The Academic Computing Facility
Newsletter

The Academic Computing Facility, New York University
Courant Institute of Mathematical Sciences
251 Mercer Street, New York, N. Y. 10012

For a directory of the Academic Computing Facility (ACF), see the last pages of this issue of the Newsletter.

Volume V, Number 1 January 1985

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New ACF Site In Education Building

The ACF's new Ed Building site offers access via terminal to any of the computer systems on the switch. The site also houses a PC lab available to selected CSD students.

The PLATO Experiment Is Here

A microcomputer version of the PLATO courseware system is here on an experimental basis. PLATO offers prewritten courses, and allows instructors to write their own CAI courses. Instructors are urged to come and try PLATO.

Uploading and Downloading With KERMIT

The ACF is supporting the use of KERMIT, a file transfer protocol, for moving files between popular microcomputers and various minicomputers and mainframes at NYU.

A New ACF Database Library and Service

The ACF is establishing a library of databases, as well as a database access service. Suggestions are invited.

Update On The ACF's Microcomputer Laboratory

A new microcomputer laboratory was set up to help NYU faculty experiment with and select microcomputer hardware and software. Resources in the lab have grown since its opening this past September.

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VMS systems will undergo an important upgrade to Version 4 in the next month or so, and the ACF's first CLUSTER of VAXes will be formed. Some details are given.

Software: Recent Arrivals, and Coming Soon

New and updated software on the ACF's CYBER, VAX/VMS, VAX/UNIX, and IBM systems include a concordance package for text analysis; new wordprocessing, spreadsheet, and graphics packages; and new versions of SPSS-X, SIR DBMS, TSP, and SLATEC. VAX-11 C is newly available on ACF2, while Modula-2 is experimentally available on most VMS systems.

Statistical Packages: Brief Notes and Bug Reports

Some discrepancies have been noted between results obtained with versions V and VI of LISREL. The VMS version of SAS requires special attention to data input format. Some of the sample SAS/GRAPH programs do not work fully.

User Services and Documentation: ACF Talks, Tutorials, and Guides

As in previous semesters, the ACF will present talks, seminars and lectures in a variety of topics during the spring semester. The ACF will also continue to offer tutorials to users of the CYBER, IBM WYLBUR, and (by special arrangement) the VAX. Several new ACF documents appeared in Fall 1984.

Additional Notes: Computing In The Arts and Humanities

Editor requests citations for a bibliography of computing in the humanities. A local association for computing in the humanities meets monthly. CALICO Journal will be available at the ACF. Readers are invited to contribute notes to the ACF/NYU Newsletter about their computer applications.

The Academic Computing Facility Information and Directory

Selected facilities and telephone numbers, in brief, followed by a more detailed directory of facilities and services.

Special contributions by members of the ACF staff to this issue of the Newsletter: Microcomputer Laboratory item (p. 5) by G. Chapman, KERMIT item (p. 4) and Statistical Notes (p. 9) by G. Chapman and G. Sharrard, respectively, each with E. Hochberg. Material for VMS Update (p. 6) prepared by S. Tihor, and for Software Update (p. 7) by E. Friedman, E. Rodolphe.
A New ACF Site Has Opened In The Education Building

The Academic Computing Facility (ACF) has opened a new site in the Education Building. Users of the ACF's Tisch Hall and 14 Washington Place sites should find the terminals and printers in the Ed Building a useful alternative, especially during periods of peak usage.

About half of the ACF's new Ed Building site houses terminals and printers that are connected to the NYU Computer System Selector (or "switch"). The 31 terminals, and several self-service cluster printers, are available to the users of any NYU computer system which can be accessed through the "switch". These include the ACF's CYBER, IBM, VAX/VMS and VAX/UNIX systems.

The other half of the new Ed Building site is owned by the Computer Science Department (CSD). It is a PC lab which is restricted to students in selected courses given by the CSD. There, 24 IBM PC's have been set up for the students in CSD courses which are specifically designated as requiring the use of PC's. While the CSD's PC Lab is operated by the ACF, it is staffed by Computer Science Department consultants who are responsible for helping CSD students use the microcomputers.

The ACF's Education Building site will follow the same hours as the sites at 14 Washington Place, Tisch Hall, and Warren Weaver Hall. During the Fall and Spring semesters, those sites are open Mondays through Fridays, from 9:00 a.m. to midnight, and on Saturdays from 9:00 a.m. to 5:45 p.m. Evening and Saturday hours are curtailed somewhat during the summer, depending upon staff availability and demand. The ACF terminals on the B-level of Bobst Library follow the library's Reserve Room hours.

The PLATO Experiment Is Here

The ACF has brought the PLATO courseware system to the NYU campus on an experimental basis. It will be available to all faculty for examination and trial, and will be used as an experimental means of presenting course materials to selected groups of students.

PLATO is considered by some to be the premier system today for CAI (computer assisted instruction). A product of Control Data Corporation, it is in use at many universities. While there are PLATO systems which can be run on "mainframes", the PLATO which the ACF has acquired on an experimental basis runs on Control Data microcomputers.

Participating in the experimental PLATO project are four departments in WSUC -- Computer Science, Mathematics, Physics and Chemistry. Authorized students in these departments will have access to PLATO at the ACF's new Education Building site, where three PLATO microcomputer stations have been installed.

The four courses involved in the current PLATO experiment -- Pascal, Calculus 1, Physics 1, and Chemistry 1 -- are only a small sample of what is potentially available. There are many other PLATO courses, in a wide variety of subjects. PLATO also offers instructors the means of writing CAI courses or lesson sequences for their students. Faculty who would like to learn more about PLATO should contact Gary Chapman at 460-7150.

The ACF's acquisition of the equipment and courseware resulted from a grant from Control Data Corporation, which shared the cost with the participating departments.
KERMIT Is Now Available for File Transfers

Microcomputer users will be pleased to learn that the Academic Computing Facility (ACF) now offers KERMIT, a file transfer protocol developed at Columbia University and in wide use at universities around the country.

KERMIT provides a method for transferring files reliably between microcomputers and central mainframes or minicomputers at the University. For many, this will allow a more integrated use of their microcomputers and the larger NYU computer systems.

For the NYU community, this means that a microcomputer owner can type information into a file, using his or her microcomputer and its wordprocessing program, and then send that file to a mainframe or a minicomputer (the CYBER or one of the VAXes, for example) for further processing. By the same token, a file stored on a mainframe or minicomputer can be transferred, for storage or processing, to an individual's microcomputer. The files involved can contain a program, lines of data, a letter or manuscript, and so on.

To use KERMIT, an individual starts the program running on his or her microcomputer, and logs in to a minicomputer or mainframe via a modem. Once logged in, he or she then starts a second version of KERMIT running, one that is resident on the larger system. At this point, two versions of KERMIT are running which can communicate with each other, transfer files and monitor the accuracy of transmission.

At the present time, KERMIT is supported at NYU on all VAX minicomputers and on the CYBER mainframe. In the coming months, we hope to implement KERMIT on the ACF's IBM mainframe. On the microcomputer side, versions for the IBM PC, the Apple IIe, and for personal computers running CP/M (e.g., KAYPRO computers) are available at NYU now.

Microcomputer users at NYU can obtain a copy of the version of KERMIT which runs on their microcomputer, free of charge, from the ACF Microcomputer Lab, Room 317, Warren Weaver Hall. Please call for an appointment (460-7160 or 460-7181). Questions about KERMIT can be sent, via electronic mail on the CYBER, VAX/VMS and VAX/UNIX systems. Address your queries to the "user" DATACOM.

The ACF Database Library: A New ACF Service Is Being Planned

The ACF is establishing a new database service. It will entail a library of databases, and a service which will help individuals locate and access databases for purposes of research.

In the past, the ACF has made various databases available for researchers, but on an informal basis. These have included a variety of surveys in the social sciences, among them many databases available through the Inter-University Consortium for Political and Social Research, as well as data from the U.S. Census Bureau. Now, we are starting to develop, in a more systematic and formal way, a library of databases.

We will begin with databases in the social sciences. We plan to maintain the databases on tape, but will offer temporary online storage whenever it is required for specific studies or projects. We also hope to provide documentation of each database;

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Database Library, continued from Page 4.

copies of the associated codebooks; and, as needed, automated procedures enabling access to the databases without the intercession of professional computer personnel. In addition, we have arranged with Bobst Library to incorporate information about these databases in the Bobst online catalog system BOBCAT. Finally, we are looking into the possibility of establishing an ACF catalog of databases which we might not have but which we could acquire, if needed.

We welcome "input" to our database enterprise, and invite interested members of the NYU faculty to come forth. We have begun to meet with faculty about this new service which the ACF will offer. For example, we have met with members of the Economics Department to discuss what some of their database needs might be.

If you are interested in the ACF's new database service, please contact Ed Franceschini (460-7291) to discuss general policy issues or special database requirements. For information on accessing databases which are already available, call ACF consultants Bert Holland or George Sharrard (598-7851). We are exploring more formal means of disseminating this information to the NYU community and hope to implement them in the near future.

The ACF's Microcomputer Lab

As announced recently, the Academic Computing Facility has opened a Microcomputer Laboratory for faculty and research staff at New York University. The lab is located at Warren Weaver Hall, Room 317. Individuals may make appointments (460-7160 or 460-7181) to receive advice on selecting microcomputer hardware and software, for demonstrations of laboratory equipment, and to have an opportunity to try out different machines and software in the lab.

The Laboratory possesses a variety of microcomputer hardware and software, as listed in the document "The ACF Microcomputer Laboratory". Recent hardware additions (with associated software) include a CDC PLATO workstation (for learning about the PLATO computer-assisted-instruction system), an EPSON QX-10 microcomputer, and an ATARI 600XL home computer. These machines complement the range of APPLE, IBM, KAYPRO, and Macintosh personal computers already in the laboratory.

One recent software addition to the laboratory is of particular interest to IBM PC owners who also do graphics applications on the CYBER mainframe or VAX minicomputers. This program, called PC-PLOT III, allows an IBM PC to emulate a Tektronics graphics terminal. With appropriate hardware, a user can either do plots on their IBM PC screen, or download plot files to their PC for later screen display or printing on a plotter or dot matrix printer.

Since the lab officially opened in September, a wide variety of faculty members from the NYU community have come in for advice or demonstrations. Visitors have come from such areas as History, Business Education, Fine Arts, Nursing, Mathematics, Politics, Sociology, and Chemistry. Thus far, the most prevalent application for NYU users of microcomputers is wordprocessing, which is typical of microcomputer users across the nation. Other major areas of interest include communications software (e.g., micro-to-mainframe), database systems, and statistical software.
On the VAX/VMS Systems In the Coming Months...

Two important changes in the VMS "environment" are expected to occur at some time between the writing of this article and the opening of the spring semester. First, the VMS operating system will be upgraded to Version 4.0. When that has been done, we will be able to start on the second important change, the formation of a cluster of VAXes. It will be the first such cluster at NYU.

It is difficult at this point to say definitely when these changes will occur. As we go to press, DEC has just officially released VMS Version 4.0. However, we may delay its installation on our local VAXes while we wait for periods of relatively light system usage.

An Overview of VMS 4.0

Version 4 will represent a major system upgrade, with some very convenient new capabilities. With the exception of one change (password expiration -- see the first of the paragraphs below), most users will be able to use VMS 4 exactly as they have been using the current version (3.7). However, it is worth taking a quick look at a few of the new features which Version 4 will offer.

- **Password expiration (a security measure).** Under VMS 4, your password will expire unless you change it periodically (by means of the command `set password`). At present, we plan to set each password's "life expectancy" to three months. There will be warning messages at log-on for a week before passwords expire, and one session's "grace" after a password has expired.

- **Command Retry and Command Line Editing.** These features are comparable in function to the UNIX C-Shell's history mechanism, and to the R utility on the CYBER. They enable you to reenter a previously typed command -- editing it first, if necessary -- without having to retype it.

- **Access Control Lists on files.** You will be able to allow particular users different levels of access to a file. This provides some of the features of the CYBER's `PERMIT` command.

- **SET HOST/LOG=filename.** This will cause a log to be kept (in the file called `filename`) of every command that you have entered during a session, and the system's response to it. This is comparable to what is obtained with the UNIX `script` command.

- **Disconnectable processes.** This feature is comparable to the CYBER's `RECOVER` facility, in that it enables a user to recover a session, in the event that it is unintentionally interrupted. It also allows foreground/background process control similar to that of the UNIX system's `C-Shell`.

- **Long file names and file types.** The allowable length of file names and file types will be extended from nine and three characters, respectively, to 39 characters for each. In addition, it will be permissible to use the characters "$" and "_" in file names and types.

- **Support for clusters of VAXes.** VMS Version 4.0 will also add support for the creation of clusters of VAXes with shared facilities. As a result, some time after the upgrade of VMS to Version 4.0, we plan to introduce our first cluster of ACF VMS machines, `ACFcluster`. (See the next section of this article.)

A document providing more detailed information on these and other features of VMS Version 4.0 will be issued shortly before the upgrade takes place. It will appear in `NYUSAIDS:VMS4.0`. Check the online `BBBOARD` for an announcement of its availability, and for instructions on obtaining a copy.

A Cluster of ACF VAXes

Another important change that VMS Version 4.0 will bring is support for connecting several VAX processors in a cluster. Once VMS Version 4.0 is installed, the ACF will begin to form

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January 1985
Applications Software On the ACF Systems: Recently Arrived, and Coming Soon

A number of new packages of "user applications software" have been installed on the ACF systems recently, or are due to be installed in the coming months or so. Here is an overview, by application, of those which might be of most interest to our users.

Text Analysis

Version 1 of the Oxford Concordance Program is available on the ACF’s CYBER and VMS machines and could be made available on the IBM and, possibly, the UNIX systems. The program is used for text analysis. Its output includes word lists, word frequencies, and contexts. Applications mentioned in the User’s Manual include analyses of style, vocabulary distribution, grammatical forms, rhyme schemes, and language acquisition. If you are interested in using the Concordance Program for research, or would like further information, contact Ed Friedman (460-7293).

Wordprocessing and Spreadsheet Programs

A new wordprocessing program currently in use on CIMSl will be available to all faculty and graduate students on ACF5 when that machine is up and ready for use. The program is presently known as MUSE, but is due to be renamed WordMARC. It can be used on a wide variety of terminals and has "sister" versions for popular microcomputers. Faculty who are interested in trying MUSE now should contact Ed Friedman, at 460-7293. For information on purchasing documentation of WordMARC -- or to examine a copy of the Self-Training Guide and the User's Guide -- contact Estelle Hochberg, at 460-7397.

CCA EMACS is now available on the VAX/UNIX machine, CSDl. CCA EMACS differs from the EMACS which has been available for some time on VAX/UNIX and VAX/VMS machines at NYU. CCA EMACS has screen formatting features and offers the user the option of writing interfaces through which other editors can be imitated. Thus, for example, a user can make CCA EMACS look like EDT or TEDI, if that is the editor with which he or she is most comfortable.

Graphic Outlook, a spreadsheet program with graphics, has been installed on ACF3. Documentation of the program can be found in Room 307 Warren Weaver Hall.

Graphics

Version 5.1 of MOVIE.BYU is available on the CYBER, the VAX/VMS and VAX/UNIX systems. MOVIE.BYU is a system of graphics programs from Brigham Young University. While MOVIE was designed originally as a tool for engineers, it has since been applied to a wide variety of design tasks. The programs can be used to manipulate threedimensional models and to display them as either line drawings or continuous-tone color images. You can use MOVIE.BYU to create the data files needed as input, or you can write an interface that puts already existing data files into the format required by MOVIE.BYU. For more information on MOVIE.BYU, contact Ed Friedman, 460-7293.

Statistical and Mathematical Packages

SPSS-X (Statistical Package for the Social Sciences) has been updated to Release 2.0 on ACF3. SPSS-X is also on ACF1, another VAX/VMS machine. We also plan to make SPSS-X available to users of the new ACF5, once that VAX/VMS machine is fully configured. IBM users have access to SPSS-X at Release 2.0, in addition to SPSS Version 9. A version of SPSS-X for the CYBER is expected to be released sometime in the spring. The CYBER Version 9 of SPSS is still

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Software Update, continued from Page 7.

considered experimental, and SPSS-Plot is not yet available under Version 9. CYBER users should enter OBTAIN,SPSS to access Version 8.3, for which plotting is available. SPSS Version 9 is invoked through the command OBTAIN,NEWSPSS.

The database management system SIR DBMS has been updated to Version 2.1.2 on the CYBER. Three related products will be installed shortly: SIR FORMS, which enables data entry and retrieval by cursor movement on a formatted screen; SIR SQL, a simplified query language, for information retrieval; and SIR HOST, a set of FORTRAN subroutines which enable a user of SIR/DBMS to interface directly with a SIR/DBMS database -- for example as input to a user-written program which processes information from many terminals.

Version 4 of TSP (Time-Series Processor) is expected to become available for the CYBER in the spring semester: watch the online CYBER News for an announcement. Version 4 is already available on the ACF's IBM system.

Version 2.0 of SLATEC Common Math Library is now available on the ACF's CYBER and VAX/VMS systems, and could be made available on the ACF's IBM system, if requested. SLATEC is a collection of mathematical subprograms written in FORTRAN. It contains EISPACK, LINPACK, FC, LSEI, WNNLS, and FISHPACK, as well as special functions obtained from FNLIB, FUNPACK, and AMOSLIB. Extensive online documentation of the programs in the SLATEC library is available on any of the VAX/VMS systems through an interactive documentation processor, MATHDOC. To find out more about SLATEC and MATHDOC, on a VAX/VMS system, type HELP SLATEC. CYBER users can obtain hardcopy documentation of SLATEC in Room 306 Warren Weaver Hall.

Programming Languages

VAX-11 C is available on ACF2. We have recently acquired DEC's C compiler (VAX-11 C) for ACF2. VAX-11 C is a highly optimizing compiler which permits full access to all of VMS and to an emulation library providing the usual UNIX function names for those functions which can be performed directly under VMS. For more information on using VAX-11 C, see the online DEC HELP (type HELP CC) and DEC's Programming in VAX-11 C (Pub. No. AA-L370A-TE; reference copies are available in Room 313 Warren Weaver Hall and Room LC-8 Tisch Hall).

To access UNIX C on a VMS system, you must now define "CC". With the addition of VAX-11 C, it became necessary to modify the EUNICE setup procedure, ETC:UNIXSETUP.COM. The definition of the 'CC' command, which invoked the UNIX C compiler, has been removed. This means that now, if you wish to use the UNIX C compiler from DCL, you must execute the definition cc := = $bin/ce cc. If you expect to be using the UNIX C compiler regularly you should add this line to your LOGIN.COM file.

On occasion, having executed this definition (either by typing it in as a command or by executing it as part of your LOGIN.COM file), you may wish to remove the definition for the remainder of a session. To do so, you delete the symbol by executing the command delete/symbol/global CC.

Modula-2 is now installed on most VMS systems. Modula-2 is a Pascal-based programming language designed by Niklaus Wirth (the inventor of Pascal). It offers significant improvements over Pascal, its predecessor. Our VMS Modula-2 compiler is from the University of Hamburg and is available on an experimental basis. Documentation of Modula-2 can be found in the on-line HELP. (Type HELP MODULA to access it.)
VAX/VMS, continued from Page 6.

ACFcluster, its first cluster of VAXes, by connecting some of the ACF VAX/VMS systems. Current plans are to start ACFcluster by connecting ACF1 and the new VAX-11/780, ACFS. Other systems will be added as time goes by.

In a cluster, a group of VAX processors are connected with a high speed cable (the 70 megabit-per-second "Ct"). The result is a tightly coupled network of processors, all of which are running cooperating versions of the VMS operating system.

One advantage of this kind of configuration is that facilities can be shared across systems. For example, all disks and some tape devices can be shared among the processors or nodes of the cluster.

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Statistical Packages: Some Quick Notes and Bug Reports

Discrepancies Found Between LISREL V and LISREL VI

It has been brought to the attention of the ACF’s User Services staff that there are discrepancies between the "goodness of fit" statistics produced using LISREL V as compared with LISREL VI. The results produced by LISREL VI appear to be statistically correct. This is true of both the IBM and CYBER versions of LISREL.

SAS on VAX/VMS

Minor differences between the more familiar IBM version of SAS (Statistical Analysis Systems) and the new VMS version can cause you some difficulty, if you are not aware of them.

Proper attention to data fields. When creating a data file for input into the VMS Version of SAS, you must keep in mind the data fields and the length of the data line, as they are defined by your SAS input statement. All values should be right-justified in the data field. Further, you should never leave a data field blank; instead, you should use a missing value indicator in that field. Leaving a data-field blank, or not right-justifying data in a field, may cause SAS to misread your data from that point onward. For example, if SAS encounters a blank data field at the end of a line of input, it will go on to the next line and assume that any values which it finds there are the data for that field.

SAS/GRAPH's sample map-making programs. A popular feature of the VMS version of SAS is the graphics option. With limited experimentation, SAS users can produce high quality graphs by following the examples in the SAS/GRAPH User's Guide and by referring to Changes and Enhancements in the Base SAS and SAS/GRAPH Product Under VMS, Version 4 (SAS Technical Report P-128). There is a problem, however, with some of the map-making sample programs in the manual: those designed to produce state maps do not give annotation of cities or allow selection of shading or coloring for the states. At this time, the problem is still under investigation.

Copies of the technical report are available in the reference racks in Rooms LC-8 Tisch Hall and 313 Warren Weaver Hall. A copy of the SAS/GRAPH User's Guide is available for reference in Room LC-7 Tisch Hall. The NYU BookCenter has placed both of these documents on order. They will be sold in the "computer manuals" alcove on the BookCenter's lower level.

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December 1984
ACF Talks, Seminars, and Lectures
Each semester, the ACF presents talks and seminars touching on an assortment of special topics, as well as lectures which help introduce new users to a particular system or facility.

ACF Talks and Seminars. The ACF's fall semester series of talks included an introduction to the ACF's Microcomputer Lab (Gary Chapman, ACF Systems Group); two talks on graphics application software at NYU (Ed Friedman, ACF Systems Group); a discussion of networking computers at NYU (Bill Russell, ACF Systems Group); and a talk on "New Directions in LOGO" (Mike Tempel, Director of Training, LOGO Computer Systems, Inc.). Several introductory talks on UNIX and VMS were also part of the series; they are reported in the section following this one.

A new series of talks on special topics is being planned for the spring semester. Announcements will be posted on the bulletin boards at the ACF sites and on the online news and bulletin board facilities. Notices are also sent to interested faculty via University mail. If you would like to be added to the mailing list, please contact ACF User Services member Frank LoPresti, who coordinates the ACF's Talks and Seminars series (598-2993).

Introductions to WYLBUR, VMS and UNIX at NYU. In the fall semester, ACF Systems Group members Stephen Tibor and David Sullivan gave introductory-level talks on, respectively, the VMS and UNIX systems at NYU. A series of introductory lectures on IBM WYLBUR were given by Nancy Gausewitz, of the ACF's User Services staff.

The spring semester schedules for our introductory lectures will be posted on the bulletin boards at the ACF's sites, and broadcast via the online news and bulletin boards.

ACF Tutorials
The ACF provides both "walk-in" tutorials and tutorials by special arrangement. The following are previews of the tutorials planned for the spring semester.

"Walk-in" tutorials. As in previous semesters, the ACF will be offering "walk-in" tutorials for users of the CYBER and the IBM WYLBUR systems. These are scheduled tutorials for which students or faculty may sign up about one hour in advance. IBM tutorials take place in Room LC-8 Tisch Hall, and CYBER tutorials at the ACF's 14 Washington Place site. Tutorials can also be specially arranged for a class or group. (See the section below, for more information.)

Tutorials for CYBER users include introductions to the use of the CYBER; to the CYBER's full screen editor, FSE; to the editor XEDIT; and to Senator. They are tentatively scheduled for the first four weeks of the semester, Mondays at 2 and 7:00 p.m., Wednesdays at 12 and 7:00 p.m., and Fridays at 4 p.m. Schedule changes, if any, will be posted on the bulletin boards at the ACF's sites and in the online CYBER News. The IBM WYLBUR tutorials are an introduction to editing and job submittal under that system. In the spring semester, they will be offered at 5:30 and 6:30 p.m. on February 14, 19, 21, 25, 28, and March 4.

Specially arranged tutorials. Upon request of faculty, the ACF will also arrange a tutorial specially for a class or group, in any of a variety of topics -- including those presented in the ACF's "walk-in" tutorials. Call Nancy Gausewitz (598-7851) if your class or group is using IBM WYLBUR; to arrange tutorials on the CYBER or VAX, call Frank LoPresti (598-2993).
Additional Notes: Computing In The Arts And Humanities

The following are notes about pertinent computing activities occurring outside of NYU but in the New York area. If you have information of this kind which you feel would interest our readers, please contact us.

Association For Computing In The Humanities

The Northeast Association for Computing in the Humanities meets about once a month. Meetings generally begin with a question-and-answer period in which participants discuss problems they have been facing in the use of computers in their research projects or in instruction. The second halves of meetings are usually devoted to an invited speaker. At the January 9th meeting, for example, F. W. Wilson of the Pierpont Morgan Library will discuss obstacles to multilingual text processing, and possible means of overcoming them. At a recent meeting, problems in computerized social science instruction were discussed.

Those interested in finding out more about the organization or in attending a meeting can contact Prof. Alan Margolies, Dept. of English, John Jay College of Criminal Justice, CUNY (725-2772).

Bibliography of Computing and the Humanities Will Be Revived

An annual bibliography on computer work in the Humanities is being reactivated. The bibliography will list books, articles, dissertations, conference proceedings, addresses, and reports that deal with the use of computers in research in language, literature and the humanities. It will be published periodically in the journal Computers and the Humanities.

The bibliography will be edited by Prof. Alyce Sands Miller of Montclair State College. She would appreciate receiving offprints or full citations from anyone who is involved in this kind of research. Please send them to Prof. Alyce Sands Miller, Dept. of English, Montclair State College, Upper Montclair, NJ 07043.

Coming to the ACF: The CALICO Journal

The ACF has just subscribed to the journal of the Computer Assisted Language Learning and Instruction Consortium (CALICO). We hope to receive our first issue in about a month. The CALICO Journal will be kept in the ACF's Microcomputer Laboratory, a facility for NYU faculty and research personnel which is open Monday through Friday, noon to 8 p.m. (460-7181).

What Are You Doing With Computers These Days?

We would like to help our readers share information about their computer endeavors with each other. If you or your group are using computers for research or instruction in the humanities or education, we would be delighted to hear about it. Please let us know by contacting Estelle Hochberg, Academic Computing Facility, 251 Mercer Street, New York, N. Y. 10012 (460-7397). We are interested in applications on microcomputers, minis, or mainframes.

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Some Documentation Notes

Several new ACF documents appeared in the fall semester. They included Using VAX/VMS at NYU, Using EDT As A Screen Editor, Using EDT As A Line Editor (for users of VAX/VMS); Using IBM WYLBUR at NYU; VT220, a guide to setting up a DEC VT220 terminal for use on the NYU systems; Senator and System Pascal (for student users of Senator on the CYBER); and Guidelines for Using KERMIT at New York University (IBM PC Version). In addition, a number of ACF documents were updated. Versions of the KERMIT guide for the Apple IIe and for CP/M are planned for the spring semester, and the WYLBUR and VAX/VMS introductory guides will be updated.

Copies of ACF documents can be obtained in Room LC-7 Tisch Hall, and in Rooms 307 and 306 Warren Weaver Hall.
Academic Computing Facility: Information and Directory

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Key: WWH - Warren Weaver Hall, 14 WPL - 14 Washington Place, TH - Tisch Hall,
ED - Education Building, BOB - Bobst Library.

IN BRIEF: SELECTED FACILITIES AND TELEPHONE NUMBERS
(For details on these and other facilities, see our Directory on the following page.)

Accounts and General Information: 460-7427 (305 WWH)

Consultants:
For students
CYBER 598-2993 (14 WPL)
CYBER, IBM 598-7851 (LC-8 TH)

For faculty and staff only
CYBER, VAX/VMS 598-3970 (307 WWH)
CYBER, IBM 460-7398 (307 WWH)

Dial-In: From Dial For (bps)

NYU's 598 exchange Extension 7001 110 - 300
(from NYU only) " 4141 110 - 1200
" 460 exchange " 7381 110 - 1200
" 285 exchange " 6272 110 - 300
Off Campus 777-7600 (Try 777-7880 if no answer.)

Equipment Problems: 460-7414 (WWH only. See Directory for other sites.)

Computer Operators:
WWH 460-7170
TH 460-7174 (LC-14), 460-7175 (LC-8)
14 WPL 460-7176

Systems' Status: CYBER, VAX/VMS, VAX/UNIX 460-7285 (recorded message)

Tape Librarian: CYBER, VAX/VMS, VAX/UNIX 460-7155
IBM 598-7901

Tutorials (arranged on request): IBM WYLBUR 598-7851
CYBER or VAX/VMS 598-2993

User Work Areas: 14 WPL; ED, 2nd Floor; BOB, B-level; TH, Room LC-7;
WWH, 3rd Floor (faculty only).

Mon - Fri 9 a.m. to midnight, Sat 9 a.m. to 5:45 p.m.
(BOB follows the library's hours.)
DIRECTORY

Key Street Addresses

14 WPL: 14 Washington Pl.
ED: Education Building, 35 W. Fourth St.
WWH: Warren Weaver Hall, 251 Mercer St.
Bobst: Bobst Library, 70 Washington Sq. So.
TH: Tisch Hall, 40 W. Fourth St.

Accounts 305 WWH, Mon - Fri, 9 a.m. to 5 p.m., 460-7427
Administration and General Information 305 WWH, Mon - Fri, 9 a.m. to 5 p.m., 460-7427

Dial-Up Numbers

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<th>From</th>
<th>Speed (bps)</th>
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<tr>
<td>Off campus</td>
<td>110 - 1200</td>
<td>777-7600 (Dial 777-7880 if no answer.)</td>
</tr>
<tr>
<td>598 Centrex</td>
<td>110 - 300</td>
<td>7001</td>
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<td></td>
<td>110 - 1200</td>
<td>4141 (from NYU ONLY)</td>
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<td>460</td>
<td>110 - 1200</td>
<td>7381</td>
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<tr>
<td>285</td>
<td>110 - 300</td>
<td>6272</td>
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Documentation

ACF/NYU Newsletter is mailed to holders of Individual Accounts on the CYBER, IBM, or VAX. Inquiries: Estelle Hochberg, 306 WWH.

ACF Introduction and Directory, for holders of Individual Accounts: single copies are available in Rooms LC-7 TH and 305, 306, and 307 WWH.

Book Center (NYU), 18 Washington Place, stocks commercially published software manuals, tradebooks on computing, and selected manuals for the CYBER, VAX/VMS, and IBM systems. Inquire at information desk, lower level. Computer tapes are sold at the stationery counter.

ACF Writeups, CYBER: Use "obtain(writeup=qindex)" for information.

IBM: Batch, use "// exec manuals,name=index", after your jobcard. WYLBUR, type "u wyl.pb.pub.manual.index", then "list".

Limited supplies of ACF guides and manuals are also distributed from 14 WPL, operators' desk, Mon - Fri, 9 a.m. to 10 p.m., Sat 9 a.m. to 6 p.m.; TH Room LC-7, Mon - Fri, 9 a.m. to 9 p.m., Sat 9 a.m. to 5 p.m., 598-7851.

Multiple Copies of ACF Writeups for Classroom Use: Estelle Hochberg, 306 WWH for CYBER, VAX/VMS, VAX/UNIX; consultants, LC-7 TH, for IBM. (Please allow about a week. Blank forms for CYBER writeups can be obtained in 306 WWH or LC-7 TH.)

On-Line Help Utilities (CYBER, VAX/VMS, IBM WYLBUR): Type "help", strike return key.
On-Line News Bulletins are important sources of information on systems and operations, training sessions, new documentation, user and programming hints, and so on.

**CYBER News:**
Use "obtain(writeup=news)" for time-sharing or batch. Replaced weekly.

**IBM News:**
Updated as needed. Batch, use "// exec ibmnews". WYLBUR, type "help ibmnews".

**VAX/VMS BBOARD:**
Type "bboard"; strike return key to list each message; type "help" for further instructions; type "exit" to quit.

Reference Copies of Manuals: 14 WPL, TH Room LC-8, WWH Room 313; selected CYBER and VMS/VAX manuals are also available at the Bobst Library Reserve Desk (instructor is listed as "Computer"), the CIMS Library, and the Computer Science Department's Help Room (1128 WWH). For CYBER, type "obtain(writeup=reflist)"; for VAX/VMS, use "print nyulib:vaxman.doc".

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**Equipment Problems**

<table>
<thead>
<tr>
<th>Location</th>
<th>Contact</th>
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<tr>
<td>14 WPL Site</td>
<td>Supervisor</td>
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<td>ED</td>
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<tr>
<td>TH</td>
<td>Room LC-8</td>
</tr>
<tr>
<td>WWH</td>
<td>Operations Personnel, Room 312, or 460-7414</td>
</tr>
<tr>
<td>ACF Terminals at Other Locations:</td>
<td>460-7414</td>
</tr>
</tbody>
</table>

**Microcomputers**

**File Transfer:** Up-loading and down-loading to and from NYU computer systems, via KERMIT. For information, call 460-7181.

**Laboratory:** The ACF Microcomputer Laboratory, for faculty who wish to examine microcomputers and microcomputer software packages, and explore their uses in instruction and research. Mon to Fri, noon to 8 p.m., 317 WWH. Please call 460-7160 for an appointment.

**Systems' Status**

CYBER, VAX: 460-7285 (recorded message)

**Tape Use**

<table>
<thead>
<tr>
<th>Tape Librarian</th>
<th>Tape Purchase</th>
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<td>CYBER, VAX</td>
<td>460-7155</td>
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<tr>
<td>IBM</td>
<td>598-7901</td>
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<td>NYU Book Center</td>
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<td>stationery counter</td>
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</table>

**Tape Questions and Requests**

CYBER, VAX 460-7155 IBM 598-7851

**Terminals (Problems with), ACF equipment only:** see Equipment Problems
Tutorials are scheduled during the first 3-4 weeks of each semester. Also offered by special arrangement, upon request of faculty. Call 598-7851 for IBM WYLBUR, 598-2993 for CYBER, VAX/VMS.

User Services

Student Advisement

<table>
<thead>
<tr>
<th>CYBER: 14 WPL</th>
<th>598-2993</th>
<th>CYBER, IBM: TH Room LC-7</th>
<th>598-7851</th>
</tr>
</thead>
</table>

Consultants

| CYBER: TH Room LC-7 | 598-7851 | IBM: TH Room LC-7 | 598-7851 |
| WWH Room 307 | 598-3970 | 460-7398 |

Hours for Consultants and Student Advisers are posted at 14 WPL, WWH outside Room 305, and TH Room LC-7. See the CYBER writeup "CONSULT" for advisers' hours.

User Work Areas

Mon - Fri 9 a.m. to midnight, Sat 9 a.m. to 5:45 p.m. *
(Note: WWH facilities are for faculty and researchers only.)

| CYBER | Interactive terminals, self-service printers
| 14 WPL, TH Room LC-8, ED second floor, WWH Room 313; Bobst B-level * |
| Card readers | TH Room LC-14, WWH Room 311 |
| Keypunches | TH Room LC-14, WWH Room 310 |
| Output folders (high speed printers) | TH Room LC-14, WWH Room 312 |

| VAX | Interactive terminals, self-service printers
| TH Room LC-8, ED second floor, WWH Room 313; Bobst B-level * |
| Output folders (main printer) | WWH Room 312, TH LC-14 |

| IBM | Interactive terminals
| WYLBUR | TH Room LC-8, ED second floor, WWH Room 313, Bobst B-level * |
| Card reader | TH Room LC-14 |
| Keypunches | TH Room LC-14 |
| Output folders | TH Room LC-14 |

* The ACF terminals on the B-level of Bobst Library are available during all library and study-hall hours. There are no printers at Bobst. There is also a faculty-only facility in Room 313 WWH.

Key: WWH - Warren Weaver Hall, 14 WPL - 14 Washington Place, TH - Tisch Hall, ED - Education Building, BOB - Bobst Library.

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Note: The NYU Book Center (18 Washington Place) now stocks a wide assortment of manuals and trade books dealing with computers and computer applications. Computer supplies (blank tapes, diskettes, paper) and popular microcomputer software are also sold. Inquire at the stationery counter for computer supplies, at the textbook information counter (lower level) for all else.

NYU faculty and staff may order diskettes, paper and other computer supplies through their departments from Central Supply.