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\*\*\*\*\*HOLIDAY HOURS\*\*\*\*\*  
UCC will be closed from mid-  
night, Dec. 23 to 6 PM, Dec.  
27. The Lauderdale site only  
will be open from 6 PM, Dec.  
27 to 4 AM, Dec. 28. Normal  
hours will resume at 8 AM,  
Dec. 28.  
  
We will also be closed from  
midnight, Dec. 30 to 8 PM,  
Jan. 2. The Lauderdale site  
only will be open from 8 PM,  
Jan. 2 to 6 AM, Jan. 3.  
Normal hours will resume at  
8 AM, Jan. 3.  
\*\*\*\*\*



COMMENTS NOTES & COMMENTS NOTES & COMMENT  
Volume 5, Number 12  
December, 1971  
University Computer Center  
University of Minnesota

LIBRARY CHANGES & ADDITIONSLibrary changes 11/22/71

- SCLPLT - scaling procedures changed when scale values are out of range of F10.4 fields
- SPACZRO - correction affecting only error messages
- QSORT - revised to give improved speed (20% faster)
- UMST600 - recompiled using MNF. Correction to agree with UMST Manual: 0 Format cards = 1 Format card

Library change 11/29/71

- MF501 - assembled as an overlay. Corrected error when copying empty files.

Technical Reports

UCC Technical Report No. 2, "Evaluating the Efficiency of Sorting Algorithms", by Steve Legenhausen, is available in the UCC Library, Room 227 Experimental Engineering.

Ø29Ø26

A new version of Ø29Ø26 is now available. This version is about 11 times faster than the original, processing 2100 cards per second. Call Stuart Nordberg, 373-4880, with any questions.

WINTER QUARTER SHORT COURSES

All classes are in Room 305 Main Engineering from 4-5 PM, Monday through Friday. No registration is required and no fees are charged. There are no prerequisites. Any basic reference manual may be used.

BEGINNING FORTRAN	Jan 10 - Jan 21
SCOPE	Jan 24 - Jan 28
ADVANCED FORTRAN	Jan 31 - Feb 11
COMPASS	Feb 14 - Feb 25
UMST	Feb 28 - Mar 3

A COBOL short course will be scheduled if there is a great enough demand. Call Dave Lewis (373-4573) if you are interested in a COBOL short course.

An advanced assembly language programming course is being planned for the Week of January 31 through February 4 from 4-5 PM in Room 120 MinMet. The outline is as follows:

- 1) locating program inefficiencies using Fortran TRACE and PP monitoring programs.
- 2) Understanding 6600 instruction timing and use of UMTIMER.
- 3) Various standard loops, special techniques, tricks
- 4) Debugging aids
- 5) Optimizing I/O, MACE routines

SYSTEM NOTES ARCHIVES

The following two system notes appeared in November, 1971:

\* \* \* S Y S T E M N O T E S - W E D 03NOV71. \* \* \* 27.

A PARITY ERROR IN A CRITICAL SYSTEM DATA AREA (POSSIBLY CAUSED BY A POWER FAILURE IN TURN CAUSED BY ADVERSE WEATHER LAST WEEKEND) MADE USELESS ALL FILES ON PACK UCC001. ALL SUB-DIRECTORIES CREATED ON UCC001 BEFORE 13:00 HRS MONDAY 01NOV71 MUST BE RE-CREATED. NO OTHER PACKS WERE AFFECTED AND PACK UCC001 IS AGAIN AVAILABLE FOR USE. WHILE IT IS HOPED THAT SUCH OCCURRENCES WILL BE INFREQUENT (OR BETTER NOT AT ALL) THIS SHOULD INCREASE THE USER-S AWARENESS OF THE NECESSITY FOR ADEQUATE BACK-UP OF IMPORTANT FILES KEPT ON DISK PACKS.

FOR REFERENCE - DISK PACK UTILITY PROGRAMS (CONTROL CARD CALLS):

LISTPAK (VRN)                      LISTS THE NAMES AND LENGTHS OF ALL FILES ON DISK PACK SPECIFIED BY VRN

LISTPAK (VRN,SD=SDN1,SDN2,...)    LISTS THE NAMES AND LENGTHS OF ALL FILES IN SUB-DIRECTORIES SDN1, SDN2,...

DUMPSD (P1,P2,...,PN)              DUMP/LOAD FILES TO OR FROM A SPECIFIC SUB-DIRECTORY. EACH FILE IS WRITTEN AS ONE LOGICAL RECORD USING SPECIAL BLOCKING. THE OPTIONS (PI) ARE DESCRIBED BELOW:

SD=SDNAME                      SDNAME IS THE NAME OF THE SUB-DIRECTORY TO BE LOADED OR DUMPED. (SUB-DIRECTORY MUST BE ATTACHED WITH APPROPRIATE PERMISSION.)

B=FNAME  
<DMP>                      FNAME IS THE NAME OF THE FILE TO WHICH THE SUB-DIRECTORY IS DUMPED OR FROM WHICH IT IS LOADED. (USUALLY THIS WOULD BE A MAGNETIC TAPE FILE PREVIOUSLY REQUESTED WITH A REQUEST CARD.)

R\*                              REWIND FILE FNAME BEFORE OPERATION.  
\*R                              REWIND FILE FNAME AFTER OPERATION.  
RR                              REWIND FILE FNAME BEFORE AND AFTER OPERATION.

D                              DESTROY FILES AFTER THEY ARE DUMPED.

SF=FN1,FN2,.. DUMP/LOAD ONLY FILES FN1,FN2,...  
<ALL FILES>

EX=FN1,FN2,.. DONT DUMP/LOAD FILES FN1,FN2,...  
<NO EXCEPTIONS>

\* \* \*    E N D   O F   N O T E   \* \* \*

\* \* \* S Y S T E M N O T E S - T U E 30NOV71. \* \* \* 28.

A WRITE UP NOW EXISTS ON THE INFO FILE FOR THE CONDITIONAL CONTROL CARD TEST. THE WRITE UP IS NAMED TEST AND IN ADDITION THE WRITE UP DESCRIBES ADDED PARAMETERS FOR THE SWITCH CONTROL CARD.

COMPASS USERS:

AN IMPROVED VERSION OF THE UOFM REGISTER DUMP ROUTINE \*SNPSHOT\* IS NOW AVAILABLE. DISPLAY CODE, DECIMAL INTEGER, OR FLOATING POINT CONVERSION OF THE X-REGISTERS MAY NOW BE SELECTED. THE INFO FILE WRITE UP HAS BEEN UPDATED TO REFLECT THIS CHANGE AS WELL AS OTHER MINOR IMPROVEMENTS.

SNOBOL USERS:

MINOR CORRECTIONS HAVE BEEN MADE TO THE EXPERIMENTAL VERSION OF SNOBOL (VER 3.6) ON THE PERMANENT FILE SNOBOLX. THE PRIMITIVE FUNCTION ~~LOAD~~ NOW WORKS CORRECTLY AND THE FIELD LENGTH REQUIRED HAS BEEN REDUCED BY APPROX. 4000B. 1 LOAD ERROR IS NORMAL WHEN USING SNOBOLX.

TIDY USERS:

MINOR CORRECTIONS AND IMPROVEMENTS HAVE BEEN MADE TO TIDY (A UTILITY PROGRAM WHICH EDITS AND RE-NUMBERS FORTRAN SOURCE CODE.) TIDY IS AVAILABLE ON THE PERMANENT FILE \*TIDY\* (FIELD LENGTH REQUIRED IS 53000B).

WRITEUPS FOR THE ABOVE MENTIONED ROUTINES MAY BE OBTAINED BY INSERTING THE APPROPRIATE CARD IN YOUR DECK:

WRITEUP,SNPSHOT.

WRITEUP,TEST.

WRITEUP,TIDY.

\* \* \* E N D O F N O T E \* \* \*

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