To: Distribution

From: R. A. Tilden

Date: December 17, 1971

Subject: Retrievals

This MOSN obsoletes MOSN #155.

Retrievals should not be taken over the telephone. The user, with the
operator's assistance, will look up what he needs in the maps to fill out a
form. Using the information in the form, the operator performs the
retrieval. Retrievals are started at 19:00 and run in the order submitted.
Exceptions may be made with the approval of a representative of the
Programming Staff. Retrievals are run 24 hours a day on Saturdays and
Sundays.

No retrievals from Library or System dumps should be made without approval
of the Programming Staff. Programming Staff approval should also be
obtained for any retrieval involving a pathname shorter than four
components or not beginning with "udd" or "user_dir_dir".

Catchup tapes are the best way of retrieving from a day's incremental
tapes. Complete dump tapes (sys, lib, and user) start at 1000. The first
user file dump of a month will be saved for 1 year on tapes starting at
5000.

                         P R O C E D U R E S
                        (type-ins are indented)
Login the retriever, type password, do backup_cleanup if desired. Then
type:
          edm TAPE
where TAPE is the number of the first (or only) tape from which retrievals
are to be made. The system will respond "Segment not found. Input". Then
enter all retrieval requests in the form specified by the user on the
request sheet. Multiple users' requests may be made at the same time, but
this probably makes sense only if they all are retrieving from the same
tape. End each request with a new line; type no blanks in requests. When
finished type:
          .
The system will reply "Edit". Type
          p N
where N is a number equal or greater than the number of request lines you
entered. The system will type out the requests you entered for checking
purposes. If there are mistakes, you can use edm to correct them (see
writeup) or you may type "q" and start over by typing "edm TAPE" again.
When you have verified the correctness of the requests, type
          w
          q
When the ready message appears type
          retrieve TAPE -first

if the user checked the first copy box on the form, otherwise type
        retrieve TAPE
The system will ask you for the tape number again by typing "Input tape label:". Type
        TAPE
and the retrieval will begin. At termination, if any requests were unsatisfied, they will be listed. If this happens, verify that the tape number, TAPE, that you typed is the one the user specified, and that the requests you had listed above agree with those on the form. If you searched the wrong tape, you can run the retrieval again without reentering the requests by simply typing again:
        retrieve TAPE
where TAPE is the same as before. However, when the system asks for the tape label, this time give it the corrected one. In any case, upon termination type
        dp -dl TAPE.retrieve.map
        dl TAPE
This will print the map which is to be filed in a binder in rm. 901. You should now fill out the back of the retrieval request form. CPU time is the second number in the ready message. Save the console on-line and retrieval request form on the clipboard.

If the system crashes while retrieving, login the retriever, backup_cleanup, and at the ready message:
        list
This will list the retriever's files. If the file named TAPE that you were working on exists, type
        dprint TAPE.retrieve.map
This will print the map. If the files you were after appear on the map, the retrieval was successful, so type
        delete TAPE TAPE.retrieve.map
If they don't appear on the map, then type
        retrieve TAPE
or
        retrieve TAPE -first
if the file TAPE was present, otherwise start all over as before.

For retrievals involving small numbers of segments, the map may be printed online:
        print TAPE.retrieve.map
        dl TAPE TAPE.retrieve.map