PCGET and PCPUT

These programs make it easy to load a file from the PC into a CP/M system (PCGET) or write a file from a CP/M system to a PC (PCPUT). Files are transferred over the Poly-88 serial port using the XMODEM protocol. The Printer serial port at 9600 baud is used by default. To use the Cassette serial port or to change the baud rate, use the SB (Set Baud Rate) command in Polex prior to booting CP/M. For example, "SB 0D" selects the cassette port (zero in the MS nibble) at 4800 baud (D in the LS nibble).

Once PCGET is on the CP/M system, subsequent file transfer – including retrieval of the PCPUT program – is simple. However, getting PCGET onto the CP/M machine to begin with is the classic chicken and egg quandary.

Following is a way to get PCGET onto a CP/M system for the first time using PIP and LOAD on the CP/M system. This requires a terminal emulator or file transfer program that can insert a delay between each character sent.

First, PIP is used to copy the Intel Hex version of PCGET to the CP/M system and save it as PCGET.HEX, then LOAD is used to create the executable PCGET.COM

```
A>PIP PCGET.HEX=TTY:
```
(*press RETURN and wait for CP/M to load PIP at which time you'll see a line-feed.)*

Assuming Tera-Term, use the "Setup->Serial Port..." menu option to set the transmit delay for "msec/char" to 10. Then send the file "PCGET.HEX" using simple ASCII transfer. You will see the hex file displayed on the terminal emulator as it transfers. It is OK if some lines don't display at the left edge of the screen. File transfer will continue for a while after the file transfer dialog box closes. This is normal.

When file transfer is complete, type Ctrl-Z to signal end-of-file. PIP will exit to the A> prompt after a short delay for CP/M to warm start.

```
A>LOAD PCGET
```
(*create PCGET.COM)*

```
FIRST ADDRESS 0100
LAST  ADDRESS 03FB
BYTES READ    02FC
RECORDS WRITTEN 06
```
(*you may see different values than shown here)*

```
A>PCGET PCPUT.COM
Send the file now using XMODEM...
```
(*use PCGET to retrieve PCPUT)*