

COMMAND                      COMMENTS

Change\_Job\_Status

NB job-list means up to 5 job numbers separated by commas.  
\$AJ job-list                      Release specified job(s).  
\$CJ job-list                      Cancel specified job(s).  
\$HJ job-list                      Hold specified job(s).  
\$RPRT,J123,LOCAL                Reroutes printed output for job 123 to 360.  
\$RPUN,J123,LOCAL                Reroutes punched output for job 123 to 360.  
\$RALL,J123,RMn                   Reroutes all its output to workstation n.  
\$TJ123,P=11                      Set print priority of job 123 to 11.  
                                    (For jobs in the print queue only).

COMMAND                      COMMENTS

Change\_Device\_Status

\$B device-list                    Backspace device(s).  
\$BRMn.PR1,4                      Backspace 4 pages on printer 1.  
\$C device-list                    Cancel current function on device(s).  
\$E device-list                    Restart current function on device(s).  
\$F device-list                    Forward space device(s).  
\$I device-list                    Interrupt the current function on printer(s).  
\$N device-list                    Repeat current function on device(s).  
\$P device-list                    Drain the device(s).  
\$S device-list                    Start device(s).  
\$T device,state                    Set device.  
\$TRMn.PR1,F=555                   Enable printer 1 to print Forms=555.  
\$TRMn.PR1,F=R                    Reset printer 1 to standard setting.  
\$TRMn.PR1,LP=9                    Make printer accept no jobs below priority 9.  
\$TRMn.PR1,HP=7                    Make printer accept no jobs above priority 7.  
                                    NB The bootstrap loader requires HP ≥ 9 ≥ LP.  
                                    Default LP is 1, HP 15.  
\$Z device-list                    Halt device(s).

P J Hemmings (User Support Group)  
C Balderson (Telecommunications Group)

## SECTION 6 FACILITIES IN R1 AFTER THE 195 MOVES

Discussions have been going on with Group Representatives about the facilities to be provided in building R1 (Data Preparation Area) after the 195 is moved. Currently the following proposals are being put forward.

Card Input: as now via either an IBM 2501 card reader, or the GEC 2050 workstation reader. The IBM 2501 card reader would connect into the 195 via an IBM 1130 workstation (the same workstation that has been operating into the 195 from the Atlas building for several years). The card preparation equipment would remain exactly as now.

Card Output: this would be punched in the main machine room in R26 and either be brought to R1 by a thrice daily courier or collected by the user himself.

Keyboard Terminals: to remain as now. The only change is to the two terminals connected via the GEC 2050 workstation. These would be connected direct to the 195 (as the other terminals already are).

Lineprinter Output: it is proposed to have 3 printers available.

(i) IBM 1403 printer connected via the IBM 1130 workstation. It is a 1100 lines per minute printer.

(ii) two MDS printers connected to the GEC 2050 workstation. One would be 600 lines per minute, the other the existing 300 lpm.

During prime shift an operator would be available to serve these printers. Outside the prime shift the 1403 printer would be switched off, but the two MDS printers would be hands on available (as now with the 300 lpm printer).

Studies of current usage show that the above equipment will cope with the expected load. Users have already requested that long printing jobs (over 10K lines) would be automatically printed at the main machine printers and be brought to R1 by courier.

The question of special forms printing will be decided in the light of experience. For example, upper/lower case work could be printed on the 1403 in R1, to do so would mean interrupting the normal printing load. Alternatively it can be printed in R26 and either delivered by courier or collected by the user.

It should be borne in mind that a user work area will be

available in R26 directly next to the machine rooms. This area is to be equipped similarly to R1, namely card reader equipment, a GEC 2050 workstation with card reader and line printer, plus a pool of terminals. Anyone contemplating a lengthy computing session may well be advised to work directly in R26.

The proposals are still being actively discussed with interested users. In particular Roland Rosner is collecting comments on behalf of HEP users. If you wish to comment on these ideas please contact either Roland or myself.

Andrew Lea  
User Support Group

## SECTION 7 SLIGHT CHANGES IN TIME ALLOCATION

In order to bring our accounting structure in line with recent requirements (eg to present the accounts by board, committee, etc) some internal changes were made on September 27. These changes themselves have absolutely no impact on user working. It merely involves presenting accounts derived from SMF (the IBM job accounting records) in a different form.

However it was felt advisable at the same time to rationalise some of the ways in which CPU time is allocated. In particular it was decided to introduce an experimental relaxation in the rules governing priority 12 and 3.

### Priority 12

This will now be treated much as the other priority levels. In other words a given amount of CPU time will be divided up among the categories according to the present notional allocations (eg 30% for HEP Counters, etc). In turn the Category Representatives will divide it among their groups as they wish. The following points should be noted.

1) the rules regarding the type of job which can be run under priority 12 remain as before (10 seconds cpu maximum, etc). Remember however that the 2000 lines limit has been removed (experimentally).

2) no one account can start the week with more than 5 minutes priority 12 time allocated. This is to ensure that one or two "lions" do not flood the job queues locking out all others.

3) during the week priority 12 time can be moved from account

to account at the discretion of the Category Representative.

4) priority 12 time cannot be downgraded to lower priority levels.

### Priority\_3

ALL accounts are now issued with a blanket 10 hours of priority 3 time. This will continue until a large volume of work has built up when it may be necessary to reconsider this figure (either overall or for specific users). Remember priority 3 is only run when no other work is available.

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## SECTION 8 195\_ADVISORY\_COMMITTEE\_MEETINGS

Two have been held since the last FORUM was issued. The first (March 24) was an ad hoc meeting to discuss the situation (at that time) regarding the proposed second 195. The other meeting (May 19) was again dominated by considerations on the second 195. As the topic has been dealt with extensively elsewhere in FORUM it will not be enlarged here.

One or two other points emerged from the May meeting:

- 1/ The question was raised of allocating computing time for the various groups within the notional allocation for HEP Theorists. It was agreed that the matter would be raised with the Particle Physics Committee.
- 2/ The notional allocations of CPU time to HEP categories was reviewed for 1976. It was agreed to continue with the present allocations, namely:- HEP Counter Groups 30%; Film Analysis Groups (all groups) 31%; Theory 4%; and, Nuclear Structure 6%.

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