**PSEnveloper 3.2**
A Word for Windows 1.0/1.1 macro
To print envelopes on PostScript printers


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This file is part of a collection of macros known as the Word for Windowsä Office POWER Packä (yeah, we're gonna go legit and claim a Trademark).  **WOPR,** pronounced "Whopper", consists of 17 documents / files / macros / programs – with WinWord it's hard to tell the difference!  Here's the packing list, with filenames listed in blue, if you have a color monitor:

- Þ   ~~**WOPR.DOC**~~, which contains seven useful Little**WOPR**s:
    - ·   WOPRClock 1.1 – WinWord's answer to Big Ben
    - ·   LABELIT 1.0 – No-hassle three-at-a-time (3.3 x 4.0 inch) labels
      Labelit has one associated file, ~~AV5164.LAB~~
    - ·   VIEWER 1.0 – View the ASCII characters that correspond to what's on your screen
    - ·   COPY LIBRARY – Canned WordBASIC commands and routines, ready-to-use
    - ·   FANCY KEYS 1.0 – Pick and choose predefined power-user key assignments
    - ·   KILLER 1.0 – Yep, you can finally do a File Delete
    - ·   WORD COUNTER 1.0 – Counts words in a document, or just the ones you select
- Þ   ~~**2X4.DOC**~~, Two-by-Four 1.0 – save paper squeezing 2 or 4 pages on one sheet
- Þ   ~~**FILENEW.DOC**~~, Replaces WinWord's old FileNew.  Makes template management a breeze.  From Lee Hudspeth & Associates and Plan B Consulting (a joint venture).
- Þ   ~~**TREASURE.DOC**~~, A Treasure Hunt for new, useful menu assignments and macros you can use every day.  From Ellen Nagler and ENDuser Systems, Boston.
- Þ   ~~**ENVR32.DOC**~~, Enveloper 3.2 – print envelopes on LaserJets, DeskJets, compatibles. Enveloper has four associated files:
    - ·   ~~DEMODNLD.EXE~~ and ~~DEMOUNLD.EXE~~, demo's of Neil Taylor's Download
    - ·   ~~YOUR.PCL~~ and ~~DONTBEND.PCL~~, two sample logos to try on your printer
- Þ   **PSENVR32.DOC**, PostScript Enveloper 3.2 – PostScript envelopes, from Vince Chen! PS Enveloper has five associated files:
    - ·   ~~FONTDIR.EXE~~, ~~.PIF~~, and ~~.TXT~~, Vince Chen's PostScript font routines
    - ·   ~~&LOGO.PFB~~ and ~~FONTLIST.PS~~, which are used by FONTDIR
- Þ   ~~**DNGR20.DOC**~~, Dinger 2.0 – insert any character from any font into your documents, which includes ENDuser Systems' QwikSymbol


All of these 17 files are to be distributed together, as one package, known as the
~~§~~

The files are often grouped as a pair of self-extracting files called
§

*If you are missing any of these files, you do not have the entire **WOPR** package:  contact the person or company that sent you the files, to ensure you receive any missing pieces.*


Want to play Global Thermonuclear War?  Heh heh.....

No, we've never seen **War Games**......

# PostScript Enveloper 3.2

An important disclaimer:

Lest there be any confusion: Microsoft® and Word for Windowsä are Registered Trademarks of Microsoft Corporation,
a big, innovative company based in Redmond, Washington.
**WOPR** is from Pinecliffe International, a tiny, innovative outfit atop the Colorado Rockies.
We like the folks at Microsoft – and we love their products – but  please don't think for a moment that we PineNutsä work for Microsoft, or that **WOPR** is a Microsoft product!

When you register **WOPR** – a mere $49 for individuals, less for organizations – you will receive **all** of the following:

· A diskette with the ~~latest versions~~ of **WOPR, 2 X 4, FileNew, Treasure, Enveloper, PS Enveloper,** and **Dinger** including bug fixes, the latest tips and tricks, and notices about everything else we're working on;

· A fancy, printed, perfect-bound **Enveloper** ~~manual~~, with a very helpful index (it really comes in handy during installation, when you're curious about a specific feature, and it's a real pain to interrupt the installation and flip through the Enveloper document);

· Your very own **Enveloper** ~~Cheat Sheet~~ to reduce smudging on your envelopes – a true collector's item, suitable for framing, in genuine 67 lb. Vellum Bristol-Cover;

· ~~Unlimited free support~~ via mail or CompuServe for 90 days;

· Notification and ~~guaranteed lowest prices~~ on new Pinecliffe International products, some of which may surprise you (heck, the way things are going right now, some of 'em may surprise *us!*);

· Access to our trusty friends at Advanced Support Group via their ~~900-number~~, where expert help costs $2/minute;

· ~~Free~~ sign-up to ~~CompuServe~~, with a free $15 usage credit; ~~Discounts~~ on subscriptions to Shareware Magazine;

· ~~Discounts~~ on future Pinecliffe International WinWord macros; and,

· Most importantly – Our sincere ~~thanks~~ for making all of this possible.

In addition, you'll be placed on our ~~mailing list~~ for early notification about upgrades and special offers.  If you like **WOPR, 2 X 4, FileNew, Treasure Hunt, Enveloper, PS Enveloper,** and the rest, we think you'll really like the other goodies comin' down the pike.

   Registration is easy, on-line, off-line, by mail or phone, day or night, with a check or a credit

card, money order, cash, negotiable Treasury Certificates, Bearer Bonds, Travelers Checks, whatever.  We (try to) make a living from your registration fees: they are important; they keep us going!

~~Double-click~~

If you're new to **Enveloper**, skim over this document first, then:

<center>~~To~~</center>

<center>**To**</center>

~~European PSEnvelopers Note:  There is no more need to "Metrify".  Just double-click on install and click "Yes" when it asks you if you want to use European sizes.~~

~~NEW FEATURE:  Custom Envelope Sizes at RUN-TIME!  Now you can use an envelope size that is not one of the three defaults.  All you have to do is measure the envelope and type in the size.  Great for sending cards, since those sizes are NEVER the same.~~

**PSEnvelope** is a macro that prints envelopes on PostScript printers.  It is derived from Woody Leonhard's Enveloper 3.2.  Indeed, it really differs only in the font/fontsize handling and the data that it sends to the printer.  The structure of the macro remains the same, retaining goodies such as "SkipLines", "QwikPrint", POSTNET bar codes, and "PrintMerge".

The documentation presented here is also borrowed from Enveloper 3.2.  Much of what follows is taken verbatim.  Significant differences are highlighted in ~~blue~~, although it will be useful only on a color monitor.  If you already know Enveloper 3.2 – or if you've read the fancy printed manual – concentrate on the stuff in ~~blue~~.

~~PSEnveloper 3.2 consists of six files~~
  ~~PSENV32.DOC~~      ~~Instructions and Installation~~
  ~~&LOGO.PFB~~      ~~Downloadable logo fonts for Characters "1" and "2"~~
          ~~(Just "Your LOGO Here!" and "DO NOT BEND OR X-RAY")~~
  ~~FONTDIR.EXE~~      ~~DOS Font §(i.e., not a Windows Application)~~
  ~~FONTDIR.TXT~~      ~~Instructions for FONTDIR~~
  ~~FONTDIR.PIF~~      ~~PIF file, just makes the window close on completion~~
  ~~FONTLIST.PS~~      ~~Prints a list of all currently available fonts in the printer by their~~
          ~~PostScript Names!~~

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This ASP service is *in addition to* Pinecliffe International's solid-gold no-questions-asked

lifetime money-back guarantee.  Look in the WOPR documentation, **WOPR.DOC,** -for details.

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**Using PSEnvelope**

**PSEnvelope** starts by trying to "grab" an addressee from your document. (Normally, you'll run **PSEnvelope** after you've written a letter, while the letter is still showing on your screen.) **PSEnvelope** grabs in one of three ways:

1) If you've "selected" a block of text (by highlighting it or "turning it black"), **PSEnvelope** grabs the selected text and uses it as the addressee (the selection must be > 10 characters long, and if it's very long it will be truncated to 215 characters and eight lines); otherwise,

2) If you have a defined bookmark called "NameAddress" --- which is a popular name in WfW templates --- **PSEnvelope** will grab everything in that bookmark as the addressee (again, truncated to 215 characters and eight lines); otherwise,

3) If you enabled "§" during initial installation, **PSEnvelope** will start at the top of your letter, skip a set number of lines down (to jump over your logo, address, date, whatever --- see "§" below), then gather the first bunch of non-blank lines that it finds and use that as an addressee (again, max eight lines, 215 characters.)

**PSEnvelope** then presents your grabbed addressee for changes. You can accept the grabbed addressee or type in an entirely new addressee on-the-fly. You also can change the print font, ~~font size,~~ bold, and/or italic. ~~You can even specify a pre-downloaded soft font --- see "§" below. If you also specified a soft font, however, you are asked if you want to use the same soft font for the rest of the fields. If you answer "No", the default fonts will still be used for the return address and note.~~) **PSEnvelope** scans the end of the addressee and tries to identify a 5- or 9-digit ZIP code. If a ZIP is found it's presented for you to accept or modify – or you can type in a totally new ZIP manually. The ZIP is used on laser printers to print a bar code conforming to the U.S Postal Service's POSTNET standards.

If you're a Power User, familiar with **PSEnvelope**'s requirements – and you're happy with all the defaults you've installed – you can click the "QwikPrint" box at this point, and you're done.

~~If you've specified a soft font to use, **PSEnvelope** will ask if you want to use the same soft font for the rest of the fields (return address and note). If you answer "No", you can still use the same soft font by typing the name again in the appropriate places later. Likewise, if you answer "Yes", you can delete or change the name that **PSEnvelope** automatically entered for you.~~

Next, **PSEnvelope** asks you to specify a return address. You can select from three different return addresses --- ones you typed in during the installation process --- or you can enter a completely different return address on-the-fly. A blank return address prints as – surprise! – no return address at all. Again, you can choose fonts, ~~font sizes, soft fonts,~~ bold, or italic, and you can make the first line different from the others. If you installed a logo (or two or three), you pick it here. ~~If you choose a §, you MUST make sure that the correct Logo Font is selected and that the Point size is correct for your Logo.~~

Then **PSEnvelope** lets you choose from three different preset envelope sizes: Standard Business #10, Monarch, or the little Personal envelope #6. ~~There is an additional choice for custom-sized envelopes. If you choose this option, the following dialog box will give you a chance to type in the envelope size. You must use decimal numbers, fractions are not supported.~~ You can tack on a "Note" (e.g., "Foreign Air Mail", "Interoffice Mail"), and specify its font. You also can tell **PSEnvelope** if you want to feed your envelope manually, or use an envelope feeder, if your printer has one, ~~although I'm not at all certain that it will work for the feeder.~~ Finally, you can choose to print more than one copy. ~~If you do choose to enter a custom sized envelope, be sure to select the "Note", envelope feeder, and number of copies before continuing on to the envelope customizing dialog box.~~

~~At this point, if you have specified any soft fonts for any of the fields, **PSEnvelope** will ask you if you have already downloaded the fonts to the printer. If you have not, you should click "Cancel" to abort the macro, otherwise, you'll end up with the Courier font. This is necessary, since **PSEnvelope** has no way to keep track of your downloadable fonts.~~

When **PSEnvelope** prints, it writes directly to the printer, so it doesn't much around with your WinWord Portrait/Landscape setting, change your page format, etc.; it just non-nonchalantly takes complete control of the printer. To compensate for this rudeness, **PSEnvelope** ~~returns your printer to you to exactly the same state by executing a "save" before it starts and a "restore" after it finishes.~~

~~Since PostScript supports rotation, **PSEnvelope** rotates the image by -90 degrees, placing the return address at the leading edge of the envelope. According to Mr. Leonhard, this~~ greatly reduces the chances of smudging.

~~**Soft Fonts**~~

~~**PSEnvelope** supports downloadable soft fonts, with some restrictions. The soft font *must* be downloaded before using **PSEnvelope**. The *exact* PostScript font name must be used in the dialog box. For example, if you want to use the Adobe Garamond Bold Italic font, you must type "AGaramond-BoldItalic". The bold and italic checkboxes have no effect. If you did not check "QwikPrint", you will be reminded to download the required fonts to the printer and given a chance to abort before printing. Note: § may be specified during installation. This will eliminate the need to type in the PostScript name every time. You just select it from the list.~~

## Customizing and Installing

You customize and install **PSEnvelope** by clicking up at the top of this document.  ~~Make sure to close all open macro windows (Ctrl-F4), or you might get the mystic "Unrecoverable Application Error" message during installation.~~

The routine works by running macros attached to this document, and then copying your customized macro into WfW as a global macro.  If you don't understand this stuff, don't worry.  Just click and stand back!

You can install and reinstall **PSEnvelope** to your heart's content.  Each time you reinstall, though, you start over from scratch; unless you specifically change **PSEnvelope**'s name during installation, your old version of **PSEnvelope** is wiped out.

Each time **PSEnvelope** is updated, the Install routine cleans up everything from previous incarnations.  Leave the "**PSEnvelope**" name alone and **PSEnvelope** will tidy up after itself.

**PSEnvelope** adds itself to the end of your ~~"Utilities"~~ pull-down menu.  Once installation is complete, you can run **PSEnvelope** by simply clicking on ~~"Utilities"~~, then "**PSEnvelope**" (or whatever new name you might give **PSEnvelope**.)  That's as complicated as it gets...

A few notes on customizing:

·   Return Addresses:  **PSEnvelope** can take up to three return addresses.  Make your most-used return address the first one so you can use QwikPrint more often.   You can leave one or more of the return addresses blank, if you like – when you run **PSEnvelope**, choosing a blank return address will (surprise!) result in no return address being printed on the envelope.

·   **SkipLines**:  **PSEnvelope** "straight out of the box" disables SkipLines (i.e., SkipLines is set OFF).  You can turn SkipLines ON during installation by typing in a number between 0 and 20.  If your letters always start about the same (e.g., logo, blank line, address, blank line, date), SkipLines can make your life much easier –  you won't have to select the addressee before running **PSEnvelope**, plant a Bookmark, or worry about your mouse missing the last number of a ZIP code!  Count the number of lines you usually have at the beginning of your letters, and use this as "SkipLines".  Play around until you get it right – it'll save you gobs of time.

·   **QwikPrint**: You can now set QwikPrint "ON" during installation.  Please make sure you've played around with **PSEnvelope** for awhile before turning QwikPrint "ON"; its behavior can be a bit abrupt if you're not used to it.  Setting QwikPrint "ON" during installation causes the first dialog box (the one that shows you an addressee) to have QwikPrint already checked when it comes up.  You can then make sure the addressee is right, click "OK", and whistle a tune while **PSEnvelope** does everything else.

·   Macro name:  You specify a macro name other than "**PSEnvelope**".  If you're just a casual **PSEnvelope** user, don't mess around with the macro name.  But if you're installing

several versions of **PSEnvelope** (with, say, different sets of return addresses, different default fonts, or printers), this dialog box gives you the flexibility to name **PSEnvelope** anything you like.  The new name will be appended to your "~~Utilities~~" pull-down menu.  Blanks are OK, but avoid punctuation marks.

The only tough parts of installation – rolling your own permanent soft fonts and setting up logos– are so tough, they're included in §̶and §̶Give yourself a break and learn to use **Enveloper** with your printer's built-in fonts before you jump into the cartridge font and logo abyss. ~~There are also PostScript printers out there with more than the standard 35 PostScript fonts.  The users that would like to access those extra fonts must also go through the § Section.~~

## Advanced Topics

### Permanent Soft Fonts

Installing new fonts in **PSEnvelope** is much easier than do the same with Enveloper, mostly because PostScript font handling is easier to deal with.  For one, you don't need to specify a separate font for each size (Type 1 fonts are scalable.)  All you really need is the family name for the font you wish to use (any name you choose), and the REAL PostScript names for each flavor of the font (Normal, Bold, Italic, Bold Italic).  You don't have to have all the flavors of a font.  You can use the same font for all of them, which just means that clicking on "Bold" and/or "Italic" in **PSEnvelope** menus will have no affect.

But "How do I know what the PostScript name are?" you ask?  No sweat.  Just use the handy PostScript file FONTLIST.PS to ask your printer.  Download all the fonts you wish to use to the printer as permanent soft fonts, the type

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In a few seconds, your printer will churn out a page listing all the fonts it currently know about.  Unfortunately, the list is not sorted in any particular order, but it's better than nothing.  (Note:  You can substitute for LPT1 with your printer port, i.e., COM1, LPT2, etc.)

### Font Downloading

But "How do I download the fonts in the first place?"  No problem.  If you don't already have your favorite downloader, I've included one called FONTDIR.  It can be used in DOS Command line mode (so you can include it in your AUTOEXEC.BAT file), or it can be used interactively.  All it needs is some help in finding your PostScript font files (.PFB files).  You set an environment variable named PSFONTS which contains a list of directories in which your fonts reside so that you don't have to change to that directory every time you want to download a font.  Each directory specification must end with a '\' and each directory is separated by a comma.  Example:

---

will tell FONTDIR to look in the currently directory for any fonts, then it will look in the directory "C:\WINDOWS\PSFONTS\", and finally it will look in the directory D:\MOREFNTS\.  To download
the font PRESE____.PFB, just type:

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See FONTDIR.TXT for more details.

When you install **PSEnvelope**, you'll be asked if you want to add your own fonts.  If you click YES, you should be prepared with a list of all the PostScript Font Names necessary to tell your printer which fonts you're using.  Then, one at a time, follow the installation routine's examples

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to feed **PSEnvelope** the font names.  The "Family Name" and the "PostScript Name - Normal" fields are required.  If you don't have the BOLD, ITALIC, and/or BOLD ITALIC versions of the font, you don't have to put anything there.  The only consequence if that the "Bold" and "Italic" buttons for this font will have no effect, the "Normal" font will be used.  If, however, you have, for example, Optima and Optima-Italic, you can enter "Optima" in both the "Normal" and "Bold" boxes and "Optima-Italic" in both the "Italic" and "BoldItalic" boxes.  Postscript is CASE-SENSITIVE, so be careful.

(If you comment out certain lines in the **PSEnvelope** macro, you can have **PSEnvelope** invoke FONTDIR!  This may be handy if you forget, or don't want, to pre-download your fonts.  You need to adjust the path name.  Search for "fontdir.exe", 2 places)

**Logos!**

Logos are no problem if you can make it into a PostScript font, using programs like CorelDRAW! and the included WFNBOSS font translator.  The only drawback is that the logo is limited in complexity.  I can make **PSEnvelope** use any Encapsulated PostScript (EPS) files of arbitrary complexity as logos, but it will be prohibitively SLOW.  The EPS files must be download for EACH envelope (I'm not aware of any alternatives, but I'm looking into it.)  In addition, I don't seem to able to copy the EPS file directly to the printer using WinWord macros (Shell command) without getting Sharing Violations.  (Most people should use share.exe in a multi-tasking environment like Windows.)  Using "LineInput" and "Print" statements in a "While" loop to copy the EPS File to the printer is not very fun!

Anyway, assuming you have a logo that has been converted into a font, all you have to do is tell **PSEnvelope** which character of the font you'd like to use and at what point size.  Specifying a 72 point font size will give you, roughly, an one inch square logo.  YES! Your Logos can be scaled to ANY size you want!   You can even add additional lines underneath the logo by entering the lines in the Return Address, Text section.  If you have CorelDRAW!, you can convert any of their symbol fonts into PostScript fonts and use them as your logo.

There are just a few things you must be aware of.
1. You must specify you want to add additional fonts during **PSEnvelope** Installation, and specify the correct name for you logo font.
2. You must download the font each time you turn your printer on.
3. In the Return Addresses Menu box, you must enter the logo font name in the "First Line Only" section.  You must also choose the correct font size.

**Test Drive**

As an example, I have provided a sample logo font file. To see **PSEnvelope** in action with Logos and foreign characters, just make sure that all the UNZIPped files are in the same directory as this document, PSENV32.DOC. and Double-click  A sample address has been entered. Just click OK and an envelope will be printed. (Use a sheet of paper instead and manually feed it into the printer.)  You might get a warning from Windows about sharing LPT1 with DOS, just say YES to let Windows take control.

**European Envelopers**

Want to convert **PSEnvelope** to metric envelope sizes?  Quite a few Euro**Enveloper**s asked for that feature in the previous version.  So, here.  Surprise!  It's easier than ever.  Just answer "Yes" to the dialog when you click on the "Install" button at the top of the Document!  That should do it.  There's no more need to make a backup copy of **PSEnvelope** first.

Printing umlauts and other "foreign" characters should not be a problem.  I'm using the ANSI encoding that the Windows PostScript driver is using.  What you see on screen should be also what you see on the envelope.

Placement of the printed fields on an envelope can be subjective.  I've come up with a reasonable formula that works well with any sized envelopes.  This is what makes custom-sized envelopes possible.  You can fiddle with the placement if you like, they are lines that look like Str$ (LeftEdge + 24) or Str$(TopEdge - 18).  The numbers are in units of points (1 point = 1/72 inch = 25.4/72 mm).  The envelope page is defined as positive going right, and positive going up.  Have fun.

Eastern European and Pacific Rim **Enveloper**s – and anyone who has the guts to try **PSEnvelope** with a non-Roman character set (Hebrew, Arabic, Thai, Kanji, Lao, Sanskrit, Pali, Tibetan, whatever) – please drop us a line and let us know how things work out.

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PSEnvelope 3.2 PostScript extensions to Enveloper 3.2
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San Jose, CA
USA

Example Address:

Sample Addressee
0000 Some Street
Münich, Français
City, State 10000-1111