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UNIVERSITY OF MINNESOTA
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6600 NEWS

Barring any major unforeseen difficulties, the 6600 will be operational at our new site on Monday, February 20.

All jobs to be run on the 6600 must be checked in with a dispatcher in room 227 Experimental Engineering. The dispatching operation will be moved downstairs to 130 Experimental Engineering as soon as Plant Services completes the necessary work in that room. Please watch for signs in the lobby.

Those users who wish to use their own tapes for data or programs, please see a consultant for instructions on how to submit the job.

6600 JOB DECKS

Beginning Monday, February 20, all 6600 programs will be run using the SCOPE 2.0 version of the operating system and compiler. Although the SCOPE 2.0 system is radically different from the COS 1.1 version currently in use, few of the differences are apparent to the user. Specifically, the deck remains the same with the exception of the control cards.

A 6600 job deck consists of a single file. A file consists of all cards between the job card (described below) and a file separator card (6, 7, 8, 9 punches in column one and no other punches). The file is composed of records, the number and nature of which determine the nature of the job. The deck structure for a basic job, which requires compilation of a program and execution of that program with a data deck, is considered below.

The first card of the job deck is the job card and has the following form:

NAME7, PR, TL, FL.JN

where NAME7 is a 1 to 7 character name for identification.

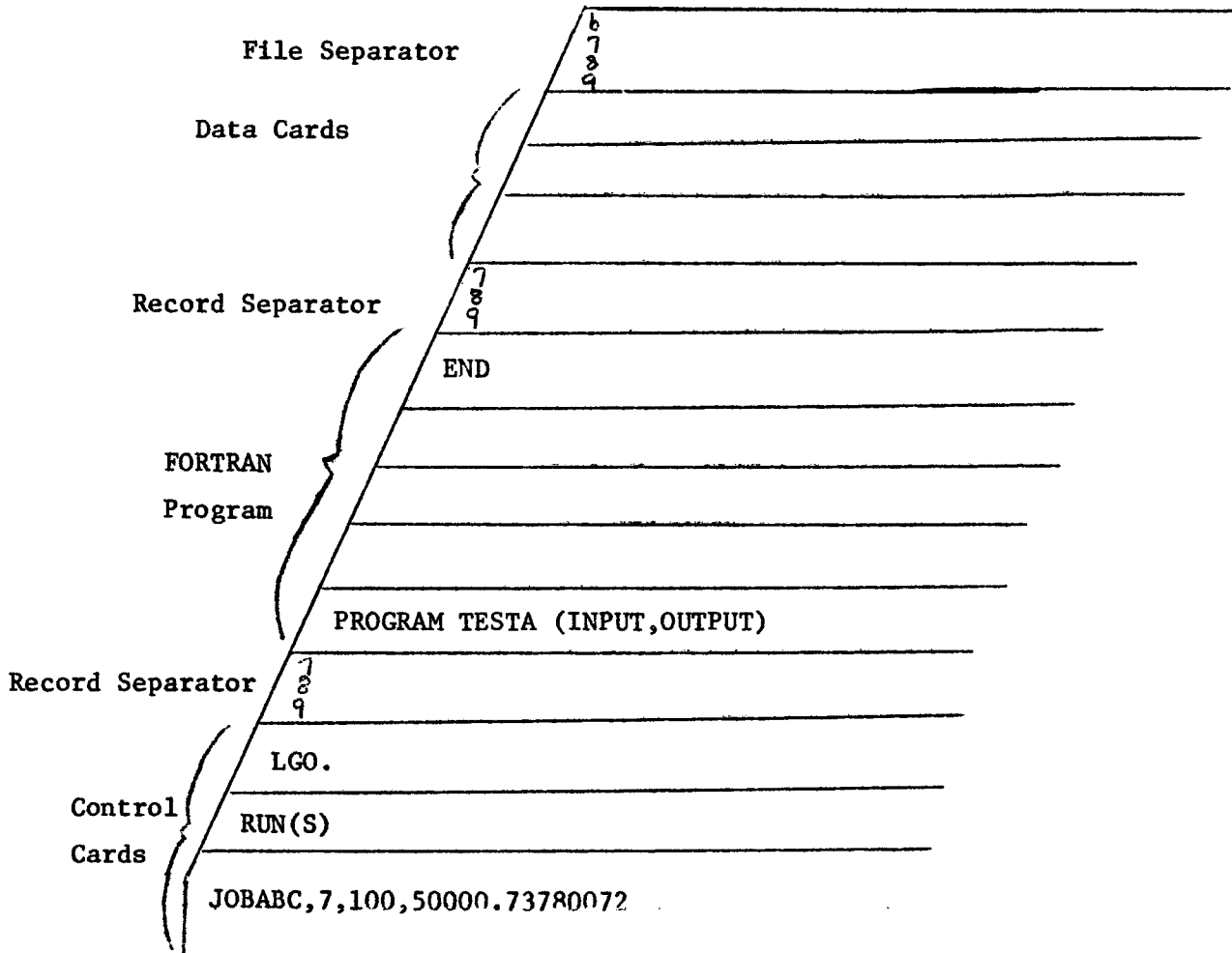
PR is a 1-2 digit octal priority number. We suggest 7 be used.

TL is a 1-5 digit time limit in octal seconds. (100_8 seconds = 1 minute).

FL is a 1-6 octal digit number representing the field length or that portion of the total memory of the machine (65K) required by the job. A minimum field length of 40000 octal is required for compilation. To conserve memory and improve a job's execution priority, FL should be adjusted as closely as possible for runs following the first run.

JN is the 8 digit account number assigned each user by the NAC. This entry is necessary for accounting purposes. If a number representing other than an active account is used, or if the number is omitted altogether, the job will automatically be aborted.

The deck structure for the basic job is as follows:



The following comments relate to the above job file.

- 1) The control cards begin in column 1. The Fortran source language cards are as usual.
- 2) The control card RUN(S) only compiles the program. The control card LGO. executes the compiled program. If errors are encountered in the source during compilation, the remainder of the control cards will be ignored and the job aborted.
- 3) The items (INPUT, OUTPUT) on the program name card are necessary to read cards and produce printed output. If it is not necessary to read data cards, omit the name INPUT from the program name card in order to conserve the amount of memory used. Furthermore, if no data cards are to be read, the second record separator card may be replaced by the file separator card to end the job file.

A 6600 consultant should be contacted for assistance in making control cards for jobs requiring compilation and execution of several programs or repeated execution of a single program with different data decks.

6600 Consultant schedule

Noon to 3:00 P.M. Daily in Room 219. Experimental Engineering.

If you have any corrections to your address or any other names to add to our mailing list, please fill in the form below and return it to Mrs. Carolyn Carlson, Numerical Analysis Center, 215 Experimental Engineering.

NAME _____

DEPARTMENT _____

CAMPUS ADDRESS _____

NAME _____

DEPARTMENT _____

CAMPUS ADDRESS _____