This file is:SCRNUSER.DOC

POSTSCRN 1.1 - COPYRIGHT (C) 1989 -FC BETTS
USER DOCUMENTS

CONTENTS:

POSTSCRN VERSION 1.1 - TSR (Terminate and Stay Resident) program for capturing IBM (or compatible) EGA text screens and converting the codes to PostScript code for printing on PostScript printers. Its purpose is to intercept the print screen key combination and to allow the user to convert the screen text into a PostScript file which can be sent to a PostScript printer whenever it is convenient for the user. It can use either Bitfont or egaFont listed below to have the full set of IBM compatible EGA characters or any other font if the screen is alpha-numeric only.

Bitfont - IBM EGA compatible bit font. It mimics the font by creating bit images for each of the characters. It was patterned after the bitfont demonstrated in the Adobe PostScript Cookbook and Tutorial (Blue Book). The hexadecimal font codes were extracted from a file created by the FONTEDIT program. The FONTEDIT program is available through PC Magazine's MagNet. It was featured in their September 13, 1988 issue. The font is designed to be downloaded to the PostScript printer and to stay available for use while the printer remains turned on - i.e. it is semi-permanent.

egaFont - IBM EGA compatible derived from Courier font. It uses the Courier font for as many characters as it can. It adds characters from the Symbol font set for as many more characters as possible, and finally new characters are created to complete the IBM EGA set. These are primarily the box characters. This font was also designed to be downloaded to the PostScript printer and to stay resident while the printer remains turned on - i.e. it is semi-permanent.

EXAMFONT - A utility that can be used to print the general font information available for any target font. This includes as many of the font dictionary items as possible such as: names of items in the dictionary, the FontMatrix, the FontType, FontBBox, FontName, PaintType, StrokeWidth, UniqueID, etc. The Encoding array names for all 256 character positions are also listed.

EXAMCSET - A utility that can be used to print an array of all of the characters available for any PostScript font. By changing the targetfont name in the EXAMFONT file and sending the file to the PostScript printer, the user can print a list of all 256 possible characters for that font. They are printed in 20 point type so that one can get a good look at them.

EXAMCHAR - A utility that can be used to print a large size character of any given character code in any given font. It is displayed on a 1000 by 1000 point grid and printed in the same relation to the grid as it was defined by the designer.

DIRECTIONS FOR USING POSTSCRN

POSTSCRN is a TSR and is loaded into memory by typing POSTSCRN. It will prompt you to input the name of the font that it is to tell the PostScript printer to use. Be sure to load that font into the printer before you send a file to be printed using the font. Most PostScript printers will use Courier font it they cannot find the font requested. Once POSTSCRN is in memory, you can invoke it by holding down the left shift key and pressing the Print Screen (PrtSc) key. If the PC is not in a text mode, you will hear musical tone indicating that POSTSCRN cannot be invoked. Otherwise, POSTSCRN will pop up and ask whether you want to capture the contents of the screen that you were just viewing and convert it to a PostScript file. If you decide to capture the text, POSTSCRN will tell you the name of the file that it has just created. You can then decide to remove POSTSCRN from memory or you can push any key to return to your previous program. POSTSCRN names the PostScript files consecutively from SCRN1.EPS. These files were designed to meet the encapsulated PostScript guidelines. You may edit them before you send them to the printer if you decide that you don't like the POSTSCRN defaults. The defaults were designed to display the text in landscape view on a standard 8.5 by 11 inch page using the same aspect ratio as an EGA display has.

A WORD ABOUT THE FONTS

Both Bitfont and egaFont involved spending inordinate amounts of time finding out how Adobe PostScript handles fonts and then actually creating the fonts. Hopefully, they should behave normally. If you have any suggestions or corrections, please send them to me. The egaFont builds upon the Courier font. The accent marks need to be present so that the font machinery can create the foreign character using that mark - e.g. cedilla for Ccedilla. If you need to print one of the IBM PC characters whose space is used by one of these marks, you can move the Encoding around to accomodate this. Be sure to delete all characters using a mark if you delete the Encoding for it.

A D V E R T I S E M E N T

To defray the costs of this development, I am asking that you send money based upon your usage. I am requesting the following:

POST	$10
POSTSCRN	$20
Bitfont	$20
egaFont	$25

or if you wish, $50 for the whole set. Please make your checks out to: Frank C. Betts and send them to:

Frank C. Betts
Veda Incorporated, Suite 200
5200 Springfield Pike
Dayton, OH 45431