

COMPUTATION CENTER  
Massachusetts Institute of Technology  
Cambridge 39, Massachusetts

Bulletin No. 38  
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B U L L E T I N

SUGGESTION

The Computation Center suggests that you file these Bulletins as supplements to the Procedures Handbook.

COMPUTATION CENTER MEMORANDA

The following CC memos of general interest have been released since the last Bulletin. Copies may be obtained in Room 26-269.

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| CC-181-6 | <u>The Use of MAD in the MIT Version of the FMS System</u><br>An update of the list of differences between the manual and the Center's version of MAD.                        |
| CC-216-3 | <u>FAPDBG, A Symbolic Debugging Aid</u><br>An update of the debugging aid for FAP subprograms. It supersedes memos CC-216, Supplements 1 and 2.                               |
| CC-230-6 | <u>Telephone Extensions for Dataphones, Teletypes and 1050's</u><br>An updated list of the location and extensions of the various terminals used for the Time-Sharing System. |
| CC-239-3 | <u>Abstracts of CTSS Console Commands</u><br>An updated index to the CTSS commands.   |
| CC-240-3 | <u>Abstracts of CTSS Library Routines</u><br>An updated list of CTSS library routines.  |
| CC-245-1 | <u>ED, A Context Editor for Card Image Files</u><br>An update of the CTSS command ED, which allows context editing of disk card-image files.                                  |
| CC-246   | <u>COMIT Subroutines for Generating FORTRAN Programs</u><br>Description of subroutines presently being  |

used in the development of a COMIT program for the automatic numerical solution of a class of nonlinear partial differential equations.

### FMS TAPE RESTRICTIONS

On or about the first of June an improved version of CTSS will go into effect. At that time, however, two tape drives will have to be used to implement the new system. A restriction will be placed on the FMS user in that he may use only two of the four current user tapes, logical tapes 9 and 10, when running as standard FMS. These are physical tapes A5 and B5, respectively. Those programs which make use of more than two user tapes or tapes other than A5 and B5, will have to submit their programs as nonstandard FMS. Those users who have their own versions of the subprogram (IØU) must be sure that there are no references to physical tapes A8 or B8, because their programs will no longer work under standard FMS. They must either rewrite (IØU) so that it does not refer to A8 or B8 or submit their programs as nonstandard FMS.

Users are urged to make their programs compatible with standard FMS if possible.

### FMS LIBRARY

The Center plans to remove the subprograms STØMAP and SETDLØ, SETDHI from the FMS library tape. STØMAP is no longer needed since every user automatically gets a storage map, and SETDLØ and SETDHI are no longer needed due to the \* SET DENSITY control card which the FMS system accepts. If there are any objections, please contact the consultants at X4114.

### MAIL REQUESTS

This is just a reminder that all mail requests are to be directed to:

Mr. Kenneth Sargent  
Room 26-161  
Computation Center  
Massachusetts Institute of Technology  
Cambridge 39, Massachusetts

Any questions about these runs should be referred to him. His extension is 4115.

CTSS NOTES

THE PUBLIC FILE

The Public File, COMFIL P, was set up to serve two purposes: 1) to serve as a short term "holding agent" for the transfer of files between two users; and 2) to serve as a longer term storage for popular private commands that do not quite satisfy the generality criterion needed for a system command. Any file that is in P mode is subject to deletion daily. Before any file is placed in R1 mode in the Public File, a user's write-up must be submitted to P. Crisman, Room 506, Technology Square. The write-up should state author, purpose, usage and retention date. If this is not done, files in R1 may also be deleted at any time.

If a user wishes to know the contents of the public file, he should issue the following two commands.

```
COPY P LISTCF SAVED
R LISTCF (CFLP)
```

Documentation of the public file information is available for reference from the consultant.

BUGS

There are undoubtedly bugs still in many of the commands, and the programming staff requests your help in finding them. In several cases, the staff has had to wait for the "bug" to occur in one of their own jobs so that appropriate action could be taken. To help the staff when trouble occurs (the best example of trouble is a Protection Mode Violation during the operation of a command):

1. Create a SAVED file. (SAVE XXX).
2. Call one of the consultants. If the consultant suspects that this may be an error, either machine or coding, the consultant will ask you to send the print out and put the Saved file in the Public File (UPDATE P XXX SAVED).

The Saved file can then be transmitted to one of the staff file directories for later scanning and debugging.