

PROGRAMMING STAFF NOTE 48

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 an ^{a non-standard} ~~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	cyln	cylcount		comment
DRMFMT	modno				comment
SETMFD	ndrums	<u>ndisks</u>	<u>words</u>		comment
LOADER	modno				comment
DUMP	modno	recno	trcount		comment

STOP
QUIT

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

cylcno = 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~~^{four})

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