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Table of Contents	
Memo to Instructors	
Short Courses	
Tape Storage	
Common Files	
Computer Movies	

MEMO TO CLASSROOM INSTRUCTORS

For this coming school year we strongly urge that courses using the CDC 6600 and Fortran use the MNF Fortran compiler. Its error detection capability, cross reference tables, and trace abilities all enable the student, instructor, and our consultant to pinpoint problems very quickly. Human time and computer time are both conserved.

We are now using a sub-monitor or batch system for these classes which simplifies the control cards and enables the instructor to specify the maximum time and page count and thus save his department money. Under the sub-system the MNF compiler is only loaded once and small student jobs will go through the overall system very rapidly.

The only control card needed for this sub-system is a double period card; periods in columns 1 and 2 followed by a name, account number, and MNF parameters. The name is a 1-5 character Fortran name, preferably part of the student's name. Following the name and comma there must be the 8-digit account number assigned by the UCC for the course. The MNF parameters, in any order, follow, each separated by a comma from the previous item. The recommended parameters are:

- T=integer execution time limit in milli-seconds (the instructor's limits overri
- P=integer execution output page limit (the instructor's limits override)
- E=1, all error messages except non-USASI messages are printed
- D debugging mode, execution proceeds as far as possible

The cross-reference tables may be suppressed with R=0. We recommend using the E=1 and D parameters.

A period terminates all parameters and commentary information follows. For the operators' use we must have the following information--name of department and course number, section number, student's name. This should appear at the top.

Following the double-period card is the normal 6600 Fortran deck starting with the job card and ending with the last END card and an ordinary 7-8-9 card. The data, if any, follows the 7-8-9 card and the job is terminated with a blue 7-8-9 square card available on the input shelf out in the hall of Experimental Engineering. Note that the student does not and must not use an orange 6-7-8-9 card. Also, cards with periods in columns 1 and 2 other than the job card are not allowed. These will cause termination of the job containing them. Marking and striping the deck edges with marking pens helps the student and the operator in deck identification and separation.

EXAMPLE:

```
..ANDER,21047065,T=1000,P=5,E=1,D.CICS3-101,SEC.3,ANDERSON,ANDY
PROGRAM LAB1(INPUT,OUTPUT)
:
:
END
7-8-9 card
data cards
blue 7-8-9 card
```

As before, student decks are placed in a tray marked for the course or department on the input shelves in the hall in Experimental Engineering and deck and output are returned on marked shelves in the basement. Student I/O and study facilities will be changed and improved this year.

We urge that all users with inexplicable MNF problems contact Larry Liddiard (217 Ex) or Jim Mundstock (212 Ex) so that these may be explained or remaining bugs removed.

Instructors may get Request for Access and Subsidy Grant forms in 227 Ex and resubmit them there. We particularly want to know the number of students in the course. Departments must pay for computer paper (2 cents/sheet), closed-shop keypunching time (\$2.85/hour), and cards used in the closed-shop operation (\$3.00/2000). Students may use the open-shop punches but must purchase their own cards at the bookstore (40 cents/200 or \$3.50/2000). After receiving an account number, please notify Mr. Foster, 3-5757, if you wish to use the batch processor and wish to set time and page limits.

The UCC maintains consultants to help all computer users. We recommend that each course have a lab instructor who is both course knowledgeable and computer knowledgeable as the prime consultant for the students in that course. Lab instructions containing pertinent information from this newsletter at a level appropriate for the students in the course should be prepared for each course.

Freedom of expression and individual rights are tender subjects today. However, at the risk of painting our noses a bright blue, we must state the following. Our policy is that any card which must be read by the computer operators or which is kept as part of the job record (the first job card) or any cards punched in the closed-shop facilities should not contain words offensive to others. Jobs violating these rules will not be run or punched.

UCC SHORT COURSES

- *Fortran - October 5-16 (M-F) 4-5 PM, Room 18 Mechanical Engineering
- *Cobol - October 19-30 (M-F) 4-5 PM, Room 18 Mechanical Engineering
- *Compass - November 2-6 (M-F) 4-5 PM, Room 18 Mechanical Engineering
- *UOFM SCOPE System - November 9-18 (M-F) 4-5 PM, Room 18 Mechanical Eng.

No registration, no fees. Call 3-4360 for further information.

MAGNETIC TAPE STORAGE

With the increased number of user-owned magnetic tapes in storage and the corresponding increase in tape requests, an internal system of handling tapes is now being used. We ask your cooperation in the following:

- 1) Always follow the "period" on tape requests with the SN number and then the name on the tape (e.g., REQUEST TAPE1,LO,EW.SN 2213 Dennis.)
- 2) Complete tape request slips
- 3) Send advance notice to "Tape Librarian-Lauderdale" when a tape will be used frequently, for example, more than 30 times per month.
- 4) Remove inactive or dead tapes from storage to provide space for active users.
- 5) The UCC has made special arrangements to provide storage for important user "back up tapes. The user should provide and create his own back up tape. The tape request should be similar to other tape requests, however, after the "period" the prefix "BUP" will replace "SN". The same name and number will be used. After creation of a "BUP" tape 1 or 2 days notice is required before it can be used again.

ADDENDUM: UCC still has a large number of tapes in dead storage that were transferred to Lauderdale when the CDC 1604 was removed. We are presently listing the tapes by identifying name and/or number. These lists will be posted in the I/O rooms on campus and at Lauderdale. Any tapes not claimed before November 15, 1970 will be discarded.

LAUDERDALE STORAGE

Limited storage space is available for 6600 users with active project numbers who must regularly work at Lauderdale. We regret space will not permit long term or permanent storage.

Because of this limitation we are now requiring that all users who wish to store paper or cards at Lauderdale complete a Request form. The forms are available at Lauderdale or at Experimental Engineering. They should be completed and sent to Marie Borosewicz at Lauderdale. Upon approval a copy will be returned along with a identifying code.

All users having authorized storage space now are reminded to complete this request form as well as those users with materials at Lauderdale without authorization. After October 30, 1970 all unauthorized materials will be discarded. Periodic checks will be made after this date, and extraneous materials will be filed in the waste-baskets. Your cooperation will be appreciated.

COMMON FILES

The University Computer Center is planning to change the procedure by which common files are created in the UOFM SCOPE system. UCC will now create all common files for approved users. Users with a need for a common file should submit the following information to Richard Folden (373-4876).

- 1) The proposed name of the file
- 2) The account number of the user primarily responsible for the file
- 3) The location of the tape for loading
- 4) The approximate size of the file
- 5) The frequency of access to the file

6) The length of time that the file will be needed

The latter 3 points along with the availability of resources will determine if UCC will create the file or allow it to remain.

Allowed files will be loaded from the user maintained tape by the UCC operator. UCC will attempt to insure file integrity across complete dead starts by re-loading the specific common files from the specified tape. Users are responsible for insuring the integrity of the load tapes. The tapes will be loaded with a program using the account number of the user as provided above.

This policy will be implemented at a date to be announced. However, users should act now and gain approval for their common files.

COMPUTER GENERATED MOVIES

Professor R. K. Hobbie from the Department of Physics will speak on computer-generated movies and will show four movies that he has made on Wednesday, October 14 at 4:15 PM in Room 130 Physics. (This should be very interesting.)