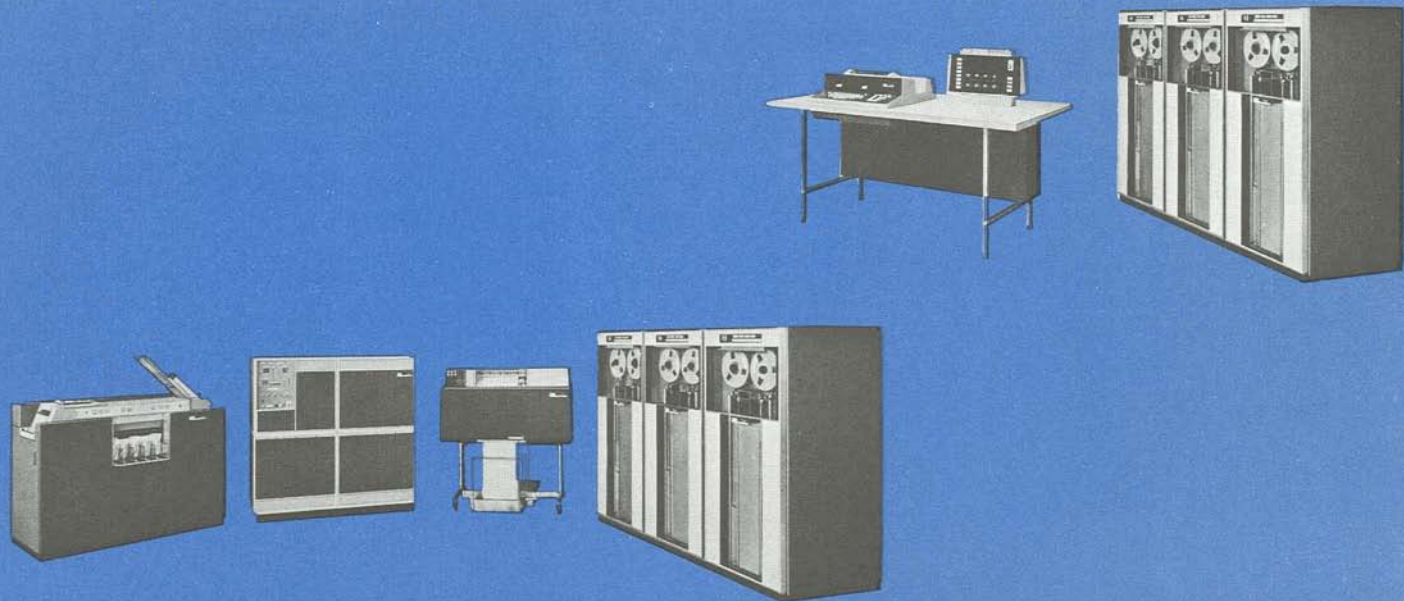
Among the systems with which Series 1200 may be coupled for fast, accurate and economical handling of the large volume of daily bank transactions are the IBM 1401 Data Processing Systems—either the Card System or the Tape System.

Both the 1401 Card and 1401 Tape Systems are capable of performing all necessary functions of demand deposit accounting. Completely stored-programmed, they can:

- list data from cards, or tape
- read data from cards (up to 800 per minute)
- produce new or updated data on cards, or tape
- perform all arithmetic functions and data rearrangement

And typical of IBM's "building block" principle, these systems may be easily expanded to handle increasing volumes of work.

IBM 7070—1401 Balanced Data Processing Systems  
The 7070—1401 combination brings super-fast  
processing, balanced by high card input, output,  
and remarkably swift document production.  
New low job cost, new low systems cost.



The 7070 — a tape oriented, solid state data processing system:

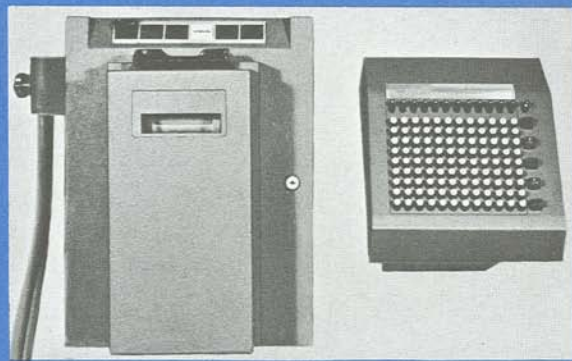
- Input and output speeds, up to 62,500 characters per second
- More data processed in less time
- Lower data unit cost
- More efficient utilization of the tremendous processing capacity of the 7070
- A new photo-electric console card reader for easy introduction of program changes

The 1401 Data Processing System for independent or balanced systems operation:

- 800 cards per minute input, for card to tape operations, or auxiliary data processing
- 250 cards per minute output for tape to card operations
- An independent central processing unit, ideal for supplementing the processing capacity of the 7070
- An immensely powerful tape edit system for fast rearrangement of tape data before printing
- Remarkably swift document production on the 600 line per minute printer\*

\*This means 600 printed lines per minute. Spacing and skipping are much faster.

The IBM 357 Data Collection System  
bringing you all the facts — when you need them



The soundest decisions are those based on information which is both current and immediately accessible. With the IBM 357 Data Collection System, plant executives can have — at any time — all the facts they need for making informed decisions.

Card readers are installed in strategic locations throughout the plant. When cards are fed into the readers, the information is punched automatically at a central location, and then compiled for processing into detailed production reports.

The results:

- management is kept fully informed of production status throughout the plant
- the flow of paper work is substantially reduced
- greater efficiency is realized in meeting production schedules, in handling inventory, and in the employment of manpower.



October 5, 1959

*To Our Guests:*

*Thank you for giving us the opportunity to show you the newest in IBM data processing systems. What you have seen demonstrated today via closed circuit television constitutes the answers to demands for ever faster, more efficient data processing tools.*

*As a souvenir of today's "television first," this booklet summarizes the salient features of IBM's newly announced products. We are confident that among these products you will find the particular solution to your own business requirements.*

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All the IBM products described in this booklet are available through lease, purchase, or lease-purchase option. For further information, contact the IBM branch office in your community, or:

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