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UNIVERSITY COMPUTER CENTER
UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN 55455

NOTES
AND
COMMENTS

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Contents:			
Short Notes	1	Library Changes	2
Applications Routines	1	Suggestion Box	3
Short Courses	1		

SHORT NOTES

The closed shop keypunch facilities have moved to 225 ExpEng. Open shop keypunch will be in 223 ExpEng.

The International Conference on Computers in the Humanities will be held July 20 through July 22 on the West Bank. Over 100 talks are scheduled in areas such as literary study, linguistics, art, music and history. There will be special discussions on software and computer-aided instruction. Registration begins the afternoon of July 19 at the Cafeteria level of the West Bank Auditorium. A preliminary program is available from Dr. Donald Ross in the English Department (373-2595). Faculty, students, and staff are asked to buy a Final Program for \$5.00 to help defray costs.

Yorick Wilks of Stanford's Artificial Intelligence Project will conduct an informal seminar on "Mind-Machine and Language", Thursday, July 19 at 3:30 p.m. in Room 200, West Bank Auditorium. Everyone is invited.

REDUCTION OF APPLICATIONS ROUTINES

In order to reduce the number of libraries maintained by the applications group, the applications routines on the deadstart tape will be removed in mid-August. These routines are used only by CPLOADR and PPLOADR and not by MMLOADR (the default loader). CPLOADR and PPLOADR users will have to use SATISFY (see INFO file) to take care of the "Unsatisfied externals" that will result. If a CPLOADR or PPLOADR user has a general overlay scheme, he will also have to use LIBEDIT. Switching to MMLoadR is recommended.

SHORT COURSES

The following short courses will be offered by UCC during second summer session. No fees will be charged and no registration is required.

The suggested reference books may be purchased at the Engineering Bookstore or you may use the reference copies in the UCC User Rooms.

INTRODUCTION TO THE COMPUTER CENTER

A brief introduction to the facilities and resources of the Computer Center.

Day : Tuesday, July 24
Hours : 2-4 PM
Room : N647 Elliott Hall
Instructor : R. Franta
References : UCC Computer Users Reference Manual

ADVANCED FORTRAN

A presentation of the advanced features of the FORTRAN language. Prerequisites: Attendance at the Introduction to the Computer Center short course and the Beginning Fortran short course.

Days : Wednesday, July 25, Friday July 27, Monday, July 30,
Wednesday, August 1, Friday, August 3, Monday, August 6
Hours : 2-4 PM
Room : N647 Elliott Hall
Instructor : R. Franta
References : MNF Reference Manual (UCC), CDC 6000/7000 Series
Fortran 2,3 Reference Manual (Control Data Corporation
publication #60174900)

SNOBOL

An introduction to programming in a character manipulation language. (SNOBOL = String Oriented and symBolic Language.) Two or three typical example programs will be presented. Prerequisite: Knowledge of at least one higher level language such as Fortran or COBOL.

Days : Wednesday, August 8, Friday, August 10, Monday, August 13,
Wednesday, August 15, Friday, August 17, Monday, August 20.
Hours : 2-4 PM
Room : N647 Elliott Hall
Instructor : A. Mickel
References : The SNOBOL4 Programming Language (Griswold, et alia)

FILE MANIPULATION ON THE TIMESHARING SYSTEM

An introduction to the use of files on MERITSS, with descriptions of the permanent file commands and the control card file utilities.

Days : Wednesday, August 22, Friday, August 24
Hours : 2-4 PM
Room : N647 Elliott Hall
Instructor : J. Elkum
References :

OMNITAB

Days : July 24, 25, 26, 31, August 2
Hours : 3-4 PM
Room : Aero 21
Instructor : J. Sneed
References : OMNITAB II Reference Manual (NBS), Introduction to OMNITAB II (UCC)

LINEAR AND NONLINEAR PROGRAMMING

For lack of interest, the workshop on linear and nonlinear programming packages has been cancelled. Call Dennis Kuba (373-4886) if you have any questions.

LIBRARY CHANGES AND ADDITIONS

UMST550 - Correction of format used to write on TAPE99, correction to recover from data card sequence error.
UMTIMER - Correction for processing RUN(L) listing, modification to use EOF function.
UMST500 - Correction of output listing when illegal parameters are given; correction of sensing end-of-file on TAPE2.
UMST510 - Recompiled using MNF; correction of sensing end-of-file on TAPE2.
UMST520 - Recompiled using MNF; correction of output listing of input parameters when more than one problem is run; correction of sensing end-of-file on TAPE2.
SNP,SNP= - New versions.
BINCOF - New routine; binomial coefficient generator (writeup available); RUN/FUN/MNF and FTN versions.

EIG3 - Correction to prevent overrunning scratch array; RUN/FUN/MNF and FTN versions.

QRSYM - Corrections to define a previously undefined variable (only affected MNF users), to prevent a zero subscript for N=1, and to disallow fewer than N eigenvectors when eigenvectors are requested (writeup modified correspondingly); RUN/FUN/MNF and FTN versions.

BESJ - FTN version (same as current RUN/FUN/MNF version).

CEINT1 - FTN version (same as current RUN/FUN/MNF version).

CEINT2 - FTN version (same as current RUN/FUN/MNF version).

COMINT - FTN version (same as current RUN/FUN/MNF version).

XCEINT1 - FTN version (same as current RUN/FUN/MNF version).

XCEINT2 - FTN version (same as current RUN/FUN/MNF version).

XCEINT3 - FTN version (same as current RUN/FUN/MNF version).

ORTHON2/
ORTHON3 - FTN version (same as current RUN/FUN/MNF version).

NUMARG - FTN version (same as current RUN/FUN/MNF version).

CDC 6600 USE FOR JUNE

Total Jobs: 51,476

From ExpEng.	31.1%
From Lauderdale	20.1%
From West Bank	11.7%
From Other Remote Terminals	29.2%
For Maintenance	7.9%

Average Times:

On input queue	30.7 minutes
At Control Point	6.1 minutes
On Output Queue	5.4 minutes
Printing	1.7 minutes

CDC 6600 Use July 1, 1972 - June 30, 1973

Total jobs: 577,180

From ExpEng.	36.6%
From Lauderdale	21.6%
From West Bank	16.2%
From Other Remote Terminals	20.6%
For Maintenance	5.0%

Average Times:

On input queue	16.9 minutes
At Control point	6.2 minutes
On output queue	5.1 minutes
Printing	1.8 minutes

THE SUGGESTION BOX

[Questions may be re-worded for clarity. Unsigned suggestions are not considered.]

Q/S. *You should have notified as at least 1 day in advance about your early closing on Saturday, June 30th.*

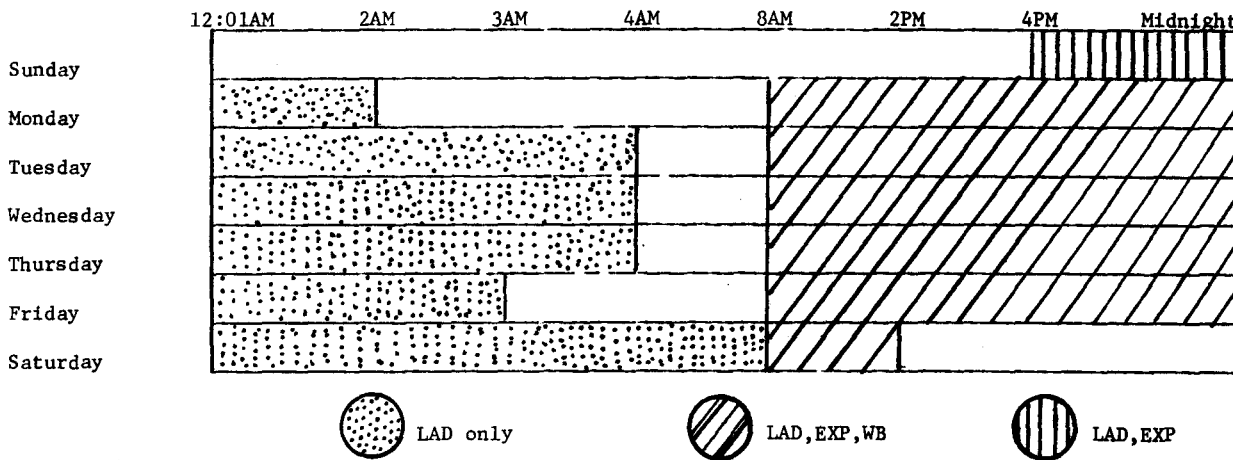
A. We did not close early on June 30. As a matter of fact we stayed with production almost an hour longer than normal trying to clear the queues since the fiscal year was ending. We did stop reading jobs one hour before closing to help clear the queues. This decision was made only fifteen minutes before it was acted upon, and was based on the status of the queues at the time. Thus no advance notice was possible.

Q/S. *Please put out a sign indicating when you no longer accept jobs for processing at ExpEng.*

A. Will do.

- Q/S. 1) *Why don't you let users stay at Lauderdale on Saturday afternoons to use the keypunches when the staff isn't using them?*
- 2) *Are you going to install a 6400 port (MERITSS) at Lauderdale?*
- A. 1) *For security and insurance reasons, we cannot leave the building open when it is not supervised.*
- 2) *We do not plan to. The MERITSS system primarily serves students and related instructional development and these users work for the most part at campus locations throughout the state. The users' room at Lauderdale was set up as a convenience for non-student users who cannot work on campus. Keeping these two classes of users at separate locations benefits everyone.*
- Q/S. *Have 2 bin cards; the first indicating the originating job site and the second indicating where the job is to be sent.*
- A. *We are presently working on procedures to enable you to send output to different sites.*
- Q/S. *A no smoking section at Lauderdale please?*
- A. *Done.*

6600 OPERATING HOURS



<u>Medium Speed Remote Terminals</u>		<u>Local Supervisor(s)</u>	<u>Telephone</u>
Room 38 ElectE	(Mpls)	C. Berg	373-5404
		M. Cook	373-3895
Room N640 EltH	(Mpls)	J. DeWitt	376-7377
Room S191 Kolth	(Mpls)	T. Faulkner	376-7024
		J. Abdullah	373-2348
Room 321 MinMet	(Mpls)	C. Swanson	373-5475
		R. Lewis	373-2300
Room 69 Physics	(Mpls)	Bob Scarlett	373-0243
		Dave Olson	373-0044
Room 24 No Hall	(St. P)	J. Colton	373-0990
		D. Rignell	373-0990
Room 257 BioSci	(St. P)	R. Comstock	373-0928
		L. Hulbert	376-3067
Room 384 HortS	(St. P)	J. Heinen	373-1086
		M. Brenner	373-0949
Room 54 BA	(WB)	H. Smith	373-3608
User Room	(Lauderdale)	Shift Supervisor	373-4940

Useful Telephone Numbers

- 373-4876 Manager, Operations (R. Folden)
- 373-4599 Manager, User Services (T. Hodge)
- 373-4548 Account Clerk, 6600
- 373-7753 Account Clerk, 6400
- 373-4995 EBR Operator (leave a message)
- 373-4596 ExpEng I/O
- 376-7584 Field Engineering
- 373-2521 Keypunch Supervisor
- 373-4940 Lauderdale Shift Supervisor
- 373-4994 Recorded Message
- 373-7744 Reference Librarian
- 373-4995 Tape Librarian (leave a message)
- 373-4360 UCC Office
- 373-4921 Users' Room (Lauderdale)
- 373-3608 West Bank I/O

Locations of UCC Keypunches

<u>East Bank</u>	<u>No.</u>	<u>St. Paul</u>	<u>No.</u>	<u>West Bank</u>	<u>No.</u>	<u>Lauderdale</u>	<u>No.</u>
38 ElectE	2	17 AgEng	1	90 BlegH	2	Users Room	4*
N640 EltH	1	302 CofH	1				
130 ExpEng	2	384 HortS	1				
131 ExpEng	1						
208 ExpEng	8*						
S191 Kolth	1						
321 MinMet	1						
69 Physics	1						
223 ExpEng	4						

*includes 1 interpreting card punch

INPUT / OUTPUT

Users who wish to exchange information on programs, equipment, etc. with other UCC users may use this form to submit the information.

To: Editor, N & C
University Computer Center
Room 227 Experimental Engineering
University of Minnesota
Minneapolis, Minnesota 55455

Please publish the following message in the INPUT/OUTPUT section of the next UCC Newsletter:

Message: _____

Contact:

Name _____
Address _____

Telephone _____