

**Color Printing with FANTASIA/3000**  
**November, 1994**

With the introduction of the Color LaserJet, FANTASIA can expect additional work with color. New capabilities have been added; they work with the PaintJet XL3000 as well as with the Color LaserJet.

LASER has a flag to identify color printers. The flag can be set for a specific LDEV with LINEPARM; it is also set with the COLOR command in the INFO string. If COLOR is not set, LASER will ignore any color commands.

(The INFO string command NOCOLOR can be used to print in black and white when the file contains color commands and LINEPARM has the printer configured as a color printer.)

DEFINECOLOR associates a named color with a letter from "a" to "h" inclusive. The names of the colors are stored in the MESSAGES file in records 115 thru 122 inclusive. In the absence of a DEFINECOLOR command, the colors are assigned to letters as follows:

<b>b</b>		<b>Red</b>	<b>e</b>		<b>Blue</b>	<b>a</b>		<b>Black</b>
<b>c</b>		<b>Green</b>	<b>f</b>		<b>Magenta</b>	<b>h</b>		<b>White</b>
<b>d</b>		<b>Yellow</b>	<b>g</b>		<b>Cyan</b>			

Note: you can change the wording in the MESSAGES file; but you will not change the fact that LASER will associate the word of record 116 with the color the printers call "Red." Color names stored in MESSAGES must be at least two characters long and the first two characters must be letters.

The "k" escape command is used with a letter to change colors within a line of text. Thus ^kb^ changes to the color associated with "b". The backslash command COLOR can be used with a letter, or with a word to change colors of print.

Examples:

```
\color red
this line is printed in red
\definecolor c blue;color black
the word ^kc^blue^ka^ is in blue
\definecolor c cyan
now the word ^kc^blue^ka^ is in cyan
```

**this line will be printed in red**

the word **blue** is in blue

now the word **blue** is in cyan

White print works on a background of color:

**White h**

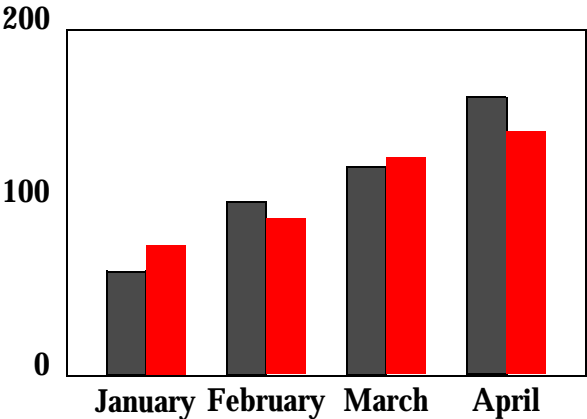
**PALETTE** is a new command to have LASER load a palette of colors from the HP3000 to the printer. Loading a palette makes many more colors available. The file **PALETTE.LASER.LARC** is a palette that will work with either the Color LaserJet or the PaintJet XL3000. The file named **PALETTE** in the **LASERDEM** group prints the 180 colors in the palette.

The colors from a palette are referenced by number. The 8 basic colors can be accessed by name, letter, or number when a palette is loaded on the printer. When referenced by number, black is zero, red is one, . . . and white is seven.

Colors may be specified for specific bars drawn by the **CHART** command. The letter "c" is followed by a number and appears after the "b" if the bar abuts the previous bar. If "b" is not used, the color command follows the value.

**Examples:**

```
\chart 2.7 2.0
0 200
\label 3
60 80 2 "January"
75 b c1 100
100 80 2 "February"
90 b c1 100
120 80 2 "March"
125 b c1 100
160 80 2 "April"
140 b c1 100
\chart end
```



```
\chart 2.7 1.8
0 200
\label 3
60 100 2 "January"
100 c1 100 2 "February"
120 c6 100 2 "March"
160 100 2 "April"
\chart end
```

