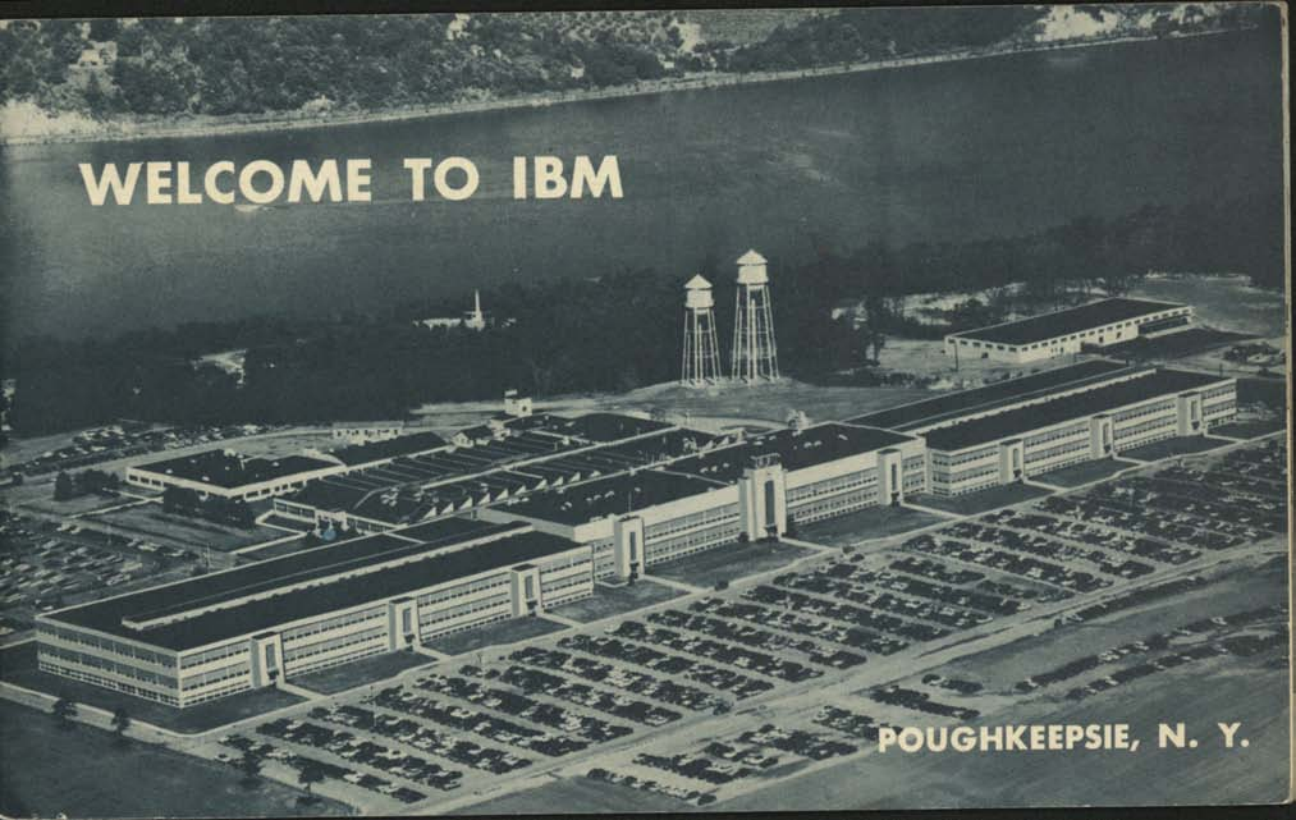
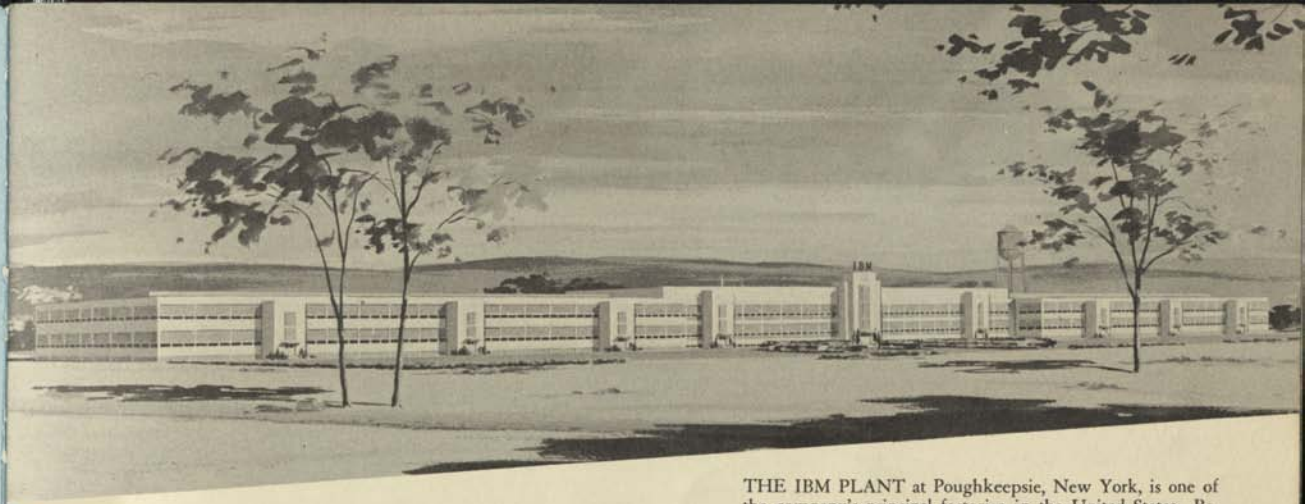

WELCOME TO IBM
POUGHKEEPSIE, N. Y.

Thomas J. Watson, Jr. Thomas J. Watson, Sr.

"Behind every worthwhile endeavor there are usually two things: an idea and a personality."

In the years that IBM has been a part of this Community, the ideas and personalities of first one, and now two men have sustained this great industrial endeavor.



THE IBM PLANT at Poughkeepsie, New York, is one of the company's principal factories in the United States. Beginning with 44,000 square feet of floor space in 1941, the Poughkeepsie plant has grown steadily to its present size of 1,200,000 square feet of manufacturing floor area. The plant now produces defense materials as well as IBM electric typewriters, accounting machines, electronic data-processing machines, and proof machines.

PLANTS

IBM MANUFACTURES electronic and electric accounting machines, statistical, computing, and time equipment, as well as electric typewriters. Over 1,400 models of more than 400 types of IBM machines are used in nearly every kind of business, industry, institution, and government agency.

These products are distributed to users through IBM's 189 branch sales offices throughout the nation; service is available at more than 400 locations. IBM, through its subsidiary, the IBM World Trade Corporation, does business in 79 countries of the world.

Though IBM products differ in function, all are alike in one way; they save time for the businessman. Delivery of any IBM equipment marks the beginning — not the end — of our customer relationship. For along with the equipment, IBM provides — on a continuing basis — for its maintenance, instruction of operators and supervisory personnel, information on new applications — all the things, in fact, that help the customer obtain maximum value from his IBM equipment.

Endicott, N. Y.

Greencastle, Ind.

Washington, D. C.

San Jose, Cal.

Kingston, N. Y.

MANUFACTURING

Electronic calculators are assembled into final form and rigidly tested for accurate performance.

On this assembly line, more than 2400 parts are put together to complete each IBM electric typewriter.

MANUFACTURING operations and facilities at the Plant are numerous and varied. Those shown here are representative.

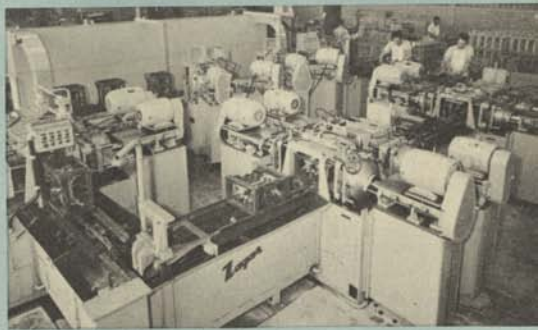
Manufacturing begins with planning and obtaining the tools, continues with machining and processing of parts, and proceeds to assembly of small units and then complete machines. Quality and precision in all operations are aided by the most up-to-date equipment and facilities.

A final operations inspection on all products insures proper performance after each machine has been completed.

IBM products are precision-built. This IBM impression indicator is used to check the quality of typewriting.

Many technical skills contribute to the final assembly of Electronic Data-Processing Machines.

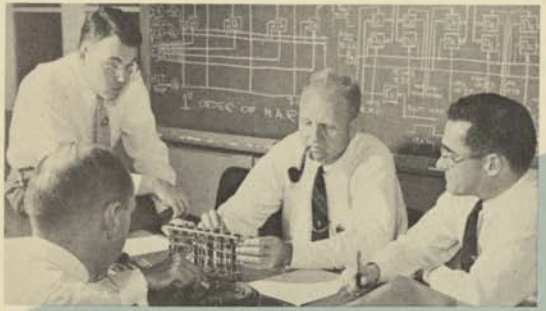
IBM uses its accounting machines for production control, accounting, and other factory record-keeping.



Typical of the modern equipment used to manufacture IBM machines is this automatic multiple drilling machine.

RESEARCH

IBM LABORATORIES hum with the activity of scientists constantly exploring new techniques, new theories — pioneering developments with practical business applications. The Research Laboratory at Poughkeepsie centralizes all of those activities at that location. Other IBM laboratories are located at Endicott, New York, and San Jose, California. Much of IBM's current laboratory research is devoted to electronics and the newer components such as transistors, magnetic tape, and drums. These have already increased the scope of modern business machines. But the range of our scientists' research is almost unlimited. Its sole objective is the most efficient and effective business machines that can be produced.



A meeting of the minds

A new type style in the making.

Trying out a new idea.

EMPLOYEES

MORE THAN 8600 employees at the Poughkeepsie factory and laboratory bring many skills to the development and manufacture of IBM products. Through an annually elected advisory board, they cooperate actively in special programs and coordinate employee participation in community activities.

The IBM suggestion program gives each employee an opportunity to submit ideas for which he may receive both recognition and cash awards.

Safe operation is always stressed. Through constant effort and liberal provision of safety and protective devices, IBM has established an enviable safety record.

All employee benefit plans are non-contributory and paid for entirely by IBM. They include vacations, life insurance, retirement pay, sickness and accident pay, family hospitalization, and many others.

IBM employees not only contribute to the Red Cross blood bank, but also maintain a special IBM blood bank.

Safety glasses for eye protection are supplied to all employees working in or near hazardous areas.

THE IBM COUNTRY CLUB is a popular recreation center for employees and their families. Located amid approximately 400 acres of the gently rolling countryside typical of the Hudson River highlands, the original clubhouse was dedicated in September, 1946. Addition of a Field House in 1951 brought the total building area to approximately 49,000 square feet. The Country Club is governed and operated by IBM employees.

Country Club and Field House

Swimming Pool

One of the 18 holes on the golf course

Gymnasium

IBM PRODUCTS
Electronic Data Processing Machines

THIS MODERN Electronic Data Processing Machine installation, located at the IBM Plant here in Poughkeepsie, is typical of many such installations in industries throughout the nation.

The Type 702 shown here was developed after intensive study of the requirements of IBM's commercial customers. Each step in its design was carefully planned not only from an engineering and production point of view, but from the standpoint of the ultimate user as well.

The objective of electronic data-processing machines is to carry the processing of business records from raw data to complete and final reports in one continuous operation. These machines provide for rapid entry of voluminous data, for storing the instructions which will carry the processing to completion, and for output of comprehensive reports and detailed records.

Punched Card Accounting Machines

IBM ACCOUNTING provides current accounting and statistical information in any form best suited to the needs of management. This may be analyses, sales records, inventory reports, production records, invoices, checks, or many other documents. For management, this outstanding characteristic is a powerful tool in the effective direction and control of operations.

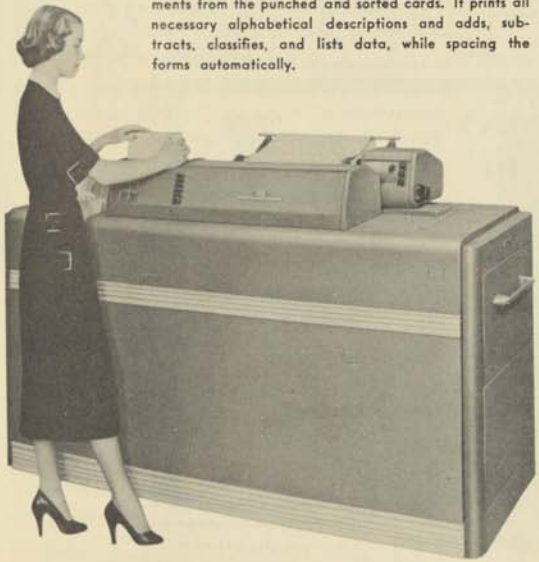
Basic to this method of accounting is the IBM card. When information is "punched" into it, the card, used with high-speed electronic and electric machines, becomes a highly versatile instrument. Together, cards and machines give an almost infinite variety of accounting records requiring different handling of the same data.

All of the punched card accounting machines shown here are manufactured in Poughkeepsie except the Type 407, which is made in Endicott.

BRIEFLY described on the following pages are IBM products and services. Not all products are included, and the emphasis is on those products manufactured at Poughkeepsie. The units which are shown are typical of the whole range of IBM equipment.

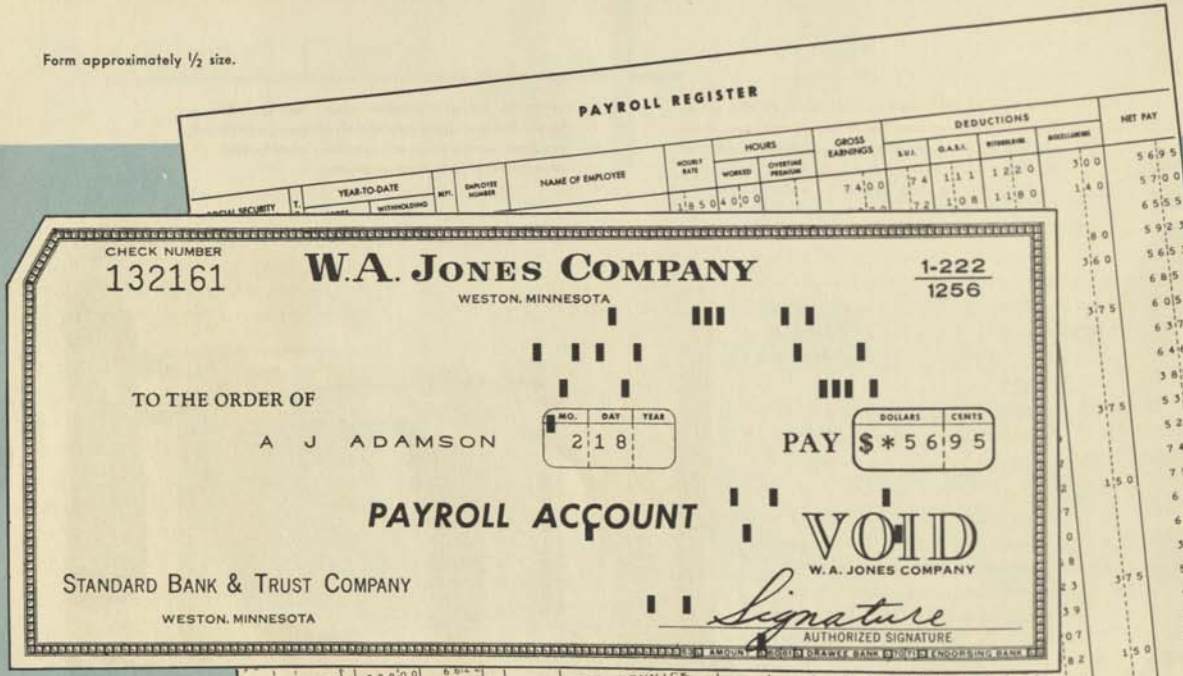
The Type 26 Printing Card Punch is one of many machines that punch data into the cards. This particular model prints at the top of each card an interpretation of the holes, as they are punched. Many other automatic features make the transcription of source data into punched cards a high-speed, easy operation.

At a rate of 150 lines a minute, the Type 407, one of IBM's versatile accounting machines, prepares documents from the punched and sorted cards. It prints all necessary alphabetical descriptions and adds, subtracts, classifies, and lists data, while spacing the forms automatically.



With the aid of electronic tubes, the Type 83 Sorter arranges cards into alphabetic or numerical sequence according to any punched classification, at a speed of 1000 cards a minute.

Form approximately ½ size.



Card actual size.

TYPICAL of the records produced in IBM Accounting are the payroll register and IBM card-check shown on the opposite page. Both report and check were prepared from the same punched cards. High-speed IBM machines prepare all necessary payment records, and government and management reports.

Cards may be punched in several ways — on manually operated machines, by automatic reproduction from existing punched cards, or through the use of "mark sensing," an IBM development in electronics that punches automatically from pencil marks. A card may be marked anywhere — in the office, in the factory, in the field.

Auxiliary machines reproduce, duplicate, sort, collate, gang punch, interpret, and summary punch cards. They also will compute results from data in the cards, post data, select it, and print it.

IBM long ago pioneered the use of electronic tubes in office equipment; today electronic devices are playing an increasingly important part in the versatility, high speed, and other outstanding features of IBM machines. Electronics is applied to IBM equipment whenever it will result in practical advantages for IBM customers.

In one minute, the Type 607 Electronic Calculator performs 100 calculations — each consisting of as many as 140 individual computations. The world's first quantity-produced, commercial calculator, this machine handles calculations of all types, simple and complex, with tremendous speed.

Cardatype Accounting Machine

THE TYPE 858 CARDATYPE Accounting Machine shown here is one of several models; others include an arithmetic and punch unit and additional typewriters. This is a multiple-product accounting machine, combining punched card and electric typewriter functions. It produces as many as five different results simultaneously — for example, invoice, stock selection ticket, shipping tag, invoice register, and punched IBM cards or perforated tape.

Information is transcribed to the documents or reports from several sources. The machine reads facts in punched cards automatically. The operator enters repetitive or constant data once on an auxiliary keyboard, from which it is automatically printed on any number of final reports or documents. The machine adds, subtracts or multiplies factors to compute results automatically. The operator types non-repetitive information on the master typewriter.

Actual manual typing of variable information represents a minor portion of the over-all time required for any given application. The Cardatype method is highly effective for a wide range of document-writing and record-keeping jobs.

Data Transceiver

THE TYPE 65-66 DATA TRANSCEIVER transmits and receives punched card accounting information from one location to another over telephone or telegraph lines, microwave or radio circuits.

After the initial hook-up is made through the telephone or telegraph services, the following completely automatic procedure takes place. The information is read into the machine from punched cards, coded for impulse transmission, received by the machine at the other end, decoded and repunched into IBM cards. The accounting data are then ready for processing on other IBM Accounting Machines.

Data Transceivers are of great importance to customers who wish to transmit accounting information in punched card form, accurately and swiftly, without the delay of intermediate steps.

Use of the Data Transceiver also makes the facilities of high-speed calculators and Electronic Data-Processing Machines available to remote industries or engineering research laboratories.

Electric Typewriter

IBM ELECTRIC Typewriters, with their proved advantages of speed, "letter perfect" results, and economical operation, have virtually eliminated the fatigue element from typing. Using the all-electric keyboard, the typist need only release each key instead of "pounding" it. All the heavy operations, such as carriage return, tabulating, back spacing, and shifting for capitals, are handled from the keyboard with a feather-light touch.

Available in several models with a variety of carriage lengths and type styles, IBM Electrics also are finished in coordinated color combinations to fit into the decorative scheme of any office or home. The Standard Correspondence model, pictured here, produces clear-cut stencils and uniform multiple-carbon copies, as well as general correspondence.

THE IBM Electric Typewriter with Decimal Tabulation speeds statistical typing by the addition of nine touch tabular keys to the keyboard. The typist merely touches a decimal tab key — ranging from hundreds of millions to a decimal — and the carriage moves automatically to the exact digit position in each column, ready for typing the figure.

THE IBM Electric Formswriter cuts typing time and carbon paper costs by making possible high-speed preparation of continuous fanfold or open-web forms. Four simple steps — typing, raising the platen, touching the shift arm, and tearing off the form — complete each form in record time.

This is a sample of IBM Modern Type, exclusive on the Executive Typewriter.

This is a sample of IBM Bold Face #1 Type, exclusive on the Executive Typewriter.

The Electric Executive Typewriter has an extensive choice of proportionally spaced type faces. Each letter fits gracefully in its word, according to the width of the letter.

Used extensively for executive correspondence of distinguished appearance, it also prepares high quality master copy for booklets, circulars, newsletters, menus, and other material for reproduction.

This is a sample of IBM Secretarial Type, exclusive on the Executive Typewriter.

This is a sample of IBM Heritage Type, exclusive on the Executive Typewriter.

This is a sample of IBM Text Type, exclusive on the Executive Typewriter.

This is a sample of IBM Mid-Century Type, exclusive on the Executive Typewriter.

This is a sample of IBM Charter Type, exclusive on the Executive Typewriter.

This is a sample of IBM Documentary Type, exclusive on the Executive Typewriter.

THIS IS A SAMPLE OF IBM COPPERPLATE GOTHIC TYPE, EXCLUSIVE ON THE EXECUTIVE TYPEWRITER.

This is a sample of IBM Bold Face #2 Type, exclusive on the Executive Typewriter.

Proof Machine

IN ADDITION to electronic and electric punched card accounting machines, electronic data-processing machines, and electric typewriters, IBM manufactures a number of other products. Among these are the Proof Machine, Test Scoring Machine, and Facsimile Posting Machine.

The proof machine shown here is used widely in banks, in retail stores, in the communications, oil, utility, and other industries. By performing four important functions simultaneously — sorting, listing, proving, and identifying — the proof machine provides a high-speed, efficient means of handling all proof and distribution work.

Time Equipment

IBM from its very beginning has been measuring time. The first self-regulated time system and the first electronic time system are IBM's, as well as a complete line of attendance time recorders, time stamps, job cost recorders, wall-clocks, and other time indicating recorders and signaling units. Recently announced products are central control systems, for automatic operation of utilities; radio-supervised time control (using time signals broadcast from the National Bureau of Standards radio station); an electronic paging system; an entirely new toll collection system to keep pace with the developing of toll roads throughout the United States; athletic score boards and lecterns. In addition to these products, numerous special products and systems are engineered to measure and record time and production in industry.

Central Operations Panel

Master Time and Program Control

Clock

Bell

Attendance Time Recorder

IBM

TRADE MARK

INTERNATIONAL BUSINESS MACHINES CORPORATION
590 Madison Avenue, New York 22, N. Y.