!   Send a specific character
^   Causes the character after "^" to be sent
    as a "control character", i.e., ^ M is the
    same as "Control-M" which is the same as
    pressing (E N T E R)

All other characters in the auto log-on command will be sent out the communications line. If, for example, we are going to log onto CompuServe manually, the dialogue might look like this (CompuServe's questions appear underlined)
(Pick up phone, dial 123-4567)
(User waits for tone, then connects modem)
^C
<u>User I.D.:</u> 12345,123 (E N T E R)
<u>Password:</u> Atom Age (E N T E R)
On the Model 100, you can save the sequence in the ADRS file, never to have to manually key it in again!
CIS:1234567⟨ = ^C?U12345,123^M?PAtom Age^M⟩
Let's see just how you would use this and what the Model 100 will do with each command character:
1. Enter TELCOM
2. Press FIND, type CIS, and press (E N T E R)
3. CIS:1234567⟨⟩ will be displayed (yes, the Model 100 will "hide" your log-on sequence for security in case anyone is watching); note that the label line display prompts will change at this time to "CALL MORE QUIT" above legends for (F 2) (F 3) (F 4).
4. Press CALL ((F 2))—You will see the call dialed as each number appears and then you will hear (yes, hear) as the phone ring (or a busy signal) and the first sound of the host computer's tone as it connects.
5. = —to pause for 2.0 seconds before continuing
6. ^C—send to the host a "Control-C"
7. ?U—Wait until host sends capital "U", when received, send back the sequence:
    12345,123(E N T E R)
8. ?P—Wait until host sends capital "P", when received, send back the sequence:
    Atom Age(E N T E R)
9. Log on complete, begin interactive terminal program, look for input from keyboard.

UPLOAD/DOWNLOAD

Terminal also provides you the ability to send and receive (Upload or Download) text files from a host computer system. Downloading is straightforward, when you want to save some information for later viewing, simply press (F 2), and the system will ask you for a filename to save the information under. Respond with a 6 character (or less) name. Sending (Uploading) is not much more difficult. After connection is made with the host and appropriate arrangements are made for it to receive and store the information, press (F 3). The system will ask you for a filename to send. You must enter a 6 character (or less) filename which already has the extension .DO. It is not necessary for you to type the .DO, but the Model 100 sends only text files (DOcuments, remember?). Next, you will be asked for a WIDTH?. Here is a very subtle, powerful feature . . . When you typed your document with TEXT, you did not use the (E N T E R) key except to break paragraphs. This makes very long lines without any carriage returns ((E N T E R)). Some computer systems "require" that (E N T E R) be pressed "at least" every 132 characters (CompuServe is one of these). So, if the Model 100 didn't give you the opportunity to add (E N T E R)'s every so

many characters, you would have to remember to do so when you prepared the text and that could be a real pain in the neck. In fact, the Model 100 takes it one step further—it will not split a word just to add an (E N T E R) key. Yes, you set the width, but the receiving computer will not get any partial words because of it.

If you don't want to set a WIDTH, say, because you're sending it via RS-232 to your Model II to be loaded into SCRIPSIT, simply press (E N T E R) without setting a WIDTH. The file will be sent just "as-is" without any extra (E N T E R)'s. This feature is there for just that reason.

ADDRESS

Address functions similarly to SCHEDL but uses information stored in the file called ADRS. By appending a colon after the telephone number, you can add full address, city, state, zip and any notes that you want to keep track of. All information after the second colon (remember, the first colon goes before the phone number) will be displayed *only* from within the ADDRS program.

Pressing **FIND** ((F 1) function key) will prompt you with the word "Find" and wait for you to enter any character, number, symbol, word or group of words that you want to search for. ADDRS will then scan the entire ADRS file, character by character, from beginning to end, and display all items that match your request. The display will pause when 7 lines of information is presented and prompt you for **More or Quit**, which will be displayed immediately above the legends [3] and [4] (The original label display will disappear). All you have to do to see the next screenful of information is press the (F 3) function key. If you want to look for something else, just press (F 4). If you've forgotten exactly what it is that you have in your address file and want to "scan" through it, just press (E N T E R) without typing any characters to find after pressing FIND. The Model 100 will then display your entire address list pausing at the end of each screen just as before.

LFIND ((F 5) function key) will perform exactly as the FIND command, except that all the found items will be printed on a printer if one is attached, without pausing. LFIND and (E N T E R) without any search criteria will print your entire address file to the printer.

MENU ((F 8) function key) Pressing this key signifies that you want to exit the scheduler program, and you will be returned to the main menu.

MODEL 100 BASIC

DATA TYPES

Model 100 BASIC can handle two kinds of data:
• Numbers—can be the default double precision (14 significant digits), single precision (6 significant digits) or integers (−32768 to 32767)
• String data—may vary in length from 0 to 255 characters.
DEFDBL—defines variables as double precision.
DEFINT—defines variables as integer.
DEFSNG—defines variables as single precision.
DEFSTR—defines variables as string.

ARRAYS

Model 100 BASIC supports multi-dimension numeric and string arrays. Array size is limited only by the amount of available memory in your Model 100. Single dimension ar-