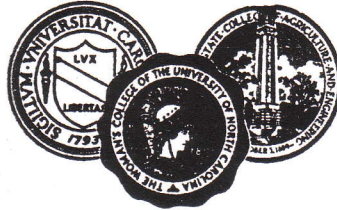
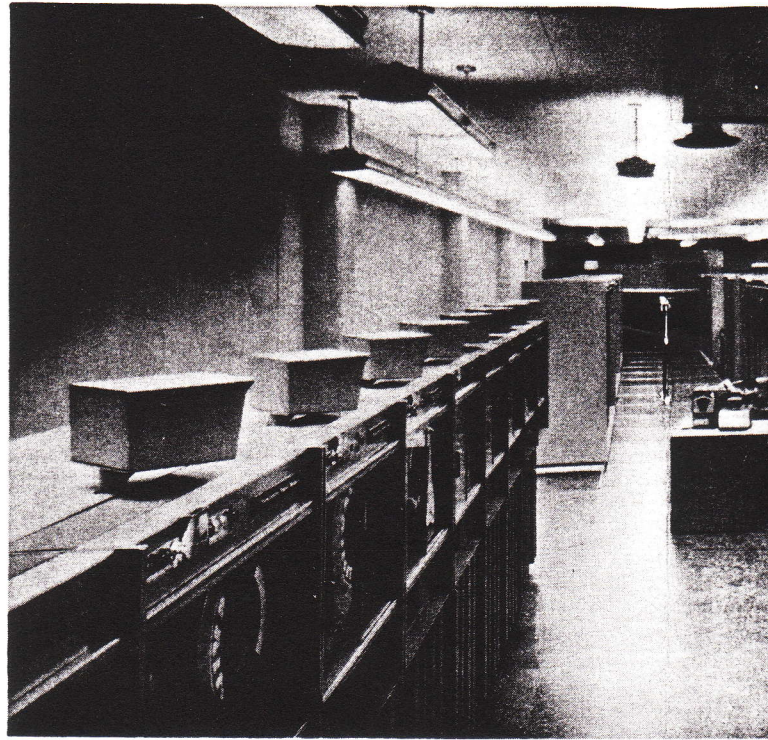


THE COMPUTATION CENTER DEDICATION PROGRAM



THE UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL, MARCH 30, 1960



The Computation Center

Beginning at ten o'clock on the morning of March 30, tours of the Computation Center will be conducted on the hour and half-hour. Guests, also, are invited to visit the Remington Rand exhibit in the Morehead Planetarium Building at any time after 10:00 a.m. on March 30.

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IN 1951, the University began its efforts to acquire a high-speed, digital computer which, in capacity and versatility, would be of the most advanced type in existence at the time of its installation. Through cooperation between the National Science Foundation, the Bureau of the Census, Remington Rand, and the State of North Carolina, the University now has a computation center which meets this long-range objective. The Center is housed in the new addition to Phillips Hall on the Chapel Hill campus and is equipped with a Remington Rand UNIVAC 1105 Data Automation System. The 1105 system combines the capabilities of the most advanced scientific computers with those of the best-known data processing instruments. It is an especially versatile computational system and will serve all fields of instruction and research in the University. With this facility available, the University of North Carolina will continue to enlarge the boundaries of human knowledge in all areas of concern to its faculties and students.

The University's 1105 is one of four such systems that will process data for the 1960 census, the other three being located at the Bureau of the Census and at the Armour Research Foundation of the Illinois Institute of Technology. In particular, the 1960 population census for North Carolina—along with that for several other states—will be processed at Chapel Hill.

At the present time, the computer is being used by faculty members on approximately thirty research projects in fields of the natural and social sciences, business, engineering, agriculture, forestry, the humanities, and the medical sciences.

Interesting facts about the Computation Center include the following:

Equipment list price -----\$2,450,000

Full-time staff for three-shift operation:

Administrative and secretarial -----	6
Maintenance -----	10
Operators -----	6
Programmers -----	4

Memory capacity of Computer

Core (fast: access time .000008 second) -----	8,192 words
Drum (slow: access time .017 second) -----	32,000 words

Speed of Computer

40,000-50,000 additions per second
20,000 multiplications per second
10,000-20,000 divisions per second

Input and output mechanisms

17 magnetic tape units
flexowriter and paper tape
punched card reader
high-speed printer (600 full printed lines per minute)

PROGRAM

At Two O'clock

Memorial Hall Auditorium

Presiding: PRESIDENT WILLIAM C. FRIDAY, *University of North Carolina*

Speakers: DR. ALAN T. WATERMAN, *Director of the National Science Foundation*

DR. ROBERT W. BURGESS, *Director of the Bureau of the Census*

MR. J. W. SCHNACKEL, *Vice President of Remington Rand*

At Four O'clock

Group Symposia on Computer Uses

I. Computers and the Physical Sciences. Room 206 Phillips Hall

Chairman: DR. J. CHARLES MORROW, *University of North Carolina*

Speakers: DR. SAUL GORN, *University of Pennsylvania*

DR. THOMAS GALLIE, *Duke University*

II. Computers and the Social Sciences and Statistics. Room 106 Carroll Hall

Chairman: DR. ARNOLD H. E. GRANDAGE, *N. C. State College*

Speakers: DR. HERMAN HARTLEY, *Iowa State University*

DR. MAURICE G. KENDALL, *University of London*

III. Computers and the Humanities. Room 207 Venable Hall

Chairman: DR. J. A. DAVIS, *The Woman's College*

Speakers: DR. VICTOR YNGVE, *Massachusetts Institute of Technology*

DR. LARAJEN HILLER, *University of Illinois*