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LaserWriter Pro 810: Slow Print Times (4/94)

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TOPIC -----

Our LaserWriter Pro 810 takes a long time to print large documents (5 to 6 MB documents) using Quark Xpress. Also while it is in the process of printing, some weird status messages are displayed:

```
Document "Name"  
printing page 1 of 2  
Status-JO??: processing job or  
USC? "computer name"  
processing job
```

The pages print but this can take up to 30 minutes. Why this is happening and what do the status messages mean?

DISCUSSION -----

We were able to see these messages as well. We believe they are due to the way Ethernet is implemented on the LaserWriter Pro 810. The printer does not have a direct Ethernet channel to the PostScript interpreter so data coming back from the interpreter is parsed to some degree. In this case, it seems that the parsing is off a bit (probably due to memory constraints) and the miscellaneous characters are then displayed.

Increasing the RAM may resolve the issue of the miscellaneous characters as well as the long print time. It would help us to know how much memory is in the printer, and the type of documents that are being printed. One thing you might try to alleviate the problem is to **ENABLE** Unlimited Downloadable fonts in the Options dialog of Page Setup. This purges a font automatically once it is used and frees up RAM, though the print job will take longer.

You should note that in increasing RAM, it's best to upgrade to greater than 16MB of memory. At 16 MB, the majority of memory (approximately 14 MB) is set aside for a page buffer. When the printer is powered ON it checks for the total amount of RAM and then allocates a page buffer to accommodate the largest page size available at the highest DPI. Thus, for the LaserWriter Pro 810, the page buffer allocated would be for a tabloid size page at 800 dpi (thus the 14 MB).

At 20 MB, 14 MB will still be allocated for an 800 dpi tabloid page, but approximately 6 MB would now be free.

To help further, you might want to read an article, "LaserWriter Pro 810: Print Speed and Quality Compared to 630".

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