Burroughs ElectroData Datatron 205

Final assembly line.

ElectroData Data Processing Service Bureau

Allstate Insurance Company, Skokie, Illinois

ElectroData Division of Burroughs Corporation has in two years become the world's third ranking manufacturer of electronic digital computing systems.

ElectroData's facilities are devoted exclusively to the design, development, and manufacture of electronic data processing systems. The advantages of this concentration are reflected in DATATRON's advanced design and exclusive operating features.

DATATRON systems are installed nationwide in a variety of well-known organizations—including insurance companies, oil refineries, aeronautical laboratories and universities. These installations have set a record of operating reliability second to none in the data processing industry.

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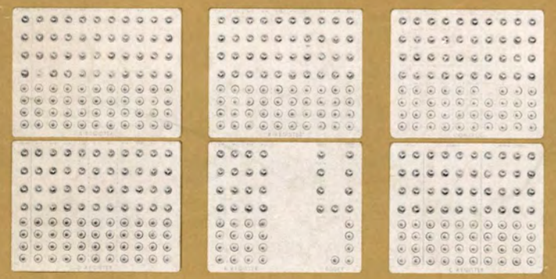
ElectroData

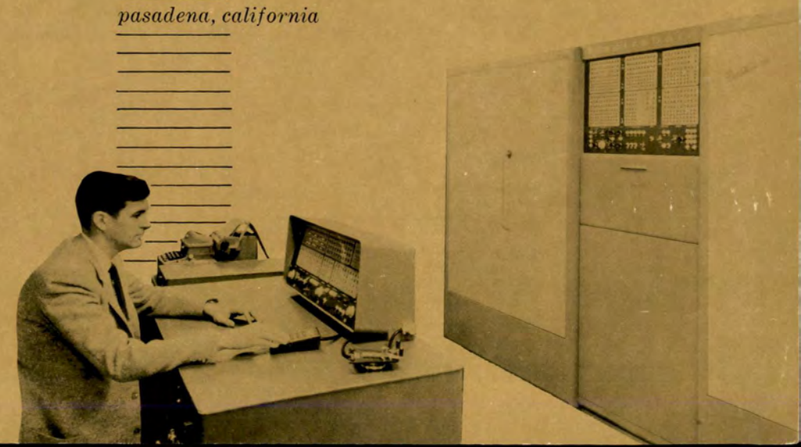
DIVISION OF BURROUGHS CORPORATION

DATATRON

ELECTRONIC DATA PROCESSING SYSTEMS

pasadena, california





DATATRON

DATATRON is the only medium-sized system designed specifically to cope with the full range of electronic computing problems. The combination of punched card (CARDATRON) and Magnetic Tape (DATAFILE) input-output with the DATATRON computer results in a powerful commercial system. The Combination of Automatic Floating Point, Magnetic Tape, and Punched Paper Tape input-output with the DATATRON computer results in a powerful scientific system. Speed, capacity and building block flexibility make DATATRON the most powerful, versatile and best integrated data processing system in the medium-priced field.

CENTRAL COMPUTER

The heart of the system is the high-speed internally-programmed decimal digital computer. The DATATRON's large vocabulary of automatic commands, vast storage capacity (40,800 digits), and high-speed series-parallel operation permit accurate processing of large quantities of data for sales analyses, cost accounting, inventory, production control, and scientific and engineering computations. Simplicity, accuracy, and reliability are achieved in the design and operation of the DATATRON

CARDATRON

The ElectroData CARDATRON is a specialized input-output system, which provides direct, flexible, high-speed, simultaneous communication between various types of card machines and the DATATRON central computer. Completely buffered multiple input-output facilities which operate under control of the central computer make possible an automatic machine room operation—an important step toward complete office automation. The CARDATRON controls any combination of input and output card machines up to seven units. Complete alphanumeric card reading, computation, card punching and line printing occur in the same time cycle and at a rate which utilizes the exceptional speed of the computer.

MAGNETIC TAPE

The DATAFILE magnetic tape system includes both single-tape (4 million digits) and multiple-tape (20 million digits) units. Up to ten DataFiles in any combination can be used in a DATATRON system. Any information on the tape can be located by referring to a tape address, and computer operation may proceed simultaneously while the tape unit is searching for this address. With magnetic tape facility, the computer can shift automatically to new problems, call at random for new information, or store results at high speed to free the drum memory for other operations.

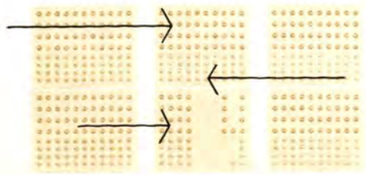
AUXILIARY EQUIPMENT

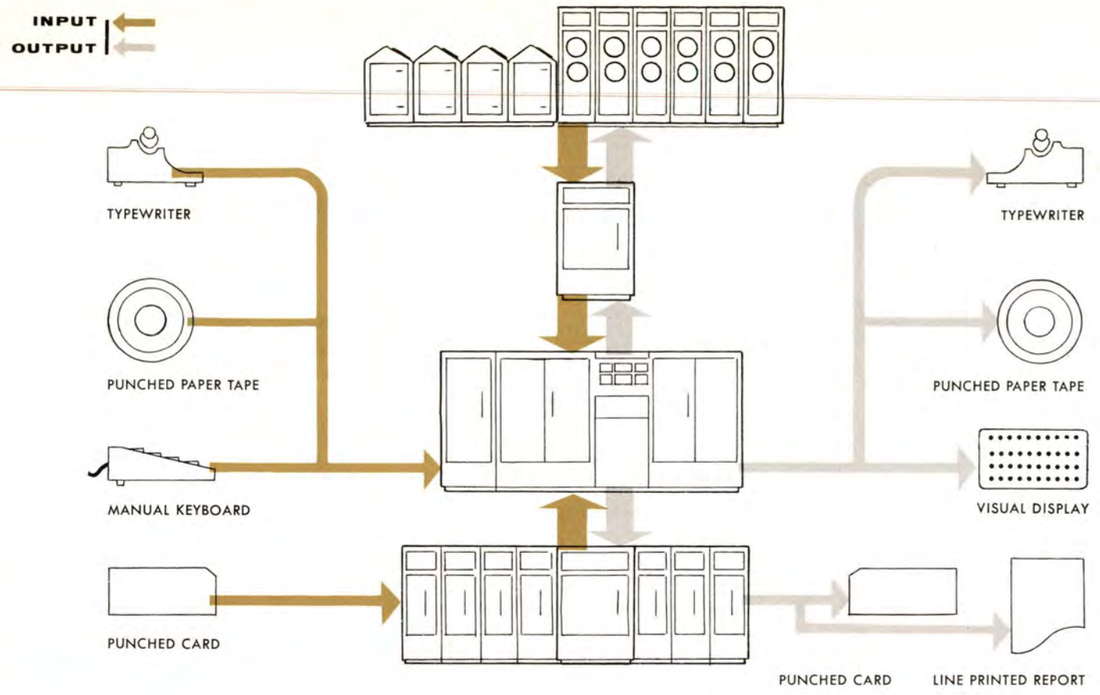
The central computer can accept information from punched paper tape at 540 decimal digits per second and punch out information at 60 decimal digits per second with a high-speed tape punch. A ten-key decimal keyboard can be used to enter short routines or special instructions. For supervisory control, or to provide results of limited length, an electric typewriter prints out directly from the central computer. The Control Console contains all the system controls and a complete visual display of the contents of all the registers.

DATATRON is a completely integrated electronic data processing system, medium in price but featuring capabilities found only in giant machines. DATATRON offers:

- *Widest range of input-out media in its field*
- *Most extensive use of "time sharing," simultaneous operation of system units*
- *Variable capacities and operating speeds*
- *Simplified operating and maintenance procedures*
- *Unmatched performance reliability*

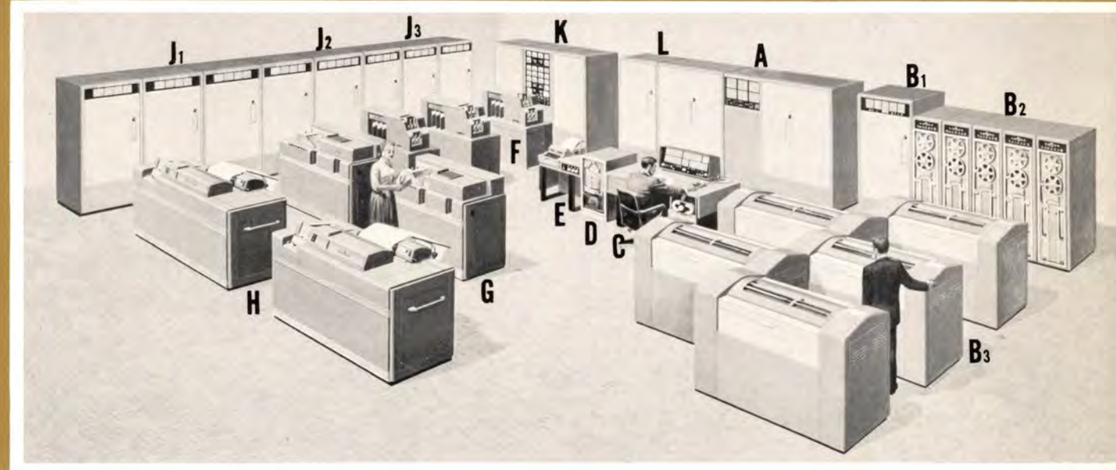
DATATRON's building-block principle enables the user to handle different applications by simply varying the types of input-output units, and permits ready expansion of the system when required.





DATATRON 205 SYSTEM LAYOUT

A. Datatron Computer
B. Magnetic Tape System
   1. Magnetic Tape Control Unit
   2. Single Tape Units
   3. Datafile Multiple-Tape Units
C. Console with Photo-Reader
D. High Speed Tape Punch
E. Typewriter Control
F. Card Readers
G. Card Punches
H. Printers
J. Cardatron Input-Output System
   1. Output
   2. Control
   3. Input
K. Magnetic Electronic Power Supply
L. Floating Point



A truly integrated electronic data processing system is under the complete control of its central computer. It accepts daily, variable information directly from punched cards, punched tape, magnetic tape or keyboard – employing input units singly or in multiple. It selects from magnetic tape the reference records necessary to process daily information, brings these records up to date and returns them to magnetic tape. It transmits end-results directly into punched cards, punched tape or printed documents. The integrated system adjusts the speeds of input, data processing and output to produce an economical flow of work.