

UNIVAC II

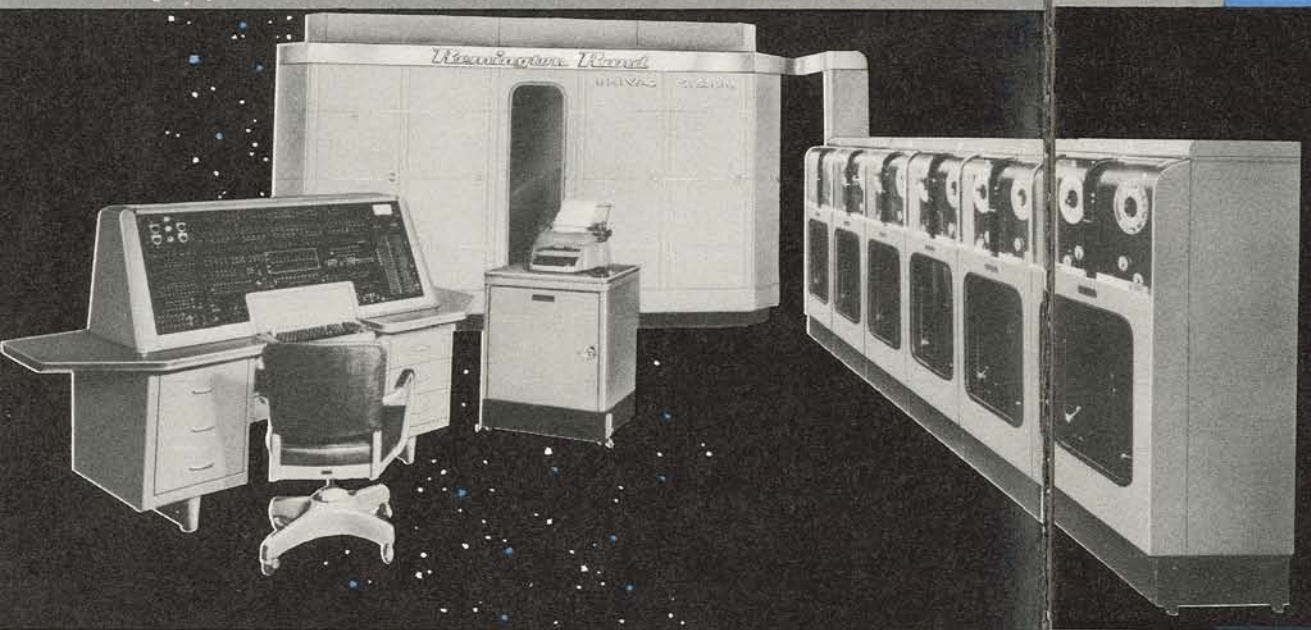


Remington Rand Univac
DIVISION OF SPERRY RAND CORPORATION





Univac*... first choice of modern management



central computer group

Donald G. McBrien

First so-called "giant brain" on the market—first in large-scale production—first electronic computing system to satisfy the diverse needs of business management—Univac is the acknowledged leader in the electronic computing field.

And now, the famous Univac of Remington Rand has widened this lead even further with a computing system that's *twice* as fast—the new Univac II. Univac is still the *only* completely self-checked system... the only one which can read, write, and compute simultaneously without extra equipment. To these superior features, Univac II adds the speed of a magnetic-core memory that has a capacity of 24,000 characters, expandable to 120,000 at the option of the user.

*Registered in the U. S. Patent Office



This is the equipment in which the data-processing actually takes place. Here the Univac System solves the problems which are given to it, performing mathematical and logical operations in millionths of seconds.

Data recorded on magnetic tape is fed from the Uniservos into the magnetic-core memory of the computer, where it is held available for processing at any instant. Then it goes to the data-processing circuits, where the computations are performed.

The result is returned to the memory, where it is either retained, awaiting further processing, or sent out from the computer as a final result and recorded on magnetic tape by the Uniservo.

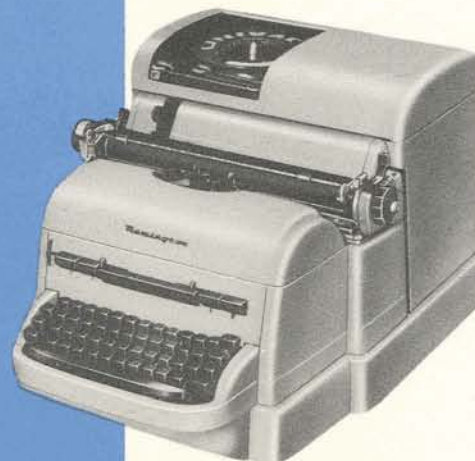
UNIVAC input auxiliaries

The input and output medium of the Central Computer Group is magnetic tape. These metallic tapes are prepared, and results taken from them, by auxiliary equipment which can be operated without interrupting the work of the Central Computer Group.



card-to-tape converter...

When the Univac System is integrated into an existing punched-card system, the Card-to-Tape Converter rapidly and automatically prepares an accurate duplication on tape of the information contained in the punched cards. Processing 240 cards a minute, the Converter reads each card twice and compares the second reading with the initial recording on the magnetic tape. If the two are not identical in every respect, the card is automatically ejected.



unityper II

Data to be processed for the first time can be put on tape with a Unityper. The Unityper II is a modified Remington Electric Typewriter, equipped with electronic circuits which convert type strokes into pulse patterns, recording them on magnetic tape. This unit is compact, economical, and fast—can be operated by any typist or key punch operator.

verifier

The Univac Verifier is a versatile 3-purpose unit. It prepares tape input in the same manner as the Unityper II, it prints output from processed tapes, and it checks the accuracy of input tapes. Verifying is performed by re-typing the input data already on the tape. If the second typing is not identical with the first, the machine automatically locks. The operator may then erase the error, substitute the correct character, and continue typing.

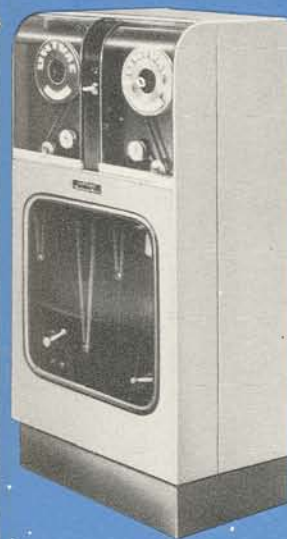


UNIVAC output auxiliaries



high-speed printer

This equipment prints data from tape processed by Univac, at a speed compatible with that of the Central Computer. Offering a total of 51 numbers, letters, and punctuation marks, the High-Speed Printer produces 600 lines per minute on a line 130 characters wide, in any desired format. Exclusive self-checking features ensure the accuracy of printed results. In field use, the High-Speed Printer is at least four times faster than conventional punched-card equipment.



tape-to-card converter

Some applications require Univac results in the form of punched cards. These are produced by the Tape-to-Card Converter, at the rate of 120 cards a minute. Automatic checking circuits ensure that the data punched in the card is identical with that on the processed output tape.



uniprinter

The Uniprinter types reports of Univac results, at intermediate speeds. The output tape is mounted on a Tape Reader which converts magnetic recording into electrical impulses. These impulses, in turn, activate a modified Remington Electric Typewriter which automatically types the processed data.



operating the system

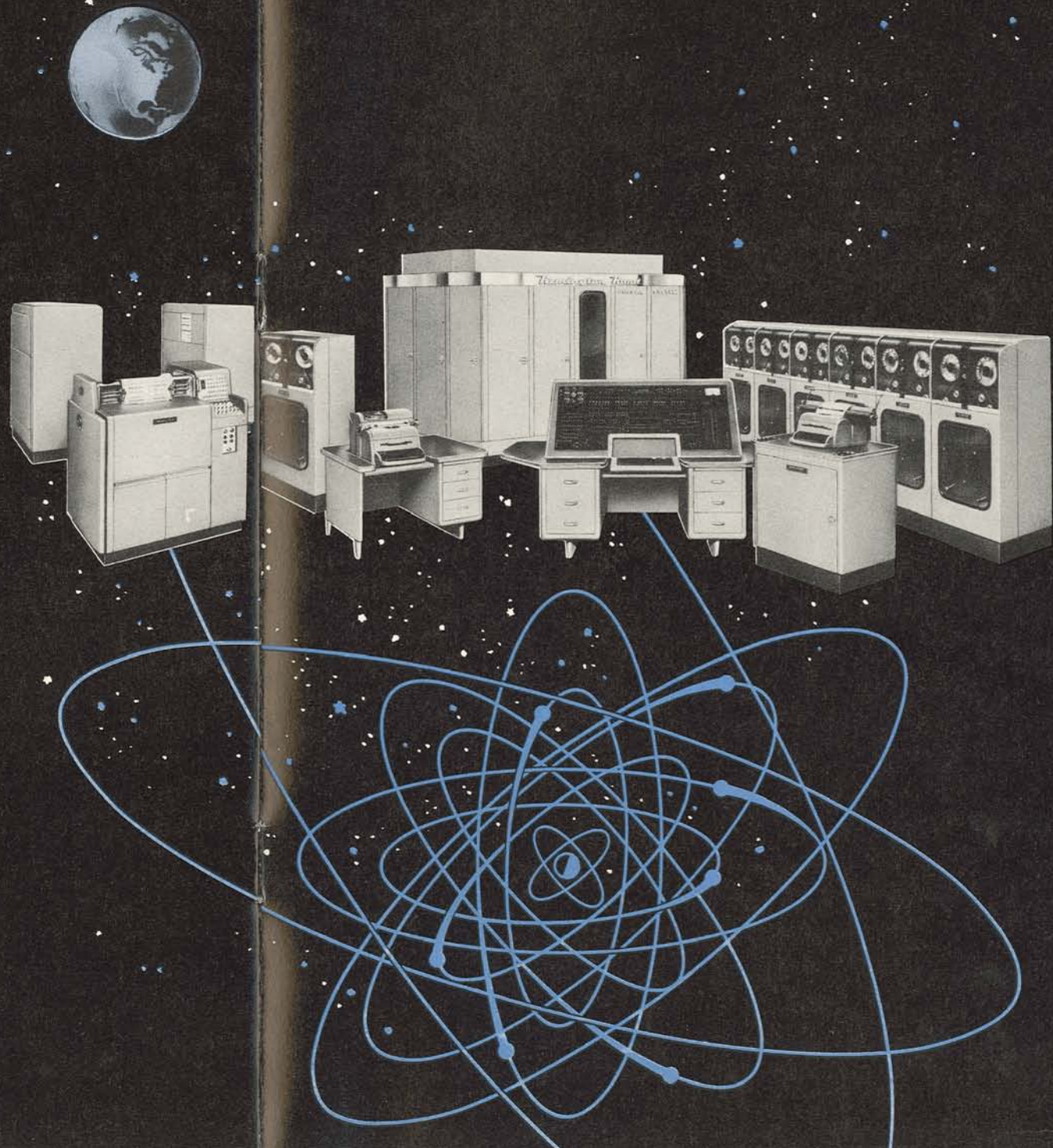
Electronic computers are not actually "giant brains," as they are popularly called; they are extremely efficient but totally unimaginative servants to those who use them. The efficiency with which they operate depends on the human intelligence planning the program of instructions which tells them what to do. This is not just true of Univac, but of all computing systems. Univac programmers have had many years of actual field experience in preparing instructions for a system of this type.

Univac has proven to be the prototype of the business computer of the future, and those who have pioneered in its many applications have acquired training unobtainable elsewhere. Others may have a groundwork in theory—our programmers have become experts through practical experience.

You and your company can profit from this experience in either of two ways: First, if you want to explore the possibility of purchasing or renting a computer for full-time use, Remington Rand offers a series of training courses in electronic computing equipment. Second, if you have an immediate application for the Univac System which can be handled by occasional use, Univac equipment and personnel are available through our Computer Center services.

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For information about training or services, write to Remington Rand Univac, Division of Sperry Rand Corporation, 315 Fourth Ave., New York 10.





UNIVAC—The FIRST Name in Electronic Computing Systems