TO: F.J. Corbató

FROM: D.R. Widrig

DATE: November 30, 1965   (Reissued 12/2/65)

SUBJ: 7094 System Security Aid

A program has been written to aid in the tracing of phone lines held
by CTSS users. The program utilizes certain M1416=written subroutines
so that it is insensitive to changes in supervisor common storage
allocation, etc.

The program is called BS SAVED, a somewhat innocuous name to prevent
curiosity. Both the SAVED file and the MAD source currently reside
in M1416 CMFL05. To use this program, determine the PROBNO PROGNO
of the user to be traced. Then,

            R   BS   PROBNO   PROGNO

(It should be mentioned that PROBNO must be in standard form. That
is T113 must be written as T0113).

BS will then print out PROBNO PROGNO for confirmation. Then, at one
minute intervals, BS will test A=core to see if the user is logged in.
If he is, BS prints the following lines,

            USER FOUND, CALL MIT X4750 FOR TRACE
            BS = YYY, LINE = nn, UNITID is uuuuuu

Calling X4750 and asking to trace the call on phone line nnn will
pin-point the exact machine. In the meantime, the UNITID, uuuuuu,
will narrow the field to a few machines. (The number yyy is not
needed ordinarily, but serves as confirmation of the phone line
number.)