

March 20, 1964

CTSS BULLETIN NO. 13

A new version of CTSS will be put into operation starting Monday, March 23, 1964, at the Computation Center and Wednesday, March 25, 1964, at Project M.A.C. This version of CTSS will contain the following changes:

1. New LOGIN Procedure

To login the user types;

LOGIN prob name

where "prob" is the user's problem number and "name" is the user's last name. The computer will reply;

W time
PASSWORD

At this point the user should type his secret password. The computer will turn the printing mechanism off while the user is typing the password so that it will not print. W time replaces WAIT (see section 2 below). If the password matches the user's problem number and name the computer will type;

```
prob prog LOGGED IN date1 time1
CTSS BEING USED IS id
SHIFT MINUTES SECONDS
      ALLOTTED USED SINCE date2 time2
1      t1      tt1
2      t2      tt2
3      t3      tt3
4      t4      tt4
LAST LOGOUT WAS date3 time3
TRACK QUOTA = n1 P, n2Q. n3 TRACKS USED.
```

followed by the message for the day. In this printout the meaning of the items are:

prob	the user's problem number
prog	the user's programmer number
date1	today's date
time1	the current time (of day)
id	the name of the version of CTSS that is currently in operation
date2 time2	date and time (of day) when the user's time used records were last initialized on the disk

t1,t2,t3,t4	the user's allotted time (in minutes) in each of the four shifts. The shifts are; 1 is 9 a.m. to 5 p.m. weekdays, 2 is 5 p.m. to midnite weekdays, 3 is midnite to 9 a.m. Tuesdays through Saturdays, and 4 is 9 a.m. Saturday through 9 a.m. Monday.
ttl,tt2,tt3,	the time (in seconds) that the user has used in each of the four shifts.
date 3 time 3	date and time (of day) that the user was logged out when he last used CTSS.
n1	the user's track quota of type P tracks.
n2	the user's track quota of type Q tracks (the distinction between Q and P type tracks is not yet implemented).
n3	the number of tracks the user is now using.

When the first line prints (i.e. after prob prog LOGGED IN...) the user is logged in and may push QUIT if he does not wish to have the rest of the information printed.

2. Change in WAIT and READY

WAIT, has been replaced by:

W time

where "time" is the current time of day. READY has been replaced by

R time1 + time2

where time1 is the time (in seconds) spent in execution since the last W time printout and time2 is the time (in seconds) spent in swapping since the last W time printout.

3. SECRET Files

A new class of files with class name SECRET have been implemented. Access to any file with a name α SECRET is restricted to the user authorized to update accounting information (J.R. Steinberg at the Computation Center and R. Mills at Project M.A.C.). If any other user creates a file with class name SECRET he will not be able to access it.