



University of North Carolina
at Chapel Hill

6/73

A Brief History.....

The University of North Carolina Computation Center began operation in August, 1959. The original machine, a Univac 1150, was used for seven years, until its replacement with an IBM System/360 Model 30. Several upgrades in the 360 family were made over the following years, resulting in the current Model 75. The staff and scope of services have grown accordingly.

The Hardware.....

The UNC Computation Center currently owns a System/360 Model 75 with 256,000 bytes of fast core and several million bytes of auxiliary core. Additional devices include: card readers that are capable of reading 1100 cards per minute, card punches producing 300 cards per minute, two tape drives, a disk facility, two printers, including one reserved for special printing, and a CALCOMP Plotter. Several medium

speed terminals scattered across the UNC campus connect to the Model 75. The Model 75 is connected by teleprocessing (telephone) lines to a System/370 Model 165 located in the Research Triangle Park. Thus, programs submitted at UNC may be run on the Model 75 here or may be teleprocessed and run on the Model 165.

About TUCC.....

TUCC, The Triangle University Computation Center, was organized jointly by the University of North Carolina at Chapel Hill, Duke University and North Carolina State University. TUCC and its System/370 Model 165 reside in the Science and Technology Research Center Building in the Research Triangle Park. UNC, Duke and NCSU all are equipped with teleprocessing lines to TUCC. Although the majority of TUCC's computing time is divided evenly between UNC, Duke and NCSU, a limited amount of service is offered to other institutions, including the North Carolina Educational Computing Service (NCECS). A significant feature of the Model 165's services is the availability of on-line terminal computing, including TSO, APL, CPS, and RJE.

The People.....

The Computation Center Personnel is divided into three groups: Administration, Programming Staff and Operations Staff.

The administration consists of a director, an associate director, a librarian, a business manager, and secretarial and clerical personnel.

The programming staff at the Computation Center is divided into two groups, systems, and applied programming. The systems programming group is charged with the procuring, implementation, and maintenance of operating systems, language processors, special purpose systems, and utility systems. Systems programmers are expected to provide advice and assistance to users, and on occasion to provide instruction in systems related areas. The applied programming group is charged with assisting the users of the center in successfully carrying out their computer work. Members of the staff are expected to work in many areas, including programming and analyzing both user and internal projects, maintaining and developing computer program libraries, instructing and teaching users on various computer related topics, providing general advice and assistance to users with problems and preparing and issuing documentation.

The operations staff consists of specialists trained in the operation of the computer and its associated auxiliary equipment. The center maintains a keypunch section where programs and data are prepared for the computer by transferring the information to punch cards. The dispatch area, where programs are submitted to be processed on the computer, is maintained by students working part-time. Both computer operators and dispatchers are on duty 24 hours a day.

Our Services.....

The UNC Computation Center offers educational and research computing facilities for the UNC community. In addition, a full range of computer-related services are offered and are described briefly here. Limited programming assistance and advice is available without charge through User Service. This facility is open 9-12 and 1-5, Monday through Friday, and is staffed by one Applied Programmer and one Systems Programmer. Full programming services, including system design and development, are offered for a fee by the Applied Programming Group. Arrangements for such services are made with the Supervisor of Applied Programming. Key-punching and verifying services are offered by the Data Preparation Group, under the direction of the Keypunch Supervisor. Those wishing to do their own keypunching may make use of the many keypunch machines in the Computation Center. The Computation Center maintains a library of many journals, magazines, reference manuals and texts related to the

computer field. Library hours are 9-12 and 1-5, Monday thru Friday. Also offered is an exam scoring service for multiple choice and true/false examinations. Finally, several short courses are offered at no charge each semester, and are aimed at providing instruction in general computing concepts, terminal computing, special program packages, and various computer languages.

Get to Know Us.....

You are welcome to tour the Computation Center, and should see the Center Librarian if you wish to do so. Prospective users are encouraged to obtain a copy of the New User Packet. It is available at no cost from the Librarian, and provides a comprehensive introduction to the Center, its facilities and its resources.

And Finally.....

The Computation Center aims at providing excellent service to its user community, and it is our hope that your future dealings with us will be both educational and productive.