Tech Info Library

LaserWriter Pro: HP Emulation and Font Support (3/93)

```
Revised:        4/5/93
Security:       Everyone
```

LaserWriter Pro: HP Emulation and Font Support (3/93)

===

Article Created: 10 March 1993

TOPIC ---

Do the LaserWriter Pro 600 and 630 support HP LaserJet emulation? If so,
which HP LaserJet printers do they emulate? Which fonts do the LaserWriter Pro
600 and 630 support in HP mode?

DISCUSSION --

The LaserWriter Pro 600 and 630 do support HP LaserJet emulation. They
emulate the HP LaserJet IIP printer, which supports HP PCL4+.

As with the HP LaserJet IIP printer, the only fonts accessible with the
LaserWriter Pro in HP emulation mode are Courier and LinePrinter. Since there
is no LinePrinter font built into the LaserWriter Pro, Courier is the only
font available. No other fonts in the ROM of the LaserWriter Pro are
available for use in HP emulation mode. (Note: This also holds true for the
LaserWriter IIf and IIg and Personal LaserWriter NTR, since they also emulate
the HP LaserJet IIP).

By the way, there is actually a bug in the HP emulator that inadvertently
allows access to the Helvetica and Times-Roman fonts if the HP IIP assigned
font values are used in the escape code to change typefaces.

For example, the escape code to change typefaces is:

```
        ESC(s#T
```

    where # is the font value

3, 4, 5   are the assigned font values for Courier, Helvetica, and Times-
Roman respectively.

So, if "ESC(s4T" is sent to the printer in HP emulation mode, then the printer will use the Helvetica font. Again, this is a bug, but it seems to work if you want Helvetica or Times-Roman output.

Since Helvetica and Times-Roman are proportional fonts, remember to use these escape codes to switch to proportional spacing:

        "ESC(s1P"

to turn ON proportional spacing,

        "ESC(s0P"

to turn OFF proportional spacing (when using monospace fonts).

Copyright 1993, Apple Computer, Inc.

Tech Info Library Article Number:11712