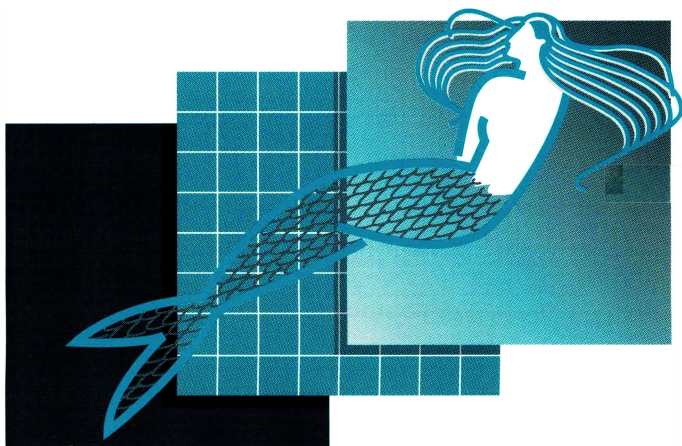


PacificPage™ P•E

POSTSCRIPT® LANGUAGE EMULATION CARTRIDGE



Application Setup and Printing Guide

PACIFIC
DATA PRODUCTS

ENHANCEMENT PRODUCTS FOR LASER PRINTERS

PacificPage™ P•E

POSTSCRIPT® LANGUAGE EMULATION CARTRIDGE

Application Setup and Printing Guide

PACIFIC
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General Information

Introduction

This booklet provides information on PostScript driver selection and printing procedures with several of the most popular application programs. This information is also available in the reference manual for your application program. If your program is not covered in this booklet, refer to your application program's reference manual for setup and printing information. You should thoroughly review your *PacificPage P•E User's Guide* before attempting to print with *PacificPage P•E*.

Downloading outline fonts (Optional)

With *PacificPage P•E* installed, you can supplement the fonts provided in the cartridge with outline fonts (soft fonts). The *PacificPage P•E* cartridge is compatible with Fontware™ Installation Kits and Fontware Typeface packages from Bitstream Inc. and with Adobe Type 1 fonts from Adobe Systems Incorporated. For instructions on installing Adobe Type 1 fonts, refer to your *Adobe Type Library User's Manual* or follow the brief instructions that may be provided in this book for your application software.

For instructions on installing Bitstream Fontware for the following software application programs, refer to the *Bitstream Fontware Installation Kit User's Guide* or to the appropriate software application section in this booklet: Ventura Publisher, WordPerfect 5.0 and 5.1, Microsoft Word 5.0, and Aldus PageMaker.

With additional printer memory installed, you can combine outline fonts with the fonts provided in the cartridge.

The cartridge is able to recognize 4.5 MB of printer memory. This allows you to use more downloadable outline fonts in conjunction with the cartridge. The following table provides a *general* guideline to the quantity of downloadable outline fonts you can use. Ensure that the outline fonts are installed as PostScript fonts, and that the printer selection matches the PostScript printer selected in your application program.

Additional printer memory installed in Hewlett-Packard IIP, IID, III, IIID	Downloadable outline font quantity
With 1 MB of additional printer memory	0-1 outline fonts
With 2 MB of additional printer memory	3-4 outline fonts
With 3 MB of additional printer memory	10-14 outline fonts
With 4 MB of additional printer memory	8-11 outline fonts*

**The number of downloadable fonts you can use decreases when 4 megabytes or more of printer memory are installed because the double buffering feature of the cartridge becomes active and shares the additional memory. With less than 4 megabytes of additional memory, the double buffering feature is not active.*

Caution

To allow downloading of Adobe Type 1 printer fonts to a parallel interface you must use the **PCSEND** Downloader file. This file may be obtained from Adobe Systems Incorporated. You can call Adobe at (415) 961-0911. **If you attempt to download Adobe Type 1 printer fonts without this file, you will temporarily disable your printer.**

Note

If you are downloading Bitstream Fontware: It is recommended that you use the QEM font descriptions to obtain the highest quality output. To download printer fonts to a parallel interface using the Bitstream PS_DOWN program, you must have the PS_DOWN program file dated 8/23/88, obtainable from Bitstream. This will not affect any of the instructions contained in this documentation. The version dated 6/12/89 will allow you to download fonts in serial mode only.

Notes

Installing the driver

To use *PacificPage P•E* with Ventura Publisher, you need to select a PostScript printer as your output device. Follow the steps below to select a PostScript printer and install the correct printer driver.

1. Insert Ventura's Applications Diskette (#1) into drive A.
2. From the DOS prompt type **A:VPPREP** and press **Enter**.
3. Identify the drive where Ventura is located.
4. At the "Are you installing this version for the first time?" prompt, type **N** (no) and press **Enter**.
5. Insert Ventura's Utilities Diskette (#5) into drive A and press **Enter**. "Copying Utilities..." will be displayed on the screen.
6. Identify which graphics card and display you are using.
7. Identify which mouse and communications port you are using.
8. At the "Which printer do you have?" prompt, select **F** (PostScript printer) and press **Enter**.
9. Identify which port your printer is using.

10. At the "Do you want to add another printer?" prompt, type **Y** (yes).
11. At the "Which printer do you have?" prompt, select your HP LaserJet 300 dpi printer. (You might want to select this printer option for PCL or non-PostScript mode printing).
12. Verify that the screen and printer choices are correct. Type **Y** (yes) and press **Enter**. Ventura will return you to the DOS prompt.

Printing a PostScript document

1. Enter the Ventura program and open the chapter you want to print.
2. From the Options menu select **Set Printer Info...**
3. Select **PostScript**.
4. Select the correct port (LPT1 or LPT2 for parallel - COM1 or COM2 for serial).
5. Select **Load Different Width Table**.
6. Select **POSTSCPT.WID** from the \Ventura*.WID directory. Select **OK**.
7. (POSTSCRIPT - Ultimate) should be displayed at the top of the SET PRINTER INFO menu. Select **OK**.
8. From the File menu select **To Print...**
9. Verify that (POSTSCRIPT - Ultimate) appears at the top of the PRINT INFORMATION menu. Select **OK**.

Printing to a file

1. Enter the Ventura program and open the chapter you want to print to a file.
2. From the Options menu select **Set Printer Info...**
3. Select **PostScript**.
4. At the port select option select **Filename**.
5. Load the **POSTSCPT.WID** width table if necessary.
6. (POSTSCRIPT - Ultimate) should be displayed at the top of the SET PRINTER INFO menu. Select **OK**.
7. From the File menu select **TO PRINT...**
8. Verify that (POSTSCRIPT - Ultimate) appears at the top of the PRINT INFORMATION menu. Select **OK**. The ITEM SELECTOR menu will be displayed on the screen.
9. At the Directory: prompt, type the drive and directory where you will store the file.
10. At the Selection: prompt, type your filename. Ventura will automatically create a .CØØ extension on the file. Select **OK**.

Copying PostScript files to your printer using a serial interface

When copying Ventura PostScript files from DOS to your printer using a serial interface, you must first copy the DTR.TXT file to your printer. This file is contained on the Ventura Utilities disk in the POSTSCPT directory. To copy this file to your printer, insert the Ventura Utilities disk into drive A. Type:

COPY A:\POSTSCPT\DTR.TXT COM1:
and press **Enter**.

Resetting printer timeout parameters

If the printer is taking a very long time to process data from a large or complex PostScript file, Ventura will automatically display a "Printer not Responding - retry or abort" message on the screen. If this happens often, you should reset the printer timeout parameters using the DOS infinite retry mode command. Enter the following command from the DOS prompt.

For parallel interface:

MODE LPT1:,,P and press **Enter**.

For serial interface:

MODE COM1:96,N,8,1,P and press **Enter**.

The "96" in the command above indicates the default baud rate of 9600. If your computer and printer are configured for a different baud rate, replace "96" with that number.

Refer to your *Ventura Publisher Reference Manual* for information on creating special PostScript effects using Ventura.

**Special
instructions
for users of
Ventura 3.0
GEM version**

If you have the Ventura 3.0 GEM version, you may encounter the following message when you install Ventura and select a PostScript driver:

Error: The GEM PostScript preamble is not available on your printer. Pre-download the preamble or include it with your print job. This print job has been aborted.

This message is not listed in the *Ventura Publisher Reference Guide*. This message is caused when the file PS2.PRE is either missing from the Ventura directory or has been corrupted. To restore the file, recopy the file PR2.PRE to the Ventura directory from the Supplemental Printer Driver Disk #11 of Ventura Publisher 3.0, or obtain the file from Xerox technical support.

Installing outline fonts (optional)

If you need additional fonts to supplement the fonts provided in the cartridge, you may install downloadable outline fonts. To install Adobe Type 1 outline fonts for use with Ventura Publisher, refer to your *Adobe Type Library User's Manual*. To install Bitstream outline fonts for use with your *PacificPage P•E* cartridge, follow the steps below.

Note

This procedure assumes that you have previously installed Bitstream Fontware for use with Ventura Publisher.

1. At the DOS prompt, enter your Fontware directory.
2. Type **FONTWARE** at the Fontware directory prompt.
3. Select **View Control Panel** and press **Enter**.
4. Select **PostScript Compatibles** as the printer choice and **PostScript Outline** as the character set for the printer. Press **F10**.

Note

Do not select **PostScript Outline** as the character set for display.

5. When the screen displays Make Fonts in the top center, press **Esc** to return to the Main Menu.
6. Select **Add/Delete Typefaces**. Press **Enter**.

7. Press **F3** and select the typefaces you want. Press **F10** to copy the fonts to the hard drive.
8. Press **F10** again. The Make Fonts screen will be displayed.
9. To create the printer fonts you want, highlight a typeface and press **Enter**. This places a "yes" next to the typeface name.
10. To create screen fonts, press **F2**. In the Display screen, enter the point sizes of the display fonts you want to create. Press **F10**. (The font files created will have a .PFA extension.)
11. Before you can use the fonts, you will need to merge the new width table with your present width table. To merge the width tables follow the instructions on page 4-4 of the *Bitstream Fontware Installation Kit User Guide for Ventura*.
12. To select outline fonts in Ventura, follow the usual procedure for selecting fonts.

Notes

Installing the driver

To use *PacificPage P•E* with WordPerfect 5.0 you must install a printer driver and select a PostScript printer as your output device. Follow the steps below to install the correct printer driver and select a PostScript printer:

1. Enter your WordPerfect program and insert your WordPerfect Printer Diskette #2 into drive A.
2. While holding down the **Shift** key, press **F7** to display the Print menu.
3. Type **S** (Select Printer).
4. Type **2** (Additional Printer).
5. Type **2** (Other Disk).
6. At the Directory for printer files: type **A:** and press **Enter**.
7. Use the down arrow key to highlight **Apple LaserWriter Plus/IINT/IINTX** (or **Apple LaserWriter Plus** on some older versions of WordPerfect 5.0). Press **1** (Select).
8. Press **Enter** to install the printer driver and update fonts. A Printer Helps and Hints screen will be displayed.
9. Press **F7** (Exit).
10. The Select Printer: Edit menu will be displayed. Verify that all information is correct and that the correct printer port is selected (the default is LPT1).

11. Press **F7** (Exit). The Print: Select Printer menu will be displayed.
12. Use the down arrow key to highlight **Apple LaserWriter Plus/IINT/IINTX** (or **Apple LaserWriter Plus** on some older versions of WordPerfect 5.0). Press **1** (Select).
13. Press **F7** (Exit) to return to the document level.

Printing a PostScript document

If you are printing a WordPerfect document that was previously formatted for PCL output, you must replace all PCL font codes with their PostScript equivalent typeface codes. To do this, first ensure that the Apple LaserWriter Plus/IINT/IINTX is the selected printer. Next, press **Alt-F3** (reveal codes), then delete each PCL font code from the document. Reselect the fonts you want to use in your document, then follow the steps below:

1. Press **Shift-F7** (Print).
2. Verify that the Apple LaserWriter Plus/IINT/IINTX is the selected printer.
3. Set print options (pages, number of copies, etc.).
4. Press **1** to print the full document or **2** to print the current page.

Resetting printer timeout parameters

If the printer is taking a very long time to process data from a large or complex PostScript file, WordPerfect will automatically display a "Printer not Responding - retry or abort" message on the screen. If this happens often,

you should reset the printer timeout parameters using the DOS infinite retry mode command. Enter the following command from the DOS prompt.

For parallel interface:

MODE LPT1:.,,P and press **Enter**

For serial interface:

MODE COM1:96,N,8,1,P and press **Enter**

The "96" in the command above indicates the default baud rate of 9600. If your computer and printer are configured for a different baud rate, replace "96" with that number.

Note

When creating tables using proportional fonts in WordPerfect, you must use tabs, not spaces between text. Also, fixed pitch fonts such as Courier must be used for line draw functions in WordPerfect.

Refer to your *WordPerfect Reference Manual* for information on creating special PostScript effects using WordPerfect.

Installing outline fonts (optional)

If you need additional fonts to supplement the fonts provided in the cartridge, you may install downloadable outline fonts. The following pages provide instructions for installing Adobe Type 1 and Bitstream downloadable outline fonts for use with your *PacificPage P•E* cartridge.

Note

To install Bitstream's non-QEM soft fonts, follow the instructions in the Bitstream Installation Kit for WordPerfect 5.0.

Adobe Type 1 downloadable outline font installation

To install the Adobe Type 1 fonts you must first obtain the Adobe Font Installation Program for WordPerfect 5.0 from your software retailer. You must also obtain the WPRINT6.ALL file for 5.0 from WordPerfect Corporation. To install Adobe Type 1 outline fonts for use with WordPerfect 5.0 and your *PacificPage P•E* cartridge, refer to your *Adobe Type Library User's Manual*.

Bitstream Fontware downloadable outline font installation

To install Bitstream Fontware outline fonts for use with WordPerfect 5.0 and your *PacificPage P•E* cartridge, follow the steps below. This procedure assumes that you have previously installed Bitstream Fontware for use with WordPerfect. Before installing outline fonts for the QEM printer, be sure you have set up Fontware for the Alternative PostScript PDL printer (QEM), and then choose the PostScript (Additional) printer in the Fontware Control Panel.

For QEM (Enhanced) font descriptions, a maximum download of 4 fonts is suggested if your printer has 2 megabytes of additional memory. A maximum of 8 fonts may be downloaded if your printer has 4 megabytes of additional memory. Be sure to increase the font resource quantity (located in the Cartridge and Font menu) to accommodate font descriptions: allow approximately 434K with 2 megabytes and 868K with 4 megabytes.

To generate downloadable fonts for QEM devices with WordPerfect 5.0 and combine them with the 35 resident fonts of the *PacificPage P•E* cartridge and Adobe Type 1 font descriptions, you must modify the WordPerfect WPRINT6.ALL file. You may obtain the WPRINT6.ALL file for WordPerfect 5.0 from WordPerfect Corporation.

You also need the PTR.EXE file (dated 11/89 or later), also obtainable from WordPerfect Corporation. You may combine Adobe, Bitstream, and *PacificPage P•E* cartridge fonts using the following procedure.

**Changing
the soft font
format type**

1. Using DOS, copy the WPPRINT6.ALL file to your WordPerfect directory. For example:
COPY A:WPRINT6.ALL C:\WP50
2. At the C:\WP50> prompt, type **PTR WPRINT6.ALL** and press **Enter**.
3. Highlight **PostScript (Additional)** and press **Enter**.
4. Highlight **Soft Font Format Type** and press **Enter**.
5. Highlight **Alternative PostScript Device (QEM)** or **Alternative PostScript Device (clone)** and mark it with an * (asterisk).
6. Press **F7** three times.
7. Press **Y** to save the file. Press **Enter** at the File to be Saved prompt.
8. Press **Y** to replace.
9. Press **Y** to exit the printer program.

Selecting the PostScript (Additional) printer

To select the PostScript (Additional) Printer, follow these instructions:

1. Enter your WordPerfect program.
2. Press **Shift-F7** to display the Print menu.
3. Press **S** Select Printer.
4. Press **2** Additional Printers.
5. Highlight **PostScript (Additional)** and press **1** to select it.

Combining outline fonts in the same document

To combine Adobe Type 1 fonts, Bitstream Outline Fonts, and *PacificPage P•E* cartridge fonts in the same document, follow these instructions:

1. Use the DOS copy command to place all of the font description files into one directory (if they are not already there).
2. Enter your WordPerfect program and press **Shift-F7** to display the Select Printer menu.
3. Press **S** Select Printer.
4. Press **3** Edit.
5. Press **6** Path for Downloadable Fonts.
6. Enter the path where the files reside.
7. Select fonts and print your document following the steps in "Printing a PostScript Document" in this chapter.

Installing the driver

To use *PacificPage P•E* with WordPerfect 5.1 you must install a printer driver and select a PostScript printer as your output device. Follow the steps below to install the correct printer driver and select a PostScript printer:

1. Enter the WordPerfect Install program. Select Apple LaserWriter IINTX according to the instructions given in the Install program menus.
2. Enter your WordPerfect program. While holding down the **Shift** key, press **F7** to display the Print menu.
3. Type **S** (Select Printer).
4. Type **2** (Additional Printer).
5. Use the down arrow key to highlight the Apple LaserWriter IINTX and press **I** (Select).
6. Press **Enter** to install the printer driver and update fonts. A Printer Helps and Hints screen will be displayed.
7. Press **F7** (Exit).
8. The Select Printer: Edit menu will be displayed. Verify that all information is correct and that the correct printer port is selected (the default is LPT1).
9. Press **F7** (Exit). The Print: Select Printer menu will be displayed.

10. Use the down arrow key to highlight the Apple LaserWriter IINTX and press **1** (Select).
11. Press **F7** (Exit) to return to the document level.

Printing a PostScript document

If you are printing a WordPerfect document that was previously formatted for PCL output, you must replace all PCL font codes with their PostScript equivalent typeface codes. To do this, first ensure that the Apple LaserWriter IINTX is the selected printer. Next, press **Alt-F3** (reveal codes), then delete each PCL font code from the document. Reselect the fonts you want to use in your document, then follow the steps below:

1. Press **Shift-F7** (Print).
2. Verify that the Apple LaserWriter IINTX is the selected printer.
3. Set print options (pages, number of copies, etc.).
4. Press **1** to print the full document or **2** to print the current page.

Resetting printer timeout parameters

If the printer is taking a very long time to process data from a large or complex PostScript file, WordPerfect will automatically display a "Printer not Responding - retry or abort" message on the screen. If this happens often, you should reset the printer timeout parameters using the DOS infinite retry mode command. Enter the following command from the DOS prompt:

For parallel interface:

MODE LPT1:,,P and press **Enter**

For serial interface:

MODE COM1:96,N,8,1,P and press **Enter**

The "96" in the command above indicates the default baud rate of 9600. If your computer and printer are configured for a different baud rate, replace "96" with that number.

Note

When creating tables using proportional fonts in WordPerfect, you must use tabs, not spaces between text. Also, fixed pitch fonts such as Courier must be used for line draw functions in WordPerfect.

Refer to your *WordPerfect Reference Manual* for information on creating special PostScript effects using WordPerfect.

**Installing
outline fonts
(optional)**

If you need additional fonts to supplement the fonts provided in the cartridge, you may install downloadable outline fonts. The following pages provide instructions for installing Bitstream and Adobe Type 1 downloadable outline fonts for use with your *PacificPage P•E* cartridge.

**Bitstream
Fontware
downloadable
outline font
installation**

Use the following procedure to install Bitstream Fontware outline fonts for use with WordPerfect 5.1 and your *PacificPage P•E* cartridge. This procedure assumes that you have previously installed Bitstream Fontware for use with WordPerfect. Before installing outline fonts for the QEM printer, be sure you have set up Fontware for the Alternative PostScript PDL printer (QEM), and then choose the PostScript (Additional) printer in the Fontware Control Panel as shown in the procedure below.

For QEM (Enhanced) font descriptions, a maximum download of 4 fonts is suggested if your printer has 2 megabytes of additional memory. A maximum of 8 fonts may be downloaded if your printer has 4 megabytes of additional memory. Be sure to increase the font resource quantity (located in the Cartridge and Font menu) to accommodate font descriptions: allow approximately 434K with 2 megabytes and 868K with 4 megabytes.

To generate downloadable fonts for QEM devices with WordPerfect 5.1 and combine them with the 35 resident fonts of the *PacificPage P•E* cartridge and Adobe Type 1 font descriptions, you must modify the WordPerfect WPPS5Ø.ALL file. The WPPS5Ø.ALL file is located on Printer disks 9 and 10 which you may obtain from WordPerfect Corporation (selecting PostScript (Additional) during installation will create the WPPS5Ø.ALL file).

Installing Bitstream Fontware 3.0

The procedure for installing Bitstream fonts for QEM is provided below. The procedure for installing Bitstream fonts for non-QEM immediately follows.

Installing Bitstream fonts for QEM

To install Bitstream fonts for QEM for WordPerfect 5.1:

1. In the DOS WordPerfect subdirectory, type **PTR** and press **Enter**. This will access the PTR program.
2. Press **Shift-F10** and then **F5**. A list of .ALL files will appear.
3. Select **WPPS1.ALL (Apple LaserWriter II NT)** or **WPPS50.ALL (PostScript Additional)**.
4. Select **Apple LaserWriter IINT**.
5. Select **Soft font format type**.
6. Select **Alternative PostScript PDL Printer (QEM)**. Type **Y** (Yes) to select the current.
7. Press **F7** twice.
8. Select **3**. Rename your printer by typing **(your name) (QEM) printer**.
9. Press **F7** and **Y** (Yes) to save the file. Type the appropriate path for the file. For example:

C:\WP51*(your name)*.ALL
10. Select **Y** (Yes) to exit the PTR program.

11. At the DOS WordPerfect directory prompt, type:

REN WPPS1.ALL WPPS1.OLD

or

REN WPPS50.ALL WPPS50.OLD

(either file will work)

12. Place the Fontware installation disk into drive A and type **A:** to change to drive A. (Substitute the appropriate drive letter if you use another floppy disk drive.)
13. Type **FONTWARE**.
14. Follow the prompts to re-install your Fontware (you must re-install to be able to access the QEM fonts). When asked for your printer selection, select **Alternative PostScript PDL printer (QEM)** and any other printers you need to use.

The Fontware setup control panel should look like this:

Directories for _____	
.ALL File	: C:WP51
Printer fonts	: C:\QEMFONTS
Printer _____	
Model	(your name) QEM printer
Character set	: PostScript

Your font file will be built. The fonts will pass through five phases as shown by the messages on the screen. If only four phases are displayed, you have installed Fontware incorrectly and must re-install.

15. Enter the WordPerfect program to install your soft fonts. For further information, refer to your *Bitstream Fontware 3.0 Installation Kit User Guide*.
16. Press **Shift-F7** and **S** (Select).
17. Press **2** (Additional Printers).
18. Select **(your name) (QEM) printer** and your Printer file name: _____**.PRS** and press **Enter**. The message "Updating files" will appear.
19. Press **F7** (Exit).
20. Select **6** (Path for downloadable fonts).
21. Type **C:\QEMFONTS** and press **Enter**.
22. Select **4** (Cartridges and fonts).
23. Select **Soft Fonts**.
24. Mark the fonts you need.

When marking fonts you can use the + (plus) or the * (asterisk). The + means that the font will be downloaded automatically each time you print a document.

The * means that you must download the font to the printer memory each time you print a document using the font (at the document level press **shift-F7** and **S** to select and then type **7** to initialize the printer).

Installing non-QEM Bitstream fonts

To configure your Fontware control panel for use with non-QEM fonts, set all selections as shown in the following illustration:

_____ Directories for _____	
.ALL File	: C:\WP51
Printer fonts	: C:\FONTS
_____ Printer _____	
Model	Apple LaserWriter____
Character set	: PostScript

Note

The Apple LaserWriter__ printer can be either the Plus, IINT, or IINTX.

Use the following procedure to build your fonts.

1. Enter your WordPerfect program and press **Shift-F7** to display the Select Printer menu.
2. Press **S** Select Printer.
3. Press **7** Update.
4. Press **Enter** to continue.
5. Press **6** Path for Downloadable Fonts and Printer Command Files.
6. At the cursor, enter the path where the files reside. For example:
C:\fonts
7. Press **4** Cartridges and Fonts.

8. Select the soft fonts by highlighting the desired soft font and pressing **Enter**.

When marking fonts you can use the + (plus) or the * (asterisk). The + means that the font will be down-loaded automatically each time you print a document.

The * means that you must download the font to the printer memory each time you print a document using the font (at the document level press **Shift-F7** and **S** to select and then type **7** to initialize the printer).

9. Press **F7** two times to return to the document level.

Combining fonts

You may combine Adobe, Bitstream, and *PacificPage P•E* cartridge fonts using the following procedure.

1. Use the DOS copy command to place all of the font description files into one directory (if they are not already there).
2. Enter your WordPerfect program and press **Shift-F7** to display the Select Printer menu.
3. Press **S** Select Printer.
4. Press **3** Edit.
5. Press **6** Path for Downloadable Fonts.
6. Enter the path where the files reside.
7. Select fonts and print your document following the steps in "Printing a PostScript Document."

Changing the soft font format type

1. Install the PostScript (Additional) file according to the instructions accompanying the WordPerfect 9 and 10 printer diskettes. Selecting PostScript (Additional) will create the WPPS5Ø.ALL file.
2. At the C:\WP51 prompt, type **PTR WPPS5Ø.ALL** and press **Enter**.
3. Highlight **PostScript (Additional)** and press **Enter**.
4. Highlight **Soft Font Format Type** and press **Enter**.
5. Highlight **Alternative PostScript Device (QEM)** or **Alternative PostScript Device (clone)** and mark it with an * (asterisk).
6. Press **F7** three times.
7. Press **Y** to save the file. Press **Enter** at the File to be Saved prompt.
8. Press **Y** to replace.
9. Press **Y** to exit the printer program.

**Adobe Type 1
downloadable
outline font
installation**

To install the Adobe Type 1 fonts you must first obtain the Adobe Font Installation Program for WordPerfect 5.1 from your software retailer. For further information on installing Adobe Type 1 outline fonts for use with WordPerfect 5.1 and your *PacificPage P•E* cartridge, refer to your *Adobe Type Library User's Manual*.

Caution

To allow downloading of Adobe Type 1 printer fonts to a parallel interface you must use the **PCSEND** Downloader file. (The PCSEND file must be larger than 35,000 bytes.) This file may be obtained from Adobe Systems Incorporated. You can call Adobe at (415) 961-0911. **If you attempt to download Adobe Type 1 printer fonts without this file, you will temporarily disable your printer.**

You must also obtain the WPPS5Ø.ALL file for WordPerfect 5.1 from WordPerfect Corporation. The WPPS5Ø.ALL file for WordPerfect 5.1 is located on WordPerfect printer disks 9 and 10. Install these files according to the directions accompanying the diskettes.

To install Adobe Type 1 fonts for WordPerfect, follow the procedure below.

1. Insert the Adobe installation diskette into drive A and change to drive A by typing **A:** and pressing **Enter**. (Substitute the appropriate drive letter if you use another floppy disk drive.)

2. Type **Install**. Press **Enter**.
3. Select **1**. Select WordPerfect and press **Enter**.
4. Press **D** (Do application). Press **Enter**.
5. Select **Y** (Font downloader).
6. Select **Y** (PSDOWN.EXE).
7. Select **Y** (PCSEND.EXE). Press **Enter**. Select **yes** twice.
8. Select the fonts you want by pressing **Enter** and then **D** (Do fonts). Insert the diskette requested.
9. Enter the WordPerfect program.
10. Press **Shift-F7**. Press **S** (Select).
11. Select **PostScript (Additional Printer)**. If you do not have this printer file, contact WordPerfect to order it.
12. Press **3** (Edit).
13. Select **6** (Path for downloadable fonts).
14. Type **C:\PSFONTS** and press **Enter**.
15. Select **4** (Cartridges and Fonts).
16. Select **Soft fonts**.

17. Select the font number and then the font.

When marking fonts you can use the + (plus) or the * (asterisk). The + means that the font will be down-loaded automatically each time you print a document.

The * means that you must download the font to the printer memory each time you print a document using the font (at the document level press **Shift-F7** and **S** to select and then type **7** to initialize the printer).

Selecting the PostScript (Additional) printer

To select the PostScript (Additional) Printer, follow these instructions:

1. Enter your WordPerfect program.
2. Press **Shift-F7** to display the Print menu.
3. Press **S** Select Printer.
4. Press **2** Additional Printers.
5. Highlight **PostScript (Additional)** and press **1** to select it.

Combining outline fonts in the same document

To combine Adobe Type 1 fonts, Bitstream Outline Fonts, and *PacificPage P•E* cartridge fonts in the same document, follow these instructions:

1. Use the DOS copy command to place all of the font description files into one directory (if they are not already there).
2. Enter your WordPerfect program and press **Shift-F7** to display the Select Printer menu.
3. Press **S** Select Printer.
4. Press **3** Edit.
5. Press **6** Path for Downloadable Fonts.
6. Enter the path where the font description files reside.
7. Select fonts and print your document following the steps in "Printing a PostScript document."

Installing the driver

To use *PacificPage P•E* with Word 5.0 you will need to install a printer driver and select a PostScript printer as your output device. Follow the steps below to install the correct printer driver and select a PostScript printer:

1. Insert the Microsoft Word Utilities 1 diskette into drive A.
2. From the DOS prompt type: **A:SETUP** and press **Enter**.
3. When the first screen is displayed, press **Enter** once more and then type the appropriate letter for your type of disk drive (**H** for hard drive or **N** for network).
4. Identify the directory where your Word program is stored.
5. Verify that the selected drive and directory are correct and press **C** (Continue).
6. At the Setup Menu press **P** (Copy printer support to hard disk).
7. Press **5** to select the Apple Laser-Writer Plus, and press **Enter**.
8. Press **F** (Finish printer installation).
9. Insert the Word Utilities/Printers disk in drive A and press **Enter**.

10. Press **Enter** to continue.
11. Press **Q** (Finish and Quit Setup).
Press **Q** again (Quit Setup).

Printing a PostScript document

If you are printing a Word document that was previously formatted for PCL output, you must replace all PCL font codes with their PostScript equivalent typeface codes.

1. Load the document you want to format (**Esc, Transfer, Load**).
2. Press **Esc, Print, Options**.
3. Use the arrow keys to highlight **PRINT OPTIONS printer:** and press **F1** to display a list of printers.
4. Use the down arrow key to highlight **POSTSCRIP** and press **F1** to select it. Press **Enter** to return to the document level.
5. Press **Shift-F10** (to highlight the entire document), or press **F6** and use the arrow keys (to highlight selected characters or text).
6. Press **Esc, Format, Character**.
7. Use arrow keys to highlight **font name:** and press **F1** to display a list of available fonts.
8. Use arrow keys to highlight a *Pacific-Page P•E* font and press **F1** to select it.

9. Use arrow keys to highlight **font size:** and type the point size you want to use. Press **Enter**.

Note

Microsoft Word supports PostScript fonts in any even numbered point size between 2 and 128 points.

10. To print the document, press **Esc**, **Print**, **Printer**.

Resetting printer timeout parameters

If the printer is taking a very long time to process data from a large or complex PostScript file, Word will automatically display a "Printer not Responding - retry or abort" message on the screen. If this happens often, you should reset the printer timeout parameters using the DOS infinite retry mode command. Enter the following command from the DOS prompt.

For parallel interface:

MODE LPT1:,,P and press **Enter**

For serial interface:

MODE COM1:96,N,8,1,P and press **Enter**

The "96" in the command above indicates the default baud rate of 9600. If your computer and printer are configured for a different baud rate, replace "96" with that number.

Note

Due to limitations of the Microsoft Word software, you cannot preview PostScript graphics files using the Print preView function in Microsoft Word.

Bold, proportionally spaced fonts may extend beyond the margins of your document.

Text may extend beyond the boundary of a box or line drawn with the cursor line draw function (CNTL F5) if the font is larger than 12 point. For the box or line to print correctly, it must be formatted for LineDraw 12.

Refer to your *Microsoft Word Reference Manual* for information on creating special PostScript effects using Word.

Installing outline fonts

If you need additional fonts to supplement the fonts provided in the cartridge, you may install downloadable outline fonts. To install Adobe Type 1 outline fonts for use with Microsoft Word 5.0, refer to your *Adobe Type Library User's Manual*. To install Bitstream outline fonts for use with Microsoft Word 5.0 and your *PacificPage P•E* cartridge, follow the steps below.

Note

This procedure assumes that you have previously installed Bitstream Fontware for use with Word 5.0.

1. At the DOS prompt, enter your Fontware directory.
2. Type **FONTWARE** at the Fontware directory prompt and press **Enter**.
3. Select **View Control Panel** and press **Enter**.
4. Press **F7** to change selections.
5. Highlight **Printer Model**.
6. Select **PostScript Interpreter Emulation Printer**.
7. Highlight **Character Set**.
8. Select **PostScript**.
9. Press **F10** to enter your settings.
10. Press **Esc** to return to the Main Menu.
11. Select **Add/Delete Typefaces** and press **Enter**.

12. You must now re-select your typefaces so that the PostScript information will be loaded for them.
13. When you have finished selecting typefaces, press **F10**. The Make Fonts screen will be displayed.
14. To create the fonts you want, highlight a typeface and press **Enter**. This places a "yes" next to the typeface name. Press **F10**.
15. When prompted, name the PRD file. Press **Enter**. (The files generated will have a .PSF extension.) After generating the fonts, Fontware will automatically return to DOS.

Selecting the printer file

After the fonts have been generated, load the new printer file into Word (refer to your *Microsoft Word User's Guide* for instructions on loading printer files). Select the name of your new printer file (instead of **POSTSCRIP**) when you press **F1** to display a list of printers. Select fonts in the normal manner.

Microsoft Windows 2.1x, 3.0

Installing the driver

To use *PacificPage P•E* with application programs running under Windows 2.1/3.0 you will need to select a PostScript printer as your output device. Follow the steps below to select a PostScript printer and install the correct printer driver:

Windows 2.1x

1. Enter your Windows program and select **Control.exe** to access the Control Panel. (For Windows Run-Time, click on —, located at the extreme top left of the screen and then select **Control Panel** from the dialog box.)
2. Select **Installation** from the Control Panel Main Menu.
3. Select **Add New Printer**.
4. Insert the *Windows Utilities 2 and Fonts Disk* into drive A. Select **OK**.
5. Select **PostScript Printer** from the list of printers. Select **Add**.
6. Type the drive and directory where you would like the driver file copied and select **Yes**.
7. Select **Setup** from the Control Panel Main Menu.
8. Highlight **PCL/HP LaserJet** and change the port selection to **None**.
9. Highlight the PostScript Printer and select the proper port.

Note

You cannot have two printers installed on the same port.

10. Select **OK** to return to the Control Panel Main Menu.
11. Select **Setup** from the Control Panel Main Menu.
12. Select **Printer...**
13. Highlight **PostScript Printer** and select **OK**.
14. Select **Apple LaserWriter IINT/NTX** from the list of PostScript printers.
15. Select **Options** to define margins, tiling, errors, handshaking, and job timeout. At this time, you should download the header if it has not already been downloaded. To download the header, follow the instructions in this chapter under *Downloading the Header*.
16. Select **OK** twice to return to the Control Panel Main Menu.

Windows 3.0

1. Using a DOS or ASCII editor open the WIN.INI file in the Windows directory. Most word processors have this ability. For further information, see your application manual.
2. Look for the heading [PrinterPorts] and change the end of the command line to 45,300. For example:

```
[PrinterPorts]
PCL / HP LaserJet=HPPCL, None,45,300
PostScript Printer=PSCRIPT, None,45,300
PostScript
(Micrografx)=MGXPS,LPT1:,45,300
```
3. Save the WIN.INI file as a DOS or ASCII file. Do not save as a word processor file since this adds undesired commands to the file.
4. Open the icon labelled "Main."
5. Select **Control Panel**.
6. Select **Printers**.
7. Select **Add Printer**.
8. Highlight **Apple LaserWriter II NT/NTX (PostScript Printer)**.
9. Select **Install**.
10. Insert the Windows printer diskette into drive A. Identify the appropriate drive and directory where you would like the driver file copied. Click **OK**.
11. Select **Configure**.
12. Select the appropriate port.

13. Change the Printer Timeouts to the following settings:

Device Not Selected: **45**

Transmission Retry: **300**

14. Select **Setup**.
15. Click on the down arrow for **Printer Selection**.
16. Select **Apple LaserWriter II NTX**.
(You may need to click on the up arrow to find it.) At this time, you should download the header if it has not already been downloaded. To download the header, follow the instructions in this chapter under *Downloading the Header*.
17. Click **OK**.
18. Exit the printer control panel.

Print as usual making sure all other settings and baud rate (if applicable) are correct. These settings are made through the Port option. See your User's Guide for the correct settings.

Note

If you want to use Windows 3.0 with an application that is not yet fully supported for Windows, enter the Windows program using the command **WINDOWS/R** at the DOS prompt. For instance, If you have installed Windows in a directory named **WINDOWS** on your **C:** drive, you would type the following bolded commands at the **C:** prompt:

```
C:\>CD WINDOWS  
C:\WINDOWS>WINDOWS/R
```

The **/R** command will allow you to print using the cartridge.

Downloading the header

A PostScript header must be downloaded before you print from a Window's application. You may choose to have the header automatically downloaded with each print job (recommended) or you may manually download the header each time you start your Window's application. The following instructions apply to *all* applications running under a Window's environment.

Automatically downloading the header

1. Select **Setup** from the Control Panel Main Menu.
2. Select **Printer. . .**
3. Highlight **PostScript Printer (appropriate port)** and select **OK**.
4. Select **Options**.
5. At the Header: prompt, select **Download each job**.
6. Select **OK** twice to return to the Control Panel Main Menu.

Manually downloading the header

1. Select **Setup** from the Control Panel Main Menu.
2. Select **Printer. . .**
3. Highlight **PostScript Printer** and select **OK**.
4. Select **Apple LaserWriter IINT/NTX** from the list of PostScript printers.
5. Select **Options**.
6. Select **Header. . .**
7. Select **Printer**.
8. Select **OK**.
9. At the Header: prompt, select **Already downloaded**.
10. Select **OK** twice to return to the Control Panel Main Menu.

Resetting printer timeout parameters

Because large or complex PostScript files can take a long time to process, you should reset the printer's timeout option for the following settings:

1. Select **Setup** from the Control Panel Main Menu.
2. Select **Printer...**
3. At the Printer Timeouts (seconds) option box, change the **Device not selected** option to **45 seconds**.
4. Change the **Transmission Retry** option to **300 seconds**.

Note

If you later experience problems with these settings, you can maximize the settings to:

Device Not Selected: **99**
Transmission Retry: **999**

5. Select **OK**. Select **OK** again when the Printer Selection Menu reappears.
6. Select **Exit** from the Control Panel Main Menu.

Handshaking for a serial interface

If you use a serial interface, you must set handshaking to the "Hardware" setting. Follow the procedure below to set handshaking:

1. Select **Setup** from the Control Panel Main Menu.
2. Select **Communications Port...**
3. At Port, select **COM1** or **COM2**.
4. At Handshake, select **Hardware**. Select **OK** to return to the Control Panel Main Menu.
5. Select **Setup** from the Control Panel Main Menu.
6. Select **Printer...**
7. Highlight **PostScript Printer on COM1:** (or COM2: if appropriate). Select **OK**.
8. At the Printer Specifics Dialog Box, select **Options**.

9. Select **Handshaking...**
10. At Set Handshaking to:, select **Hardware.**
11. At Permanently alter the printer's handshaking?, select **OK.**

Installing outline fonts (optional)

If you need additional fonts to supplement the fonts provided in the cartridge, you may install downloadable outline fonts.

Installing Adobe Type 1 fonts

To install Adobe Type 1 fonts for Windows, follow the procedure below.

Caution

To allow downloading of Adobe Type 1 printer fonts to a parallel interface you must use the **PCSEND** Downloader file. (The PCSEND file must be larger than 35,000 bytes.) This file may be obtained from Adobe Systems Incorporated. You can call Adobe at (415) 961-0911. **If you attempt to download Adobe Type 1 printer fonts without this file, you will temporarily disable your printer.**

1. Insert the Adobe installation diskette into drive A and change to drive A by typing **A:** and pressing **Enter**. (Substitute the appropriate drive letter if you use another floppy disk drive.)
2. Type **Install** and press **Enter**.
3. Select **1**. Select Windows and press **Enter**.
4. Press **D** (Do application). Press **Enter**.
5. Select **Y** (Font downloader).
6. Select **Y** (PSDOWN.EXE).
7. Select **Y** (PCSEND.EXE). Press **Enter**. Select **yes** twice.
8. Press **D** (Do fonts). Insert the diskette requested. The fonts will be written into your WIN.INI file.

9. Enter the Windows program.
10. Enter the WIN.INI file.

Add *\fontname_____PFB* to the end of every font name. For example:

```
SOFTFONT 1=C WINDOWS\DLW_.PFM\DLW_.PFB
```

The number of underscores plus the characters in the font name must total eight.

11. Save the WIN.INI file. The fonts will be ready to use when you enter your Windows application.

If you want to download the fonts to printer memory, use Adobe PCSEND.EXE or PSDOWN.EXE. Refer to your application program reference manual for information on creating special PostScript effects with your software.

Installing Bitstream fonts for QEM in Windows

To install Bitstream fonts for QEM in Windows, make sure you select the Alternative Postscript PDL Printer (QEM) and any other printers you wish to use during the printer installation portion of the Fontware installation program.

To configure your Fontware control panel, set all selections as shown in the following illustration:

Directories for	
MS Windows	: C:\ <i>your windows directory</i>
Printer fonts	: C:\winfonts
Display	
Model	
Character set	Ansi Windows
Printer	
Model	: Alternative Postscript PDL (QEM) printer
Character set	: Postscript
printer port	: ALL

1. Insert the Fontware installation diskette into drive A and change to drive A by typing **A:** and pressing **Enter**. (Substitute the appropriate drive letter if you use another floppy disk drive.)
2. Type **FONTWARE** and press **Enter**.
3. Follow the prompts to re-install your Fontware (you must re-install to be able to access the QEM fonts). When asked for your printer selection, select **Alternative PostScript PDL printer (QEM)** and any other printers you need to use.

4. Build your fonts. Follow the instructions in your *Bitstream Fontware 3.0 Installation Kit User Guide*.

The font building process will consist of five steps. If only four steps are completed, your fonts were installed incorrectly. Repeat the process.

The fonts will be written into your WIN.INI file. They will be ready to use when you enter the application.

5. Enter the Windows application and select the Apple LaserWriter printer. Refer to the "Windows 2.1x" or "Windows 3.0" section to determine the name of the menu to open.

Installing Bitstream fonts for Windows

To install Bitstream fonts for Windows make sure you select the Apple LaserWriter (Plus, IINT, or IINTX) when you select the printers you need during the Fontware installation program.

Directories for _____	
MS Windows	: C:\your windows directory
Printer fonts	: C:\winsfont
_____ Display _____	
Model	_____
Character set	Ansi Windows
_____ Printer _____	
Model	: Apple LaserWriter ____
Character set	: Postscript
printer port	: ALL

1. Build your fonts. Follow the instructions in your *Bitstream Fontware 3.0 Installation Kit User Guide*.

The fonts will be written into your WIN.INI file. They will be ready to use when you enter the application.

2. Enter the Windows application and select the Apple LaserWriter printer. Refer to the "Windows 2.1x" or "Windows 3.0" section to determine the name of the menu to open.

Notes

Micrografx Designer 2.0

Installing the driver

To use *PacificPage P•E* with the Micrografx Designer application running under Windows 3.0 you will need to select a PostScript printer as your output device. Follow the steps below to select a PostScript printer and install the correct printer driver:

1. Enter your Windows program and select **Main** from the Program Manager window.
2. Select **Control Panel**.
3. Select **Printers** from the Control Panel window.
4. In the Installed Printers dialog box, highlight **PostScript (Micrografx) on LPT1, Active**.

If the command is set "Inactive," click on **Active** in the Status window.

5. Select **Configure...** from the list of Printers window.
6. From the **Printers - Configure** window, select **LPT1:** from the Ports dialog box.
7. Set the Timeouts (seconds) to:
Device Not Selected: **45**
Transmission Retry: **300**
8. Select **Setup...** The "PostScript Printer on LPT1:" window is displayed.

9. Select the correct **Paper Size** and **Orientation** for your specific needs.
10. Close all the windows by clicking **OK**.

Note

When using Designer with Windows, it is recommended that Windows be run as WIN/R and the Print Manager spooler be set ON. Also, use the Micrografx Designer PostScript driver.

Follow the Microsoft Windows 2.1x, 3.0 setup instructions of this guide before printing with PageMaker. After the Windows setup is complete, follow the steps below to print a PostScript document using PageMaker.

Printing a PostScript document

1. Access PageMaker and select **Printer Setup...** from the File menu.
2. Ensure that **PostScript printer** on the correct port is highlighted. Select **Options**.
3. At the **Header** option, select **Download each job**.

Note

If you are printing to a file, select Header. At **Send header to:**, select **File**.

4. Select **Print...** from the File menu.
5. At the Print menu, select options for number of copies, collation, pages, etc. Select **OK**.
6. If you are printing a file that was previously composed for PCL mode output, PageMaker will display **Recompose entire publication for PostScript printer?** Select **OK**.

Note

You may incur formatting errors when using the "recompose" feature in PageMaker. In this case, reselect the fonts in your document using the Type Spec option in the Type menu.

Installing outline fonts

If you need additional fonts to supplement the fonts provided in the cartridge, you may install downloadable outline fonts. To install Adobe Type 1 outline fonts for use with PageMaker, refer to your *Adobe Type Library User's Manual*. To supplement the fonts provided in the *PacificPage P•E* cartridge with Bitstream Fontware Outline fonts, follow the instructions below.

Preliminary installation

Before using the Bitstream Fontware Installation Kit that is bundled with Aldus PageMaker 3.0, follow the steps below to make the kit PostScript compatible so that it can be used with *PacificPage P•E*.

1. If you have previously installed Bitstream Fontware for use with Aldus PageMaker, go to step 5. If you have not installed Bitstream Fontware, proceed with step 2.
2. Install the Fontware package according to the procedure in the Fontware manual.
3. Add the Courier, Swiss, Dutch, and Symbol A Prop typefaces to your Fontware package but **DO NOT** make fonts with these typefaces. These fonts are resident in the *PacificPage P•E* cartridge.
4. Press **Ctrl-Q** to exit Fontware.

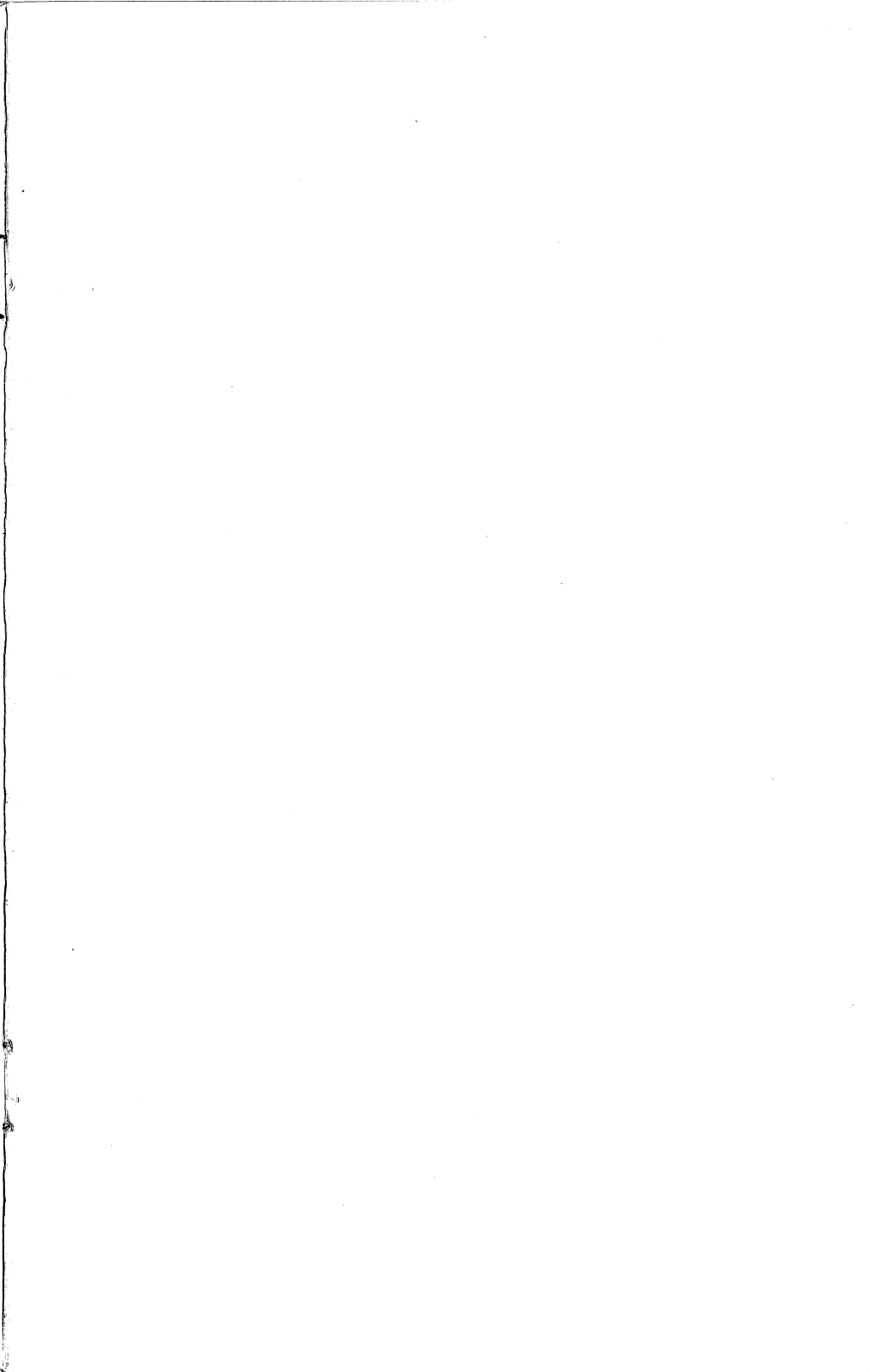
5. In the DOS Fontware subdirectory, type **FW_PS_ON**. Press **Enter**. Your Fontware installation kit is now PostScript compatible.
6. Delete the Courier, Swiss, Dutch, and Symbol A Prop typefaces.

Installing Bitstream Fontware outline fonts

To install Bitstream Fontware outline fonts for use with Aldus PageMaker 3.0 and the *PacificPage P•E* cartridge, follow the steps below.

1. At the DOS prompt, enter your Fontware directory.
2. Type **FONTWARE** at the Fontware directory prompt.
3. Select **View Control Panel** and press **Enter**.
4. Select **PostScript interpreter emulation printer** as the printer choice and **PostScript Standard** as the character set for the printer. Select the printer port. Press **F10**.
5. Press **ESC** to return to the Main Menu.
6. Select **Add/Delete Typefaces**. Press **Enter**.
7. Press **F3** and select the typefaces you want. Press **F10** to copy the fonts to the hard drive.
8. Press **F10** again. The Make Fonts screen will be displayed.

9. To create the printer fonts you want, highlight a typeface and press **Enter**. This places a "yes" next to the typeface name.
10. To create screen fonts, press **F2**. In the Display screen, enter the point sizes of the display fonts you want to create. Press **F10**. (The font files created will have a .PSF extension.)
11. Press **Ctrl-Q** to exit Fontware.



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