TO: All System Programmers and Operations Staff
FROM: G. Schroeder
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SUBJ: Disk/Drum Setup Program

The disk/drum set-up program is a FMS stand-alone job. This program must be run each time preventive maintenance is done on the disk and/or drum such that home address 1's must be rewritten.

The following is a description of the control cards for the disk/drum set-up program by R.C. Daley.

Summary of control cards:

- **DSKREC** - clear module, write record addresses, and HA2's on disk
- **DRMREC** - clear module, write record addresses, and HA2's on drum
- **DSKFMT** - write format tracks on disk (format keys must be on)
- **DRMFMT** - write format tracks on drum (format keys must be on)
- **SETMFD** - set up master file directory and track usage table
- **LOADER** - write loader on module (binary deck of CTSS loader must follow this card)
- **DUMP** - dump module (on A3)
- **STOP** - stop and print comment (press start to continue)
- **QUIT** - stop (end of file will do)

Format of control cards with fields separated by 1 blank:

```
col. 1
  DSKREC modno recno trcount check  comment
  DRMREC modno recno trcount check  comment
  DSKFMT modno cylno cylcount  comment
  DRMFMT modno  comment
  SETMFD ndrums disks  comment
  LOADER modno  comment
  DUMP modno recno trcount  comment
```
modno - module number; digit 0-4

0 - access 0, module 0 - disk
1 - access 1, module 0
2 - access 0, module 1 - disk
3 - access 1, module 1
4 - access 0, module 2 - drum

recno = (track number)*2
cyclno = cylinder number; digit 1-250
trcount = number of tracks
cylcount = number of cylinders
ndrums = number of drums
ndisks = number of disks (of which we have one)
CHECK is optional; if present, it causes write checking.

Comments can be written after shipping one blank.

An example of a setup control deck:

* DATA
* PLEASE TURN 7320 DRUM FORMAT KEY ON
* AND SET REAR FORMAT KEY ON 1302 FOR MOD.1
STOP PRESS START WHEN DONE
DSKFMT 3 1 250
DRMFMT 4
*
* PLEASE TURN OFF ALL FORMAT KEYS
STOP AND PRESS START TO WRITE HA2S, RAS, AND CLEAR
DRMREC 4 0 400 NOW WRITING HA2S AND RAS ON DRUM
SETMFD 1 1
DSKREC 3 0 40 WRITE HA2S, ETC. ON 40 TRACKS SO TO WRITE LOADER
LOADER 3 READ IN LOADER
binary deck
DSKREC 3 80 9060 WRITE HA2, ETC. ON REST OF DISK
QUIT