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A SCHEDL *Enhancement*

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. . . adding graphics, an alarm and editing features

The Model 100 *SCHEDL* program is handy for keeping track of appointments, but it doesn't show you how your time is being used in a very graphic manner. I wrote Schedl.ba to enhance the *SCHEDL* program by doing just this — displaying a calendar of appointments and the daily schedule. Also, for convenience, the program enters and deletes appointments in the Note.do file, keeping the appointments sorted by date and hour. Finally, the program allows you to use the Model 100 as an alarm clock, "beeping" you at a preset time with any message you like.

The program is operated through the function keys. On first being run, the program presents you with a display of the current month's calendar with the dates on which you have appointments bracketed, and with the labels for the function keys: Calendar, Daily, Appointment, Delete, Alarm, Menu.

Pressing the function key under the label performs the appropriate action: Calendar prompts you for a month and year, then displays the calendar for that month with your appointments marked; Daily prompts you for the date, then displays the appointments you have on that date; Appointment prompts you for date, hour and details, then makes a record of the appointment in the note file; Delete prompts you for the date and hour, then deletes any appointment at that time from the note file; Alarm prompts you for the time you want to be "beeped," and for a message to display at that time, then sets the alarm; finally, Menu returns you to the Model 100 main menu.

Merely pressing ENTER when in the Calendar and Daily modes causes the program to assume the current dates. Pressing ENTER in the Appointment, Delete and Alarm modes returns you to the main selection function. Any time you wish to, you can copy the screen to the printer using the PRINT key on the Model 100.

The program wants the appointments in the note file to be initially sorted, by date and hour. The format the program likes to see in the note file is this: MM/DD/YY:HHMM:<details of app't>. Those colons are part of the format; they'll be inserted by the program when you make appointments.

The sort order (ascending) is: first by year, then month, day and finally, by hours and minutes. I hope everyone has their favorite sorting routine to do this! If not, and you already have a note file full of unsorted appointments (in the correct format) you want to keep, it should only take a few minutes to edit the note file by hand, unless you are an awfully busy person.

When prompted for input, the format for the dates in MM/DD/YY and for the hours it is HHMM. Within the note file, the "short dates" of month and day — 1-9 — are padded in front with zeros to keep consistency with the format the Model 100 uses for its Date$. But it isn't necessary to supply the extra zeros when you are prompted for input dates; as with the colons, the program will add them for you. (You can slightly simplify the program by removing the lines which use the note file in that format.)

I require the size of the details of an appointment kept down to a short string, less than 27 characters, so that one entire appointment record occupies one Model 100 screen line length of 40 characters. (Incidentally, you could change the format to YY/MM/DD for the dates. This, with the necessary alterations to the sort keys used in the program, would slightly reduce the program in size — a few lines — and very slightly improve its speed. Speed in performance hasn't been a problem, though, with moderately-sized note files.) The program does some error-checking on the input dates and times to see that they are in the right format.

Sample Screen

```
Sat   Sun   Mon   Tue   Wed   Thu   Fri
1     2     3     4     5     6     7
8     9     10    11    12    13    14
15    16    17    18    19    20    21
22    23    24    25    26    27    28
29    30    31
Jun 01,1985 Mon 18:54    JUNE,1985
Clnd Dail Appt  Del Alrm          Menu
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(Jay Halcomb is just completing his Ph.D. in Philosophy at the University of Arizona. Specializing in mathematical logic and the philosophy of mathematics, he has been a Model 100 user and programmer for over two years.)