TO: Distribution

FROM: N.I. Morris

SUBJECT: Setting the Calendar Clock

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This MOSN applies to Multics system operation on the Model 6180.

The Calendar Clock is 52-bit register which contains the number of elapsed microseconds since January 1, 1901 at midnight, Greenwich Mean Time (GMT). The high-order 36 bits of the Calendar Clock can be set by the operator by entering the appropriate octal number via switches on the System Maintenance Panel labelled DATA and then pressing the correct buttons. The remainder of this document consists of two parts:

1. How to find the correct 12-digit octal number to be entered in the switches on the System Maintenance Panel which correspond to a given date and time, and

2. How to set the Calendar Clock after the correct octal number is obtained.

Obtaining Number to Set Calendar Clock

1. At the Operators Console, enter BOS (if not already in BOS).

2. Type the BOS command, TIME and press EOM.

3. Type the date and time (EST) as follows:

   MM DD YY HH mm

   where:

   MM the month
   DD the day
   YY the year
   HH the hour
   mm the minute

NOTE: Make sure the CLOK card is loaded in the configuration deck, and always type in the time as local time as indicated on the CLOK card.

When the date and time are typed, press EOM.

4. A number of the following form will be typed out:

   NNNNN,NNNNNN NNNNNN TTTTTT TTTTTT MM/DD/YY HH:MM:SS.S

   TTTTTT TTTTTT is the number to be entered in the switches on the System Maintenance Panel.

Setting Calendar Clock in System Controller

1. Place CPU in STEP.

2. At the system controller, enter the number TTTTTT TTTTTT in the upper row of the DATA switches. Enter all zeroes in the lower row of the DATA switches.

3. Depress the INITIALIZE and the LOAD CLOCK pushbuttons simultaneously.

4. Take the CPU out of STEP.