



This guide provides information on installing, configuring and using Pegasus Mail for Windows, and on how you can obtain technical support and assistance.

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To see the contents of any of the topics shown above, click on the topic. To finish using Help, hold down the <Alt> key and press <F4>, or if you are using Windows 95/98/NT, simply press <Esc>.

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Information about Pegasus Mail

Pegasus Mail is an electronic mail system, provided free of charge as a service to the broader community of people seeking to benefit from electronic mail: you may use Pegasus Mail on as many systems as you wish without cost or obligation. Manuals may be purchased for the program but manual purchases are optional - you are under no obligation to purchase a manual.

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An overview of the Pegasus Mail system

Pegasus Mail is an electronic mail program that can be used in a very wide range of environments, and which is especially well-suited to Internet mail. Individual users with a connection to the Internet via an Internet Service Provider such as PSI or Netcom can use Pegasus Mail to send and retrieve mail. Pegasus Mail has special support for Novell NetWare local area networks and operates in that environment with almost no maintenance and with a number of extra capabilities. In NetWare mode, Pegasus Mail can take advantage of a powerful Internet mail transport system called Mercury developed by Pegasus Mail's author.

Pegasus Mail is a very comprehensive and powerful system offering a long list of features and capabilities, a small selection of which is shown below:

- * CC, BCC, Reply-to addressing supported.
- * Automatically keep copies of all your outgoing mail
- * Support for the Internet IMAP4 remote mailbox access protocol
- * Message templates allow you to design your own mail forms
- * Message encryption (scrambling) using a very secure algorithm, with the ability to use encryptors developed by third parties.
- * Up to 64 attachments per message
- * Support for all Internet attachment encodings
- * Full support for all versions of NetWare MHS
- * Comprehensive editor with spelling checker (60,000 words)
- * Glossary feature speeds up entry of common text and phrases
- * Minimal installation (via simple setup program), and practically no ongoing maintenance
- * Mail filtering rules - automate your mail processing.
- * Delivery and proof-of-reading confirmation supported.
- * Extensive address book features with aliasing.
- * Distribution lists allow mailing to hundreds or thousands of users
- * Extremely user-configurable with a rich range of preference settings
- * Save messages in progress for later retrieval
- * Extremely comprehensive context-sensitive online help
- * Comprehensive support for the Internet MIME multimedia messaging standard
- * Public noticeboards/discussion groups
- * Address completion on address fields
- * Huge range of sorting and searching options for your mail
- * Hierarchical foldering (having mail folders within other mail folders) allows you to organize your mail in the way that seems most logical to you.
- * Very rich support for the POP3/SMTP Internet mail protocols, allowing you to access your mail with any Internet Service Provider using a standard WINSOCK.DLL file like the one supplied with Windows 95. Pegasus Mail can access an unlimited number of POP3 mailboxes at an unlimited number of sites.
- * User-defined gateways - Pegasus Mail lets you design your own mail transport for practically any purpose - fax, dialup mail, remote printing and more.
- * MailMerge capability allows you to create form letters and fill them out so they look like they have been custom-sent.
- * Extensions: Pegasus Mail has a very powerful "plug-in" manager allowing developers to create their own extra functions that look and behave just like part of the program.

In the Novell NetWare environment, Pegasus Mail also offers the following:

- * Excellent support for Novell NetWare local area networks - Pegasus Mail takes full advantage of the NetWare environment and has support for both NetWare 3.x and 4.x.
- * Extensive supervisor controls on system features
- * Direct access to user lists from the NetWare Bindery (or from NetWare Directory Service under NetWare 4.1) and (if present) the NetWare MHS directory files.

- * Autoforwarding (except when using NetWare MHS)
- * Broadcast notification messages announce that new mail has arrived
- * List users logged-in to your server and send them messages
- * Mail directly to NetWare Groups.

Getting the software

You're reading this, so you've evidently managed to get the Pegasus Mail software from somewhere, but for your information, the officially-maintained sources for Pegasus Mail are:

1: By checking our home page, <http://www.pmail.com>

This site contains all the current versions and lots of useful information.

2: Via anonymous FTP on the Internet:

risc.ua.edu, in /pegasus (North America)

ftp.let.rug.nl, in /pegasus (Europe)

ftp.usm.maine.edu in /pegasus (North America)

pegasus.topnz.co.nz, in /pegasus (South Pacific)

3: Using your Web Browser

<http://risc.ua.edu/pegasus> (North America)

<http://www.let.rug.nl/pegasus> (Europe)

<ftp://ftp.usm.maine.edu/pegasus> (North America)

<ftp://pegasus.topnz.co.nz/pegasus> (South Pacific)

4: BBS's

Sorry, can't help you. Pegasus Mail is widely-carried on BBS systems, but no specific system is officially supported nor can be relied on to have the most up-to-date versions of the program.

You can also obtain the Pegasus Mail software by sending us a self-addressed **unstamped** envelope and US\$10 or equivalent (no cheques please) to cover postage and the cost of the diskette. Send to:

Pegasus Mail, c/- David Harris
P.O. Box 5451,
Dunedin,
New Zealand.

Important information about this release.

In the last few months we have seen an upsurge in the use of Pegasus Mail to send bulk unsolicited electronic mail. We regard this use as incompatible with the aims and goals of the program, which are to improve the quality of communication between people. Accordingly, the terms and conditions of use of Pegasus Mail have been modified to incorporate the following paragraphs:

- 3: The supply or promotion of Pegasus Mail for the purpose of sending bulk, unsolicited e-mail is incompatible with the basic aims of the program, which revolve around the free provision of a service that enhances the quality of communication between people. Pegasus Mail may not be included in any package designed for this purpose, whether free or otherwise, nor may vendors of such packages use the "Pegasus Mail" trademark or other related material in the promotion of their package. Similarly, we do not consider bulk, unsolicited e-mail to be an appropriate use of Pegasus Mail and reserve the right to decline technical support, or the sales of manuals to people using it for this purpose.
- 3a: Prohibited use: Pegasus Mail may not be used for the purpose of **sending** Bulk Unsolicited Commercial Electronic Mail. For the purposes of this section, this shall be construed to mean electronic mail sent to a total of more than 50 recipients for the purpose of advertising a commercial product or service, where the recipient has not explicitly expressed interest in receiving such advertisements.

Vendors or suppliers currently including Pegasus Mail in their bulk e-mail or mass-mail products are hereby required to remove copies of and all references to the Pegasus Mail software from their products.

Known problems in this release

* The <Tab> key will not navigate correctly from control to control in the *Options and Preferences* dialog in the 16-bit version of WinPMail v3.x (this problem does not exist in the 32-bit version). We are looking for a solution to this problem in a future release.

A **signature** is a fragment of text that Pegasus Mail adds automatically to the end of every outgoing message you send. Your signature usually contains information describing how to contact you, such as your phone number, fax number, e-mail address and so on.

Because some of the information you might put in your signature (especially your e-mail address) is defined by the way your message is sent (for instance, your Internet e-mail address is almost always different from your MHS address if you use both systems to send mail), Pegasus Mail allows you to define signature sets, where each set contains signature information for the three possible ways your message could travel - locally, via the Internet, or via MHS. If you only ever use Internet mail then you only have to define an Internet mail signature.

Notes applying only to the 32-bit version

If you have downloaded the 32-bit version of WinPMail, then please note the following points about that version:

* The Win32 version is intended for use on Windows NT v4.0 or later or on Windows 95/98 systems. It will not run on Windows 3.1 systems with Win32S installed, or on Windows NT v3.5x. The 16-bit version of WinPMail runs perfectly well in all of these environments.

* If running the Win32 version in NetWare mode, please be aware that it will ONLY work if you are using Novell's Client/32 requester: it will NOT work with the Microsoft NetWare requester because of incompatibilities between Microsoft's code and the Novell interface libraries used by Pegasus Mail. This problem can only be corrected by either Novell or Microsoft - it is outside our control. This restriction does NOT apply to the 16-bit version of WinPMail - if you prefer to use Microsoft's NetWare support modules, we suggest you use the 16-bit version until either Microsoft or Novell come out with a correction.

Year 2000 Compliance

Pegasus Mail v3.x and its companion server product, Mercury, have been extensively tested to confirm that they will cause no difficulties at the turn of the millenium.

For a complete summary of the testing methodology used and the areas examined, please send any mail message to faq-y2k@pmail.gen.nz. This will automatically retrieve a document outlining our compliance initiative.

Installing Pegasus Mail for Windows

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System requirements

In order to run WinPMail you must have the following:

All implementations:

- * A 286 PC or better
- * Microsoft Windows 3.1 or later (Windows 95 recommended)
- * Minimum 4MB recommended (WinPMail uses about 700K in normal operation, but may use more).
- * VGA (640x480) 16-colour display adaptor or better. EGA/Hercules are not supported, nor is Mono VGA.

For use in Novell NetWare networks:

- * Any version of NetWare later than 2.12.
- * A shell version later than 3.26; VLMs recommended.
- * NetWare Windows support files properly installed.

For use with Windows Sockets implementations:

- * A properly-installed TCP/IP stack
- * WINSOCK.DLL compliant with WinSock v1.1 or later.

Installing the Pegasus Mail files

To install the Pegasus Mail program and support files, simply run the Pegasus Mail distribution archive, which is a self-extracting installer. The setup program will ask you a couple of very simple questions and will then ask you where you would like it to install the system's files. Step by step instructions for getting to the point where you can run Setup are at the end of this section. Setup will create a Program Manager Group containing the Pegasus Mail program, this file, and the Pegasus Mail online help file. You can run Pegasus Mail simply by double-clicking the program icon.

* If you are installing Pegasus Mail for use on a Novell NetWare file server, you should tell Setup to install Pegasus Mail into a publicly-accessible directory, although we recommend that you do **not** install into SYS:PUBLIC. Because of the constraints of the DOS and Windows systems, you must give Setup an installation path expressed either relative to a drive letter (in DOS format) or else as a UNC path (e.g, \\SERVER\VOL\PATH), **not** using the NetWare path format.

* If you are installing Pegasus Mail for use on a local area network other than Novell NetWare, you should tell Setup to install the files onto a publicly-accessible volume on your network.

* If you are installing Pegasus Mail on a single machine you can put the program files anywhere.

Connecting Pegasus Mail to an Internet Service Provider

Pegasus Mail can be used to send and receive Internet e-mail via an Internet Service Provider (also known as an ISP) using a dial-up connection. It is beyond the scope of this document to advise you on selecting an Internet Service Provider -- we assume that you have already selected one and have arranged your account.

In order to access the Internet via an ISP, you need to have a file called WINSOCK.DLL installed on your computer: your ISP should already have supplied you with this file and instructions on how to set it up.

Before you run Pegasus Mail, you will also need to know the following information, which your ISP should also already have given you. If you do not have all the information shown below, contact your ISP's help desk and ask them for it. We apologise in advance if there is a certain amount of "computer jargon" in the following section - we have tried to word it in such a way that your ISP will know what information to give you. Note down the information on a piece of paper and have it handy the first time you run Pegasus Mail.

Your e-mail address

The address other people will use to send you mail.

Your POP3 username, or login name

The name of your account on the ISP's mail host. This is usually simply the text preceding the '@' sign in your e-mail address.

Your password

The password that lets you login to your account with the ISP.

The name of your ISP's POP3 mail server

The machine to which Pegasus Mail should connect in order to retrieve your mail.

The name of your ISP's SMTP server

The machine to which Pegasus Mail should connect when sending mail

You will need to supply this information to Pegasus Mail the first time you run it.

Internet Service Provider (or ISP) an organization that offers connections to the Internet, a world-wide computer network linking millions of people. An ISP can provide you with a gateway to the Internet, including your own e-mail address, for a small fee each month (around \$20 per month is not unusual in the USA). You can dial into the ISP at any time to collect your e-mail or access Internet services such as the World-Wide-Web. When you are not connected, the ISP's machines accept e-mail on your behalf and store it until the next time you log in.

Installing for a single person on a single machine

If your mail needs are such that you will only have a single person running Pegasus Mail on a single computer using a single e-mail address, then follow these steps:

1: Run the Setup program following the instructions provided in the section entitled [Installing the Pegasus Mail files](#).

2: Double-click the Pegasus Mail icon in the Windows Program Manager or Explorer Group created for you by Setup.

3: Pegasus Mail will ask you to select an operating mode - click on the topmost button



4: WinPMail will ask you for a mailbox directory - a place where it should store all your mail-related files. Unless you have a good reason for doing so, we recommend that you use the directory name WinPMail offers you.

That's all there is to it! If WinPMail can detect a valid WINSOCK.DLL file on your system (WINSOCK.DLL is a separate program that allows you to connect to the Internet) it will ask you if you would like to configure Pegasus Mail to use it.

Installing for multiple people on a single computer

If any of the following descriptions matches your e-mail needs, you should install Pegasus Mail using the instructions in this section:

- * You wish to have more than one person reading or sending mail from one computer
- * You want to receive mail using multiple e-mail addresses
- * You want to keep separate, different configurations for Pegasus Mail (for example, you might want to have one version configured with settings appropriate for business use and another configured for personal use).

1: Run the Setup program following the instructions provided in the section entitled Installing the Pegasus Mail files.

2: Double-click the Pegasus Mail icon in the Windows Program Manager or Explorer Group created for you by Setup.

3: Pegasus Mail will ask you to select an operating mode - click on the second button



4: WinPMail will ask you for a mailbox directory - a place where it should store all your mail-related files. Unless you have a good reason for doing so, we recommend that you use the directory name WinPMail offers you. WinPMail will create a subdirectory in the location you supply for each person who uses the program.

5: Pegasus Mail will ask you to enter one or more usernames. Usernames are the tags the program uses to identify which files belong to which person on your system. A username can have up to eight characters and cannot contain spaces or special characters. As a general rule it's best to use something simple, like each person's first name. You can add as many people to the system as you wish, and at least one (usually yourself) must be set up as an administrator - a person who can add and remove other people from the mail system.

That's all there is to it! If WinPMail can detect a valid WINSOCK.DLL file on your system (WINSOCK.DLL is a separate program that allows you to connect to the Internet) it will ask you if you would like to configure Pegasus Mail to use it.

Installing on a network other than Novell NetWare

If you have a local area network that is not running Novell NetWare, you can install Pegasus Mail to allow the different people on your network to exchange mail with each other by following the steps in this section.

1: Run the Setup program following the instructions provided in the section entitled Installing the Pegasus Mail files.

2: Double-click the Pegasus Mail icon in the Windows Program Manager or Explorer Group created for you by Setup.

3: Pegasus Mail will ask you to select an operating mode - click on the bottom button



4: WinPMail will ask you for a mailbox directory - a place where it should store all your mail-related files. You must provide a path to a directory on a shared volume that all your mail users can access. It is important that all your mail users see this directory using the same drive letter - you cannot have one user see it as drive F: while another sees it as drive G:. WinPMail will create a subdirectory in the location you supply for each person who uses the program.

5: Pegasus Mail will ask you to enter one or more usernames. Usernames are the tags the program uses to identify which files belong to which person on your system. A username can have up to eight characters and cannot contain spaces or special characters. As a general rule it's best to use something simple, like each person's first name. You can add as many people to the system as you wish, and at least one (usually yourself) must be set up as an administrator - a person who can add and remove other people from the mail system.

That's all there is to it! If WinPMail can detect a valid WINSOCK.DLL file on your system (WINSOCK.DLL is a separate program that allows you to connect to the Internet) it will ask you if you would like to configure Pegasus Mail to use it.

How to run Pegasus Mail as a particular person

When you run Pegasus Mail in a non-NetWare environment, you have to tell it what your username is so that it can find your mail files correctly. There are three ways you can do this:

1: Just run the program and it will open a dialog asking you to enter your name.

2: Use the `-i <username>` switch on the commandline. You can create multiple icons for Pegasus Mail, each one invoking the program with a `-i` switch for a different user. This is probably the most appropriate way of handling multiple users on one machine. Note that the `i` switch cannot be used in NetWare mode - for that, you should use the `-u` switch, which has extra security checks and which forces extra authentication information to be written into messages sent during the session.

3: Set a PMUSER environment variable which is set to the name of the user running the program. This approach is not very useful in the Windows environment, since you have to exit to DOS to change the environment.

Installing Pegasus Mail in the Novell NetWare environment

Pegasus Mail has special support for Novell NetWare Local Area Networks. It is able to make special system calls to find out information about other people on the file server and can deliver mail to them automatically without further configuration. If you are using Novell NetWare 3.x on your file server, you can run Pegasus Mail simply by installing the files and running the program - no further configuration is required (NetWare 4.1 requires a little extra configuration). The remainder of this section covers the various extra capabilities you can enable for Pegasus Mail in the Novell NetWare environment.

Installing the files under NetWare

Modifying the System Login Script

Selecting a server at runtime (NetWare 3.x only)

Granting extended features to users

Enabling delivery between servers (NetWare 3.x only)

Configuring Pegasus Mail to use Mercury or Charon

Configuring Pegasus Mail to use NetWare MHS or Connect²

Feature control using NetWare groups

Installing the files under NetWare

You can use WinPMail's Setup program to install the program on your file server. If you prefer to install the files manually, login as *SUPERVISOR* (or *Admin* under NetWare 4.1) and follow these steps

To install WinPMail on a Novell NetWare server, copy the files `WINPMAIL.EXE`, `WINPMAIL.HLP`, `WPNNW3.DLL` (or `WPNNW4.DLL` for NetWare 4.1 systems) and `WINPMAIL.DAT` to a public directory on your file server: note that all four must be in the same location. If you want to use the Spelling checker option in WinPMail, then you must also place the file `PMDICT3.PMD` in the same directory or somewhere on the DOS path. The files `BWCC.DLL` and `NWCALLS.DLL` (and also `NWNET.DLL` and `NWLOCALE.DLL` for NetWare 4.1) should be placed in one of the following locations:

- * Anywhere on the DOS path
- * In `\WINDOWS\SYSTEM`
- * In the same directory as `WINPMAIL.EXE`

If you install WinPMail on the file server, make sure that `WINPMAIL.EXE`, `WINPMAIL.HLP` and `WINPMAIL.DAT` are all flagged `SHAREABLE` - this is very important. WinPMail.exe cannot be flagged `Execute-only` (nor can any Windows application, in fact).

NetWare 3.x: existing users can use the program immediately. There are no extra steps required when creating users to allow them to use the system - WinPMail learns all it needs about the user from the NetWare Bindery.

NetWare 4.1 in NDS mode: some extra configuration is required to create mailboxes for your users. Please consult the file `README.NDS` in the Pegasus Mail distribution for more detailed instructions on the steps required.

Modifying the System Login Script

You should modify `SYS:PUBLIC/NET$LOG.DAT`, the NetWare system login script, on the host server to contain commands similar to the following:

```
#newmail
  if "%ERROR_LEVEL" > "0" then begin
    write ""
    pause
  end
```

This invokes the Pegasus Mail newmail utility, which reports the number of unread messages the person has when logging in. The write statement prints a blank line, while the pause statement gives the person a chance to see the message printed by newmail.

Newmail will check for new mail on all servers to which you are attached and logged in. SUPERVISOR-equivalent users can check for mail for other users on the default server by entering `NEWMAIL <USERNAME>`.

Selecting a server at runtime

[This section only applies to NetWare 3.x servers]

If you are connected to more than one NetWare file server when WinPMail runs, it will use whatever is your current *Default server* (the server you were connected to when you turned on your computer).

You can tell WinPMail to use a particular server using a -P command-line option in the group entry you create in the program manager. To do this, edit the properties of the WinPMail Program Manager Icon so that the run command looks like this:

```
d:\path\WINPMAIL.EXE -P <SERVER>
```

Replacing <SERVER> with the name of the server you want WinPMail to use. You must already be logged into the server before running WinPMail - it will not connect you.

You can also change the file server you are using from within the program, using the "File Servers" option on the "File" menu.

Granting extended features to users

Some features in Pegasus Mail are only available if the user has been authorised to use them. These are: Autoforwarding, mail disable, notification disable, and denial of confirmation-of-reading.

Because granting these rights requires the creation of files or properties using a certain level of privilege, they must be explicitly granted by an administrator user (SUPERVISOR or equivalent for NetWare 3.x, Admin or equivalent for NetWare 4.x). You can control whether or not a user can subsequently modify these settings as well.

To grant extended options to a user, either use PCONFIG, selecting "Grant extended feature rights", or else use PMGRANT.EXE, which allows you to use wildcard characters.

Enabling delivery between servers

[This section only applies to NetWare 3.x servers - when running in NDS mode under NetWare 4.1
Pegasus Mail can deliver to any user in your NDS tree who has a properly-defined mailbox]

Pegasus Mail can deliver mail to users on other file servers if access codes are provided. When a user attempts to send mail to a user on a remote server, Pegasus Mail searches a Supervisor-defined internal table for a usercode and password on the remote server. If one is found, the system uses it to log into the remote server and deliver the message. If none is found, the system attempts to log into the remote server as the NetWare GUEST usercode, with no password. If all attempts fail, an error is reported to the user.

To define the access information Pegasus Mail needs for remote servers, the Supervisor or a Supervisor-equivalent user should run the pconfig.exe program on the distribution disk. Pconfig presents a menu offering 'Interface definition' (this option is covered later) and 'Server Access definition'. Select the latter, and a window will open. If you press <Enter> while the 'Add a server' entry is highlighted, another window will open prompting you for information about the remote host.

You should enter the file server's name, and a usercode and password Pegasus Mail can use on that server. The data is stored in a heavily- encrypted format which should be secure from even an ardent hacker.

You can create any number of entries for remote server access the list will scroll when you have filled the window. When you have finished defining servers, press <Ctrl-Enter> to accept the definitions and return to the main menu. Choose 'Save and Exit' to store the definitions.

The usercode you create for mail access should be extremely limited. I recommend that it NOT be a member of group EVERYONE, and that it should have only one explicit trustee right granted to it [C] (or [CW] under NetWare 286) rights in SYS:MAIL. Pegasus Mail does not need access to any other directory on the host server, nor does it need access to any NetWare utilities.

Pegasus Mail logs into the remote server for the shortest possible time to deliver mail or examine usernames, and guarantees that the user will never be left logged-in to the remote host under the mail usercode.

Note: if a mail usercode on a remote server has an expired password, Pegasus Mail will fail when delivering the message, even if grace logins are enabled and plentifully available.

Configuring Pegasus Mail to use Mercury or Charon

WinPMail supports the Charon v3 SMTP gateway by Brad Clements of Clarkson University and the Mercury Mail Transport System using the same configuration information. To install Pegasus Mail to use either of these Internet Message Transports, run the PConfig program supplied and choose *SMTP Internet Mail Interfaces*: a dialog window will appear. You must provide the following information:

Spool interface? If you are using Mercury 1.11 or later as your SMTP transport agent, you can select either a queue or a directory interface to Mercury. The directory interface has some advantages over the queue interface and is the only way of running Mercury under NetWare 4.x at this time. For more information on using the spool directory interface to Mercury, see the Mercury MGUIDE online guide.

Queue name (or **Output path** if you are operating in Spool mode) this is the name of the print queue you have created (using the NetWare PConsole utility) or the spool directory from which Charon or Mercury expects to retrieve messages. The queue need not exist at the time you define the interface. If you have installed Mercury 1.11 or later using the spool directory interface, you should enter the path to the Mercury spool directory in this field, preferably in the MS-Net UNC format of `\\SERVER\VOLUME\PATH`

Use always enter 'Y' if you want WinPMail to use the gateway for all messages, including mail to other servers. If you select 'N', Pegasus Mail will only pass mail with Internet addresses to the gateway, and will use its own mechanism for all other messages.

Server's internet name Enter here the internet identity you have defined for this file server. Note that this is NOT the same as the name of the gateway itself. This address is used to form the sender's address for replies. For more information on naming, see the Charon manual or the Mercury MGUIDE online guide. The name you enter in this field should be fully domain extended - that is, you should include the domain as well as the host name.

Our time zone Type here the UNIX-format abbreviation for your time zone: this is required by the RFC822 standard for message format. You should enter the time zone as a four-digit value with a leading + or - sign to indicate whether you are ahead of Greenwich Mean Time (also known as "UCT") or behind it. Examples:

If you are 8 hours behind GMT, enter **-0800**

If you are 12 hours ahead of GMT, enter **+1200**

When you have filled in all the blanks, accept the data. That's all there is to it!

Feature control using NetWare groups

Many aspects of Pegasus Mail's operation can be controlled using NetWare User Groups (created using the NetWare SYSCON or NWADMIN utilities). Pegasus Mail currently recognizes the following NetWare groups:

GROUPMAIL	Those who MAY send mail to NetWare groups
NOGROUPMAIL	Those who may NOT send mail to NetWare groups
MAILBOX	Those who MAY have a home mailbox on the server
NOMAILBOX	Those who may NOT have a home mailbox on the server
MAILUSERS	Those who MAY use Pegasus Mail to send mail
NOMAIL	Those who may NOT use Pegasus Mail
PMSEND	Those who MAY send one-line messages from <F4>
NOPMSEND	Those who may NOT send one-line messages from <F4>
GW_USERS	Those who may send Internet mail via Charon/Mercury.
BECOME	Those users who may access another users mailbox

In the absence of both allowing and disallowing groups, the default is that all users have access; so, if there is no MAILUSERS and no NOMAIL group, then all users may use mail. The exception to this is the BECOME group, which MUST exist before any user can access another user's mailbox.

Tuning your installation

There are many ways you can tailor the operation of Pegasus Mail to suit the specific needs of your site. If you are running Pegasus Mail in NetWare mode, then there are a number of special options only available to you - [click here](#) to go to the section describing them.

The features described below will work in any type of Pegasus Mail installation

[Altering Pegasus Mail's character translation tables](#)

[Setting up Noticeboards](#)

[Creating files for use by all your mail users](#)

[Pegasus Mail in languages other than English](#)

[Defining attachment viewers](#)

Altering Pegasus Mail's character translation tables

Because Internet mail is a 7-bit format, you cannot send 8-bit data across it. Accented characters in the IBM character set are 8-bit data and must be converted to an alternate format (usually simple ASCII) for transmission.

WinPMail has a default translation table for 8-bit data which it applies to messages sent via an Internet transport (such as Charon or Mercury). The default table is intended to work with code page 437 and may be unsatisfactory in other environments. You can override the default table by creating a resource file called WPM-CHAR.RSC in the same directory as WINPMAIL.EXE or in your home mailbox.

A sample WPM-CHAR translation table is provided in the RESOURCE subdirectory of the directory where you installed WinPMail, as WPM-CHAR.R. Examine this file for details on how to customise the SMTP tables at your site.

WinPMail also supports MIME character encoding using the default ISO-8859-1 character set. You can customise the transformations Pegasus Mail does for MIME mail using a WPM-LMTT.RSC resource file - again, a sample version of this file is provided as WPMLMTT.R.

Noticeboards

Pegasus Mail supports *noticeboards* - discussion areas available to designated people, where messages can be posted publicly. Noticeboards are accessed by clicking the pinboard icon on the toolbar, or by selecting *Noticeboards* from the file menu. Noticeboards can be used on single computer systems, but really come into their own when used in Networked environments.

Setting up noticeboards

To create noticeboards on your system, follow these steps:

- * Create a root noticeboard directory somewhere on your file server. In the NetWare environment, the default value is SYS:PUBLIC/NB, but it can be anywhere. The only real requirement is that the directory be in a directory readable by all the people who need to access noticeboards.

- * In this directory, create a file called NB.ID. The file can be empty, although in standalone and non-NetWare setups it should contain this line:

Administrator: <username>

where <username> is the name of the noticeboard manager.

- * Set an environment variable called NB which points to the directory you have set up. The best way to do this is to use UNC path notation - for example, \\SERVER\SYS\PUBLIC\NB. You will probably want to create this variable in your system login script, or in each user's AUTOEXEC.BAT startup file in non-NetWare environments.

That's about all it takes. Simple noticeboard administration can be done by administrator users within Pegasus Mail for DOS - the Windows version of Pegasus Mail will have similar management facilities in due course.

You can control access to noticeboards by altering the rights masks on the directories created under the NB location on your server. Manual maintenance of noticeboards can be done by editing the file NB.ID in each noticeboard directory. NB.ID is a simple, fairly self-explanatory text file which can be edited using any text editor, even (shudder) the DOS EDIT command.

Expiration NLM

A NetWare NLM is available which can handle automatic expiration of messages on noticeboards. Get NBEXPIRE.ZIP from the site where you found Pegasus Mail. There is currently no equivalent of this program for non-NetWare environments.

Noticeboard management Manage your noticeboards using the options on the *Noticeboard* menu within Pegasus Mail.

Creating files for use by all your mail users

You may find that you want to have certain Pegasus Mail files which are available to all your users, especially address books and mailing, or distribution lists. To create such *system-wide* files, follow these instructions:

Creating system-wide distribution lists

Distribution lists are text files with the extension `.PML`. To make a distribution list system-wide, copy it into the same directory as `WINPMAIL.EXE`, or else put it in a publicly-accessible location on the server and set a DOS environment variable called `PML` that points to that location (example - `SET PML=K:\WINPMAIL\DLISTS`).

Creating system-wide address books

Address books consist of two files - *name*.`PMR` and *name*.`PM!`, where *name* is any filename. To create a system-wide address book, copy both files for the book into the same directory on the server as `WINPMAIL.EXE`. Alternatively, copy the files into a public directory then set a DOS environment variable called `PMR` which points to that directory. If the address book is large and changes little, consider creating a secondary index for it using `PMSORT.EXE` - this will markedly speed up the process of opening the book.

Creating system-wide mail folders

In the same directory on the server as `WINPMAIL.EXE`, create a subdirectory with the extension `.MAI` - the name is unimportant. In this directory, create a file called `PMFOLDER.ID`, which contains the long name of the folder.

Once you have created the folder and the name file, grant rights to the directory as required: in order to read messages, users will need [RF] rights; in order to move messages into the folder, they will need at least [RWCF] rights. If you wish to locate your public mail folders in a location other than the directory where `WINPMAIL.EXE` is installed, you can do so by creating a DOS environment variable called `MAI` that points to the proper location.

Pegasus Mail in languages other than English

WinPMail v2 has been designed to be fully translatable into any European language. At the time of release, versions for Swedish, German, Danish and French were available and others will become available in future. For information on the modules available at any time, mail support@pmail.gen.nz.

Internationalization modules can be found in the [authorised download sites](#). Each module consists of at least two files - a DLL and a new .DAT file. To use an internationalization module, copy its files into the same directory as WINPMAIL.EXE, then create a DOS environment variable called PMRSC with the two-letter code of the language you wish to use - so, for example, to use the German version, you would copy WINPMDE.DLL, WINPMDE.DAT and WINPMDE.HLP into the WINPMAIL.EXE directory then add the DOS command SET PMRSC=DE to your AUTOEXEC.BAT file. Alternatively, you can tell WinPMail to use a different language module on the command line via the -X switch - so, once again using German as our example, you would add -X DE to the WinPMail commandline.

Attachment viewers

You can define your own set of criteria to determine what program WinPMail can run to view an attachment; the usual way of doing this is to use the *Attachment viewers* option on the *Options* dialog (on the *Tools* menu), but you can also do this manually by editing a simple text file if you wish.

To define attachment viewers manually, create a text file called VIEWER.PM in either your home mailbox location (for personal use) or in the same directory as WINPMAIL.EXE (for system-wide use). You can use any editor, even the DOS EDIT command (if you have the stomach for it) to create this file.

Lines in VIEWER.PM starting with ';', '#', '*' or a space are regarded as comments and ignored. Other lines define a single viewer, using this syntax:

```
<match_type>;<text_to_match>;<extension>;<command_line>
```

match_type if 1, then WinPMail should compare the value of the <text_to_match> field with the extension from the file's original filename. If 2, then WinPMail should attempt to match the file type information about the attachment to the string in <text_to_match>.

text_to_match the string WinPMail should use for comparisons when using the test selected via **match_type**. * **extension**: the file extension WinPMail should add to the temporary file it creates for viewing. If you want to use whatever extension is already there, enter a single hyphen on its own (i.e., "-"). This option is useful if you have applications which only recognise files by the extension on the filename.

command_line the commandline WinPMail should pass to Windows to execute the application. The name of the file the application should open is added at the end of this string.

Note that white space is significant in these definitions - the only valid delimiter between sections is the ';' character. All matches are case-insensitive - so "MS-WORD" and "MS-Word" are treated as the same.

Example:

```
# Sample VIEWER.PM file for WinPMail v2.0 and later.
#
# The first entry tells WinPMail to run LVIEW.EXE any time it
# sees a file where the original extension was .JPG. Note that
# you have to include the '.' in the extension.

1;.JPG;.JPG;c:\winapps\lview.exe

# The next section illustrates a possible use of the extension
# section: unix systems typically use ".JPEG" for the extension
# of their JPEG files, but under DOS they are ".JPG".

1;.JPEG;.JPG;c:\winapps\lview.exe

# The next entry tells WinPMail to run WINWORD.EXE when it
# encounters any file where the attachment type information is
# set to "MS-Word". Note the way we force the extension of the
# file to ".DOC" for Word's benefit.

2;MS-Word;.DOC;c:\winapps\winword\winword.exe
```


NetWare MHS and Connect^2

Pegasus Mail has full support for all versions of Novell's NetWare MHS mail transport starting with the original v1.5 release. This includes support for the following products

- NetWare MHS v1.5 (circa 1990)
- NetWare Global MHS (also known as NetWare Global Messaging)
- Basic MHS (included with NetWare 3.12 and later)
- MHS Services (included with NetWare 4.1)

Pegasus Mail also has full support for Connect^2, an MHS-compatible mail system from Infinite Technologies Inc.

[Installing WinPMail for use with MHS or Connect^2](#)

[User-settable MHS options](#)

[Installation guidelines for MHS](#)

[How Pegasus Mail interacts with MHS](#)

Installing WinPMail for use with MHS or Connect^2

To enable MHS support, run PCONFIG (you must be a SUPERVISOR-equivalent user to do this), and choose "NetWare MHS/SMF interface" from the main menu. A window will open, presenting the following editable fields:

Enabled:

If 'Y', this field indicates that MHS mail capability is available on this server. If 'N', WinPMail will generate an error message if a user attempts to enter an MHS address.

Preferred:

This flag only has meaning if the Charon SMTP gateway is also installed on the current system. Some MHS and SMTP addresses are indistinguishable from each other (canonical MHS addresses are ALWAYS correctly sensed): if such an address is detected by Pegasus Mail, it will be routed to whichever transport has its "preferred" flag set. If NEITHER transport has its preferred flag set, then the user will be asked to use an explicit override (either MHS: for MHS addresses, or IN: for SMTP addresses).

Use always?

If set to 'Y', then all messages will be routed to MHS irrespective of apparent address format. WinPMail will rewrite addresses without workgroup parts, using the name defined for this host (so, a message addressed to "david" will be rewritten as "david @ hostname"). WinPMail won't use its own local delivery agent, and messages to the Charon SMTP gateway (if present) will have to be overridden always (using the IN: prefix).

NOTE: Hardened MHS users may instinctively wish to set this field to 'Y', but in general, Pegasus Mail will perform better if it is set to 'N', since its own delivery agent is extremely efficient. We recommend that this field be set to 'Y' only in an extremely heavy MHS environment - ie, one where a number of MHS mailers are used, to the exclusion of all other protocols.

Default workgroup:

This is the name of the local host/workgroup as defined in the installation of MHS on the current server. Pegasus Mail uses this name to construct the "From:" field of messages, and when writing addresses to MHS format.

Local delivery:

If this flag is set to 'Y', then MHS will be used for any local mail - that is, Pegasus Mail's own delivery agent will be disabled. So, where an address such as "DAVID" would usually be taken as a local Pegasus Mail address, if this flag is set, then Pegasus Mail will treat it as an MHS address instead. This option does NOT cause Pegasus Mail to attempt local MHS delivery without MHS - Pegasus Mail will never do this: MHS MUST be running on your system for any MHS delivery to occur.

SMF-71 available?

Set this flag to 'Y' if you are using an SMF-71 transport such as NetWare Global Messaging, or Connect^2. Only sites running the original MHS 1.5 release need to set this field to 'N'.

UTC Time value

Enter here the time offset of your area from GMT, expressed as a positive or negative 4-digit value; New Zealand, for instance is 12 hours ahead of GMT, so you would enter +1200 here. MHS 1.5 does not require this field to be completed.

Use SMFSEND

If set to 'Y', then Pegasus Mail will attempt to use the MHS SMFSEND utility to deliver mail. On some systems this will permit mail to be delivered locally without having MHS running, but SMFSEND is not the most reliable utility in the world, and performance using this feature may be erratic.

* Note: WinPMail cannot use SMFSEND to deliver mail in any event - only the DOS version of Pegasus

Mail acts on this field.

[DOS MV path](#)

Enter here the path to the MHS tree - exactly the same as the MHS MV environment value set at the DOS level. While Pegasus Mail will function correctly if this value is not set, you will not be able to change file servers reliably from the Pegasus Mail main menu if it is not.

User-settable MHS options

WinPMail includes a number of user configuration options in its File|Preferences menu:

SMF/MHS user name if a user has an MHS mail identity which is different from his/her NetWare usercode, then he/she will have to enter that identity in this field. The default is the first eight characters of the user's NetWare userid. If you are using an SMF-71 transport, such as NetWare Global Messaging, then this field can contain a full address, such as "David Harris@Pmail.gen.nz". Pegasus Mail uses this value to create the "From" field of outgoing messages.

MHS/SMF mailbox name each user has a directory in the MHS directory tree where new mail is stored. In almost all cases this will have the same name as the first eight characters of the user's NetWare username, but very occasionally it might be different. If it IS different, then Pegasus Mail will not be able to find new mail for the user until the correct name is entered here.

MHS App name if a preferred mailer has not been specified for a user when he/she was added to the MHS system, then mail will be delivered by default to an MHS application directory called MHS. Normally, Pegasus Mail should be installed in your MHS system using the application name PMAIL, which has been reserved with Novell: if, however, you are installing Pegasus Mail over the top of an existing MHS mailer, you may not wish to alter all the users. In either of the cases described here, you can change the name of the application directory Pegasus Mail will scan for new mail by entering its name in this field.

Scan MHS dir for new mail? If set to Y, then Pegasus Mail will scan the user's default 'MHS' mailer directory for new mail, as well as scanning whatever directory is defined in "MHS App name". If Pegasus Mail is the only MHS mail application available to a specific person, this field should be set to 'Y'.

Installation guidelines for MHS

The following guidelines can be used to help you decide the best way of configuring Pegasus Mail to operate with MHS at your site.

If using Pegasus Mail only, No SMTP, MHS used for external mail

Set "Preferred" to 'N'; "Use always" to 'N'; "Enabled" to 'Y'.

If using MHS and SMTP (Charon) on the same system:

Set "Preferred" to 'Y' if most mail traffic is MHS, otherwise set it to 'N'; "Enabled" to 'Y'; "Use always" to 'N'.

Heavy MHS sites using more than one MHS mailer, and no SMTP.

Set "Preferred", "Enabled" and "Use always" to 'Y'.

How Pegasus Mail interacts with MHS

WinPMail understands three different message formats: RFC-822, the Internet mail format; MHS SMF-70, the format of MHS 1.5, and SMF-71, the format of NetWare Global Messaging and MHS v2. It can distinguish between the message formats transparently: WinPMail's own mail agent uses the RFC-822 format. WinPMail stores all new mail in the user's unique mail directory in SYS:MAIL, irrespective of the transport used: if new MHS messages are detected in MV/.../USERS/APPNAME, they are moved to the user's SYS:MAIL directory before being read, along with any associated attachments. After being read, messages may migrate to a user-specified home mailbox (perhaps on a local drive) or may be left in SYS:MAIL/USERID, depending on user configuration.

Outgoing mail is ALWAYS placed in MV/MHS/MAIL/SND for routing via MHS, as per the recommendation in the "MHS 1.5 Technical Overview". WinPMail will NOT attempt local MHS delivery on its own - the MHS Connectivity Manager must be running for mail to be delivered. Since the expected main use of Pegasus Mail is in sites where its own agent is used for local delivery, and MHS is used for off-site transport, this should present no problems.

Local delivery: Pegasus Mail will NEVER attempt to perform local MHS delivery - the MHS Connectivity Manager must be run. The only possible exception to this is to use SMFSEND for local delivery, but this option has variable reliability.

MHS Macros, as defined in the "Technical Summary of MHS 1.5" are not supported, will NOT be copied back into replies if referenced, but will not generate errors.

Confirmation requests: MHS requests for confirmation of receipt are honoured: confirmation is generated at the moment the message is opened for reading.

Updating from an older version

If you are already using an earlier version of WinPMail, you can upgrade to the new version in either of two ways:

1: Run the Setup program supplied with WinPMail and when it asks you where you would like to install the software, give it the name of the directory where your old version is located. Setup will replace only the program and support files and will not affect your existing mailbox or its contents. When you use this upgrade method, the new version of WinPMail will automatically be able to locate your mailbox and its contents.

2: Run the Setup program supplied with WinPMail and when it asks you where you would like to install the software, give it a new directory name. This will cause it to create a freshly-installed version of Pegasus Mail without touching your existing version, but the new version will not automatically be able to locate your existing mail files. In order to enable the new version to find your mailbox you can do one of two things - either copy the file PMAIL.CFG from the current version's directory into the new version's directory, or else run WinPMail and when it asks you for mailbox information, give it the same values you used for the existing version.

The advantage of the second upgrade method is that it allows you to run both the new and old versions of Pegasus Mail in parallel until you are comfortable with the new version. In general, though, we recommend that you use method 1 because it is simpler and because there is seldom an reason to revert to the old version of the program.

Internet mail via WINSOCK.DLL

WINSOCK, or Windows Sockets, is an open specification allowing applications to access TCP/IP networking services from any compliant implementation. Most modern TCP/IP suites for Windows will include WINSOCK.DLL, the file providing these services.

Pegasus Mail for Windows can use WINSOCK.DLL to perform direct TCP/IP-based electronic mail using the SMTP and POP3 protocols. If you have a PC attached to a TCP/IP-based network, WinPMail's WINSOCK-based mail services may be of use to you. They can be used simultaneously with any connection you might have to a NetWare server, but do not require a NetWare connection.

WINSOCK-based mail support is configured using the Network Configuration option on the "File" menu. This menu option will only appear if a valid WINSOCK.DLL is available on your system.

[Recommended implementations](#)

[Installation considerations](#)

[Preventing WinPMail from using Windows Sockets](#)

[Notes when using WinSock-based mail](#)

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Recommended implementations

Almost all competent TCP/IP implementations for Windows will include WINSOCK.DLL, but the following stacks have been more widely-tested with WinPMail than most:

- * LAN Workplace for DOS v4.1 or later, from Novell, Inc.
- * The Trumpet Winsock, by Peter Tattam.
- * Microsoft WinSock, supplied with Windows 95 and Windows NT

WinPMail should, however, work with any properly-implemented WINSOCK implementation.

Installation notes

WinPMail requires no particular installation to use WINSOCK services on your system, except that the WINSOCK.DLL must be in one of the following locations:

- * The same directory as WINPMAIL.EXE
- * In the WINDOWS directory
- * In the WINDOWS\SYSTEM directory
- * Anywhere else along the DOS PATH

WinPMail needs to be able to see the actual WINSOCK.DLL file in order to use it - it cannot currently detect a WINSOCK.DLL which has already been loaded into memory. WinPMail will use the first WINSOCK.DLL it can find by searching the locations shown above in the order shown.

Preventing WinPMail from using Windows Sockets

If you do not want WinPMail to load WINSOCK.DLL, you can prevent it from doing so using any of the following means:

- * Set *If WINSOCK.DLL is available, load it* to NEVER in your *Advanced Settings* preferences (under the *File* menu).
- * Change the command line you use to run WINPMAIL.EXE so that it reads
WINPMAIL -Z 1
- * Before running Windows, set a DOS environment variable like this:
SET WINPMAIL=1
- * Removing WINSOCK.DLL from your path.

Notes when using WinSock-based mail

- * Mail is queued until sent - an indicator in the WinPMail status line shows the number of queued messages. Send queued mail by choosing "Send queued mail" from the file menu.
- * For security reasons, Pegasus Mail will only send SMTP mail if it can first perform a POP3 login to the account you have specified in your Network Configuration screen. The POP3 address is written into a "Comments" field in mail you send as a validation of who you really are.
- * Background checking for new mail is configured in the Network Configuration screen. If using a SLIP line or any other slow line you may want to disable periodic checking by setting the idle check time to 0 and disabling checks while the application is minimized.
- * SLIP and PPP lines: if using WinPMail and WINSOCK over SLIP (Serial Line IP) or PPP (Point to Point Protocol), you will almost certainly have to set a longer timeout value in the network configuration screen. 60 seconds should be adequate for almost all scenarios.

Extensions for Pegasus Mail

WinPMail v2.1 and later support a powerful concept called *Extensions*, (other systems also variously call these *Plug-ins*, *Snap-ins* or *Add-ons*) Using Extensions, you can add almost any imaginable service or feature to WinPMail. Each extension can appear in a standard WinPMail window and looks just like part of the application.

Extensions are Windows DLLs that are hosted inside WinPMail. They can be loaded in a variety of ways, and as well as having access to the full Windows programming set, have access to an Application Programmer's Interface (or API) of over 80 special functions provided by WinPMail itself. The API set includes functions for accessing preferences, generating messages, full TCP/IP protocol support, logging functions and more.

Anyone who has done simple Windows development should be able to produce WinPMail Extensions without great difficulty.

[Using the sample extensions provided with Pegasus Mail](#)
[Obtaining the Extension Development Kit](#)
[Developing Extensions](#)
[Finding out about new Extensions](#)

Using the sample extensions

WinPMail 2.5 includes six sample extensions -- if you used the WinPMail setup program, these extensions will have been installed for you automatically. The sample extensions provided with WinPMail are:

PHONE	A telephone message form
PH	A directory service module using the PH protocol
FINGER	Lookup unix users via the FINGER protocol
MAILMERGE	A sophisticated mass-mailing program
MultiPOP	Allows you to access multiple POP3 accounts
WLDAPA	directory service module for the LDAP protocol

These extensions are supplied ready-to-run: to use them, simply select them from the *Extensions* submenu of the *Tools* menu. Most of them have their own online help systems.

Full source code for most of these extensions is provided as part of the Extension Development Kit, which is available from the authorised download sites.

Obtaining the Extension Development Kit

Anyone interested in developing extensions for Pegasus Mail should get the Extension Development Kit, which contains all the necessary information and header files, as well as source code for most of the sample extensions provided with Pegasus Mail. The Extension Development Kit is free software, just like Pegasus Mail itself and may be freely used by anyone. You should be able to find it as WPMFORMS.ZIP at the site from which you downloaded your copy of Pegasus Mail, or from the [official download sites](#).

Extensions developed using the Extension Development Kit are royalty-free and may be distributed in any manner the developer wishes, including sale.

Developing WinPMail Extensions

The process of developing an extension for WinPMail involves some Windows programming, but because Pegasus Mail does most of the work for you, it is considerably easier than writing the same application from scratch.

[What you'll need to develop an Extension](#)

[Obtaining the Extension Development Kit](#)

[Getting started](#)

[Documentation for Extension Developers](#)

[Authenticating and registering new Extensions](#)

[Click here to return to the contents page](#)

What you'll need to develop an Extension

In order to develop a WinPMail extension, you will need a Windows development environment capable of generating a standard Windows DLL file - this is the only specific requirement. I personally use and like the Borland C compiler (I prefer v3.1 to v4.5) but you can use any suitable tool.

You probably cannot use a pseudo-language such as Visual Basic because WinPMail expects to find one specific C-callable routine in your DLL for initialization purposes.

You should be familiar with the way Windows passes messages, since you "call" WinPMail's Extension Manager by sending messages to it. The file WPMFORMS.H in the FORMS subdirectory of your WinPMail installation directory contains a complete reference to the format and parameters of the messages you can send.

If your extension needs a user interface, you will also have to be familiar with managing simple Windows dialogs: WinPMail handles all the messy aspects of the Multiple Document Interface (MDI) for you, so all you have to do is manage your own dialog.

Getting Started

The easiest way to write an extension is to take one of the sample extensions provided with Pegasus Mail and use it as a model. Your extension will need to have the standard Windows DLL format, with a LibMain function which registers any classes it uses. Note that if you create a dialog interface in your extension, it must by definition be a modeless dialog (that is, it must have a class and a specific message handling function).

From WinPMail's perspective, every instance of an extension is tied to an MDI (Multiple Document Interface) window; information about the extension is stored as part of that window, and if the extension contains a dialog, that dialog will be a child of the MDI window. If an extension needs to access an internal WinPMail service, it simply sends a message to the MDI window to which it is attached. Similarly, WinPMail will occasionally need to send messages advising the extension about events in the system; when it needs to do this, it will send the message to the extension's dialog window, or if it doesn't have one, to an optional function which the extension can export which takes the same parameters.

The exact form your extension will take is up to you; the API WinPMail exports to extensions is extremely rich and I am sure people will come up with uses for it which I can't even begin to predict. The mechanics of your DLL will depend on the function it is to fulfil, but I recommend the following settings as a good starting point:

Memory model:	Large
Call format:	All-calls exportable
Target version:	Windows v3.1

Note that because WinPMail only runs in Standard or Enhanced mode Windows, you don't have to worry about the hideous complications of memory allocation under Real mode - just call "malloc" or whatever the way you always have.

Documentation for Extension Developers

WinPMail's Extension Manager interface is documented in the files `WPMFORMS.H` and `WPMFORMS.TXT` which you will find in the [Extensions Development Kit](#).

If you are a beginner to Windows programming and are looking for a book to get you started, I recommend Charles Petzold's book [Programming Windows version 3.1](#), published by Microsoft Press.

If you have a basic grasp of Windows programming but would like a more specialised tutorial guide, I recommend [Windows 3: A Developer's Guide](#) by Jeffrey Richter, published by M&T Books.

Finally, a book I believe every Windows programmer should have is [The Windows Programming Puzzle Book](#), by Kim Crouse, from John Wiley & Sons Inc; this book is a Godsend for those subtle questions the official documentation doesn't cover.

Disclaimer: Pegasus Mail's author has no association with any of the authors or publishers shown above - this list merely represents a list of titles the author has personally found valuable.

Authenticating new Extensions

Because extensions are distributed as working, executable machine code, many sites may be reluctant to use an extension when they are unaware of its pedigree. If you have an extension you think would be useful and would like to see it widely distributed to the Pegasus Mail user community in a verified, secure manner, then you can follow these steps:

- * *Debug and test your extension thoroughly until you are sure it works.* This step is very important! The author does not provide a debugging service for your extensions and will reject out-of-hand anything which does not compile correctly or which crashes when run.
- * *Contact the author of Pegasus Mail, David Harris, at the Internet e-mail address David.Harris@pmail.gen.nz.* He will arrange for you to upload a private copy of your extension to his system and will examine it for certification.
- * *You MUST upload source code to your extension.* The author will only certify extensions which he has personally compiled, and when distributing them will only distribute binary versions which he has built. You are not required to distribute the source code with the extension itself, but it must be made available to him. Note, though, that you are strongly encouraged to make the source code for your extension available if you can.
- * *If your extension checks out OK and builds correctly, it will be made available on the principal Pegasus Mail distribution sites and endorsed as "safe and authenticated" by the author.*
- * For technical reasons, the author can only certify extensions which are written for Borland C++ version 3.1 or later. Please make sure you include the appropriate make, PRJ or IDE file, as well as all associated RC, H and C or CPP files.

The Author is willing to sign non-disclosure agreements with Extension Developers.

Reserving extension tag names:

Because extensions need to define tags for themselves which can be used to invoke a reader extension on receipt, it is obviously desirable to ensure that tagnames remain unique. In order to encourage this, the author offers a free tagname registration service. Send a mail message to `tagnames@pmail.gen.nz` indicating the tagname(s) you would like to reserve and optionally a brief description of your extension (for the author's interest). Tagnames will be registered on a first-come/ first-served basis, and if a tagname you have requested is already taken, you will be advised as soon as possible. The author reserves the right to refuse to register tagnames for any reasons he deems fit - for example, tagnames containing obscene words will not be accepted, nor will any tagname starting with the letters "PM", because all such tagnames are reserved by the author. The list of currently- registered extension tagnames can be retrieved by e-mail at any time by sending a message to `maiser@pmail.gen.nz` consisting of the two lines:

```
SEND TAGNAMES.TXT  
EXIT
```

Please note that tagnames can be a maximum of 12 characters long, may not contain characters with ASCII values lower than 33 or higher than 126 and are case-insensitive. All form names starting with the letters "PM" are reserved for Pegasus Mail use.

Finding out about new Extensions

Pegasus Mail's author provides an authentication service for Extensions to WinPMail (see in the "Developing Extensions" section for details of registering an extension). If you find an extension and are uncertain of its pedigree, you can check it out by sending a message to `maiser@pmail.gen.nz` which contains the two lines:

```
SEND VALIDXTN.TXT  
EXIT
```

The mail server will respond by sending you the list of registered extensions: these are extensions which have been checked, compiled and certified by Pegasus Mail's author. `VALIDXTN.TXT` also tells you where to find the certified versions (that is, versions which have been built and authenticated by Pegasus Mail's author). If you obtain a certified version of an extension, you can be certain that is virus-free and safe to use.

Technical support and Mailing lists

Technical support for Pegasus Mail is available by sending Internet e-mail to support@pmail.gen.nz. This will retrieve an automatic response which describes how to obtain [FAQ lists](#) covering a wide range of topics concerning Pegasus Mail. It will also tell you how to get in touch with various mailing lists and news groups covering Pegasus Mail.

If you have purchased a [license for Pegasus Mail manuals](#), then you are entitled to technical support directly from us: to request technical support, send a message to:

tech-support@pmail.gen.nz

NOTE: When requesting technical support, you **MUST** show your manual license number (shown on the invoice and on the license) in the subject line of your message. While we try to answer all technical support requests sent to us by licensees, sometimes our workload may not permit it: if you do not receive an answer to a message sent to our tech support account, the answer may be contained in the FAQ lists, or we may be overloaded. If you cannot find an answer in the FAQ lists, wait 24 hours then mail us again.

Please note that the staff at Pegasus Mail Central process in excess of 250 mail messages every day and accordingly, where possible, we ask that you consult the FAQ lists and mailing lists before contacting us directly.

Other sources of information:

[The PMAIL mailing list and related lists](#)
[The PM-NEWS announcement list](#)

[Click here to return to the contents page](#)

The PMAIL mailing list

The PMAIL mailing list provides a forum where discussion and assistance for Pegasus Mail matters is available. It is operated by the University of Alabama in Tuscaloosa - my sincere thanks to James Ford and the Administration of the University for making the service available. The list is quite busy, but is an excellent source for solutions to most problems arising in general use of Pegasus Mail.

You can subscribe to this mailing list by sending a message to `listserv@bama.ua.edu` (note: from CompuServe, use the address `>internet:listserv@bama.ua.edu`) with the message body set to:

```
SUBSCRIBE PMAIL firstname lastname
```

Example: your name is Jose Bloggs - you would send:

```
SUBSCRIBE PMAIL Jose Bloggs
```

Send discussion to `pmail@bama.ua.edu`. Please note that the discussion address and the subscription addresses are not the same. You can only mail to this discussion list if you are a subscriber.

Related lists

The following related lists also exist at this site, each one providing coverage for a single version of Pegasus Mail.

PM-WIN	Discussion about the Windows version
PM-DOS	Discussion about the DOS version
PM-MAC	Discussion about the Macintosh version
MERCURY	Discussion about the Mercury Mail Transport System

You can subscribe to these lists exactly the same way as you would subscribe to the main PMAIL list, except using the name of the list in the SUBSCRIBE line instead of PMAIL. Mail sent to any of these specialised lists is automatically distributed to the main PMAIL list as well.

The PM-NEWS announcement list

The PM-NEWS announcement list is a mailing list operated by the University of Alabama in Tuscaloosa, providing low-volume notification of new releases and important announcements. The list is moderated, which means that only the list owner can send messages to the list, but anyone can subscribe to it.

If all you want is to be told about new releases of Pegasus Mail and related products, then this list is the one for you -- on average, this list only generates one or two messages each month and is guaranteed spam-free.

You can subscribe to this mailing list by sending a message to listserv@bama.ua.edu (note: from CompuServe, use the address >internet:listserv@bama.ua.edu) with the message body set to:

SUBSCRIBE PM-NEWS firstname lastname

Example: your name is Jose Bloggs - you would send:

SUBSCRIBE PM-NEWS Jose Bloggs

If you have information you want posted to the PM-NEWS list, send it to PMNEWS@bama.ua.edu: your message will be referred to the list moderator, who will decide whether or not it should be distributed to the wider list membership.

Spam -- apart from being an English brand of canned beef, a *spam* is a particularly odious practice whereby an advertising message is sent to thousands of mailing lists and news groups indiscriminately, resulting in a huge waste of Internet resources and considerable nuisance value for millions of people who usually have no imaginable interest in the product being advertised. We consider spamming to be a completely inappropriate use of Pegasus Mail.

FAQ Lists -- Frequently-Asked Question lists. These are compilations of the questions most commonly asked on the regular technical support channels and are always a useful starting point for finding solutions to problems quickly.

Terms and conditions of use

Pegasus Mail is free software and may be used by any number of users on any number of systems without fee or obligation, subject only to the terms and conditions laid out below.

Pegasus Mail is NOT in the public domain - the author, David Harris, retains ownership and copyright, and exclusively reserves all rights to the software. In countries where assertion of the right to be identified as the author is required for copyright purposes, David Harris asserts his right to be recognized as the author and owner of the Pegasus Mail System and all its associated components.

Modification of the program or its resources or associated data files without the author's explicit written permission is strictly forbidden. Unauthorised modifications of any component of the Pegasus Mail System are a breach of intellectual property laws in most countries and will be pursued vigorously to the full extent of the law.

Pegasus Mail may be used by anyone and may be freely distributed via any medium, either commercial or non-commercial, provided the following conditions are met:

- 1: *Distribution* The Pegasus Mail Software must be distributed complete and unaltered in the original self-extracting archive, with all messages intact. System administrators and ISPs wishing to repackage the WinPMail archive for supply to their users may do so provided some basic guidelines are followed - please send e-mail to tech-support@pmail.gen.nz for more information on this. In the event that the Pegasus Mail software is being distributed as part of another package or software bundle, or in association with software or services for which a charge is being levied, the author's permission must be obtained before distribution occurs. We will authorise by fax or by an e-mail message signed with our public key signature at our discretion. Bona fide Internet Service Providers are exempted from the requirement to obtain formal permission (see section 5, below).
- 2: *Charging for distribution* No charge may be directly levied for Pegasus Mail itself. Fair copying and support charges may be applied but you must not represent that you are actually selling the software itself. The intent of this statement is to allow book publishers to distribute the system freely with books, and to permit Software Libraries and BBS systems to distribute Pegasus Mail in their catalogues provided only reasonable handling and duplication fees are charged.
- 3: *Prohibited supply* The supply or promotion of Pegasus Mail for the purpose of sending bulk, unsolicited e-mail is incompatible with the basic aims of the program, which revolve around the free provision of a service that enhances the quality of communication between people. Pegasus Mail may not be included in any package designed for sending bulk unsolicited e-mail, whether free or otherwise, nor may vendors of such packages use the "Pegasus Mail" trademark or other related material in the promotion of their package.
- 3a: *Prohibited use:* Pegasus Mail may not be used for the purpose of **sending** Bulk Unsolicited Commercial Electronic Mail. For the purposes of this section, this shall be construed to mean electronic mail sent to a total of more than 50 recipients for the purpose of advertising a commercial product or service, where the recipient has not explicitly expressed interest in receiving such advertisements.
- 4: *Ownership* Ownership of the Pegasus Mail Software remains vested in the author, David Harris. You may not represent ownership or copyright in the system in the course of distribution, and you must not represent any specific connection with, or authorisation or license from the author.
- 5: *Distribution by ISPs* Bona-fide Internet Service Providers are explicitly granted permission to bundle the Pegasus Mail Software with their standard subscriber access package if they wish, even if a charge is levied for that access package, provided the conditions laid out in section (1) above are met. If you supply Pegasus Mail as a separate item (as opposed to being part of an

access bundle), you may only charge a reasonable duplication or handling fee and must otherwise abide by all other terms and conditions defined herein.

- 6: *No liability* although all possible care has been taken to ensure that the Pegasus Mail Software is as reliable as possible, the diversity of environments in which it might be used means that we can accept no responsibility for loss or damage, whether real or consequential, arising from its use. By using the software you explicitly agree to hold the author blameless for any such losses or damages.
- 7: *All rights reserved* we reserve the right to change the terms and conditions of use and distribution of Pegasus Mail without specific notice, although we will make reasonable efforts to advise of any such change through normal channels (user groups, mailing lists and so on). The current terms and conditions of use of Pegasus Mail can be obtained at any time by sending a message to tech-support@pmail.gen.nz requesting them.

All the legalese aside, it is my strong desire that Pegasus Mail be as widely used as is possible in the hope that by furthering communication between people, we may in some small way come to understand and accept each other better.

[Click here to return to the contents page](#)

User-defined gateways

A User-defined gateway is a program or set of programs that Pegasus Mail can use to send or receive mail. They can be used to provide access to message systems not normally supported by Pegasus Mail, such as Fax systems or Pagers, and are also used to make Pegasus Mail work in environments where it usually would not, such as when using uucp to send Internet mail.

WinPMail supports user-defined gateways, but with some limitations compared with Pegasus Mail/DOS.

- * Validation routines defined for gateways will not work.

- * Gateways that require a program to be run will work, but you may have to fiddle with the Windows icon unless you can run the program from a PIF file.

- * There is no equivalent of PM-MENU.RSC in WinPMail to allow you to add items to the menus at this stage.

For full information about user-defined gateways, please obtain the file UDG.ZIP from any of the [authorised download sites](#); alternatively, UDG.ZIP is included with Pegasus Mail for DOS, which is also available from the same locations..

Troubleshooting

At some stage, things will probably go wrong -- there's no escape from Murphy's Law. This section lists the most common problems and solutions known to us at the time of release of this version of the program. See the next section, Technical support for information on how to obtain the most up-to-date lists of common problems and solutions.

READ THIS FIRST!!!

WinPMail and the Novell NetWare environment

WinPMail and Windows 95

WinPMail and WINSOCK.DLL

"Cannot create container file" errors

International character set problems

Other problems

Murphy's Law: "Anything that can go wrong, will go wrong".
There's also **Parkinson's Law** -- "Work expands to exceed available time".

Forget Einstein -- these are the laws that REALLY govern the universe.

First steps for troubleshooting

It has been our repeated experience that the vast majority of problems people have with WinPMail fall into three categories, none of them actually to do with the program itself:

1: Configuration problems more than 80% of all problems reported to us result from simple misconfiguration of the system. Pegasus Mail doesn't require a great deal of configuration, but it is important that the configuration it *does* require be done correctly. **Always** read this file (WGUIDE.HLP) carefully, especially the "Important information" and Installing WinPMail" sections.

2: Problems with other people's software this is particularly true with WINSOCK.DLL, because the quality of available WINSOCK implementations varies widely. If your problem results in a GPF (Windows-speak for a crash), check the report Windows generates carefully - it will say something like "WINPMAIL caused a GPF in module XXXXXX"; the actual culprit is whatever is named in XXXXXX: if it is the name of a DLL, especially WINSOCK.DLL, then your problem almost certainly is not in WinPMail but in a third-party product.

3: System problems some very common problems can be caused by incorrectly installed network drivers, by marginal hardware (this is especially true of modems), or by running in environments with too little disk space or memory. In the network environment, incorrect or inadequate trustee and access rights can also cause innumerable problems. Always check these external influences before assuming that WinPMail itself is at fault.

Finally, if WinPMail is producing an error message, *please read it carefully!* Very often, the solution to the problem will be shown in the message itself.

WinPMail and the Novell NetWare environment

How can I stop WinPMail from running in "NetWare mode"?

You can force WinPMail to run in standalone mode (ie, to ignore the connection to the NetWare server) by changing the command line you use to run the program to:

WINPMAIL -A

This commandline switch also works for the DOS version of Pegasus Mail.

WinPMail tells me it can't find my home mailbox, but it's there!

There are three possible causes for this problem:

[*] 1: You may be running Windows in Standard mode while connected to a NetWare server, and your PC is using the Novell NETX shell set. This combination will provoke a bug in the NetWare API libraries, especially if your machine is a 286. The only solution is to move to the VLM shell set or to step back to WinPMail 1.02 (which uses an older API set).

[*] 2: If you are running in standalone mode (not connected to a NetWare server), your standalone configuration might be incorrect - the most likely cause is an invalid path in either the home mailbox or new mailbox fields in PCONFIG. Try deleting the file PMAIL.CFG in the directory where WINPMAIL.EXE is located and re-entering the values the next time WinPMail starts up.

[*] 3: You may be running under NetWare 4.0x in a directory services context which is not the Bindery Context. WinPMail is a Bindery-based NetWare application and requires information from the NetWare Bindery, which is poorly emulated under NetWare 4.0x. The only solution is to have your usercode moved into the Bindery Context.

WinPMail runs in standalone mode even though I'm connected to a NetWare server

Windows reports "Cannot find NETWARE.DLL" when starting WinPMail

You probably have not installed NetWare support into your copy of Windows. Run the Windows setup program and see what Network it thinks you are using; if it says "None", choose "Novell NetWare" and insert the disks it asks for. You should also make sure you are using the most recent NetWare drivers from Novell - at the time of writing these are contained in the files WINDR2.EXE, VLMUP3.EXE, NET33X.EXE and NWDLL2.EXE, available via FTP from ftp.novell.com in /novlib/novfiles, or in the NOVUSER area on CompuServe. The "Cannot find NETWARE.DLL" message is an error in Windows - there is no "NETWARE.DLL" - it is looking for NETWARE.DRV.

Windows, The "Black Screen of Death" and broadcast messages

If your copy of Windows crashes with the "Black Screen of Death", or your system locks up or behaves erratically when you receive the broadcast "New mail" notification messages Pegasus Mail generates, then you almost certainly have a NetWare Shell problem. Make sure you are using the absolute most recent driver files from Novell (see the preceding entry for details on getting these) and take particular care to delete all old versions of these files (especially NWPOPUP.EXE and NETWARE.DRV) right across your DOS path.

WinPMail and Windows 95

I'm running Windows 95 and getting GPFs in NWCALLS.DLL

There is a bug in Windows 95's NetWare emulation such that it reports a server connection even when there is none actually available. You can fix this easily by forcing WinPMail to start in standalone mode by adding the switch "-A" to its command line.

My Windows 95 users can't send mail via Mercury - it gets returned with a "missing \$\$ signature" diagnostic.

There appears to be a severe bug in the Windows 95 NetWare Queue Services emulator which means that the first four bytes of jobs written directly to queues by programs will be corrupt. The only workaround I have been able to find for this is to switch Mercury and WinPMail into Mercury's spooler submission mode instead of queue mode. This problem may also affect Windows NT v3.51 users, because that system appears to use the same Queue Services code with the same bug.

I'm trying to use the Microsoft WINSOCK.DLL supplied with Windows 95 but am having connection problems.

This, and variants of it, are usually attributable to having WINSOCK.DLL files other than the Microsoft version on your system. This is particularly likely to happen if you have upgraded to Windows 95 rather than doing a fresh install. Hunt through your system making sure that there is only one copy of WINSOCK.DLL present and that it is the Microsoft offering.

WinPMail and WINSOCK.DLL

The quality of WINSOCK implementations currently available for Windows seems to be extremely variable, so if you have problems with WINSOCK-based mail in WinPMail, please check first that you have the current version of your WINSOCK.DLL and any support software, and that it's correctly configured. Next, if you are getting connection problems, try expressing the address of the host to which you want to connect using dotted IP notation instead of an address (or vice-versa).

Many problems using WINSOCK across slow SLIP or PPP links arise from timeouts being set too short - set a much longer timeout value in your network configuration screen in these cases (I recommend up to 120 seconds).

WinPMail v2.0 and later uses "non-blocking sockets" to obtain the greatest level of control of TCP/IP communications. Some WinSock implementations do not handle non-blocking sockets well. If your WinSock implementation has problems connecting with WinPMail, or if performance is erratic, try changing the command line you use to run WinPMail to:

```
WINPMAIL -Z 1024
```

This will force WinPMail to use blocking sockets, at the price of lower performance and possibly occasional conflicts between POP3/SMTP and TCP/IP-aware WinPMail extensions.

I don't get the Network Configuration or other WinSock-based entries on the File menu

[*] WinPMail may be unable to find WINSOCK.DLL - make sure it is on the path, in \WINDOWS, or in \WINDOWS\SYSTEM. On some systems, especially Windows NT, you may find you have to force WinPMail to "Blind load" WINSOCK.DLL -- you do this by changing the command line you use to run WinPMail to:

```
WINPMAIL -Z 128
```

[*] You may have the *Winsock loading* field in your *Advanced settings* preferences dialog in WinPMail set to *Never*. Set it to *On demand* or *Always* then exit and restart the program.

WinPMail reports "Invalid password" when I connect to my POP3 server, but I've double-checked and the password is right.

[*] The password may be right, but your username may not be (for security reasons, most POP3 servers will accept any username and fail the password automatically if the username is invalid). The most common cause of this is putting a full address in the "username" field of the Network Configuration dialog's POP3 section. If you can see an '@' symbol in this field, then it's wrong - WinPMail only wants your basic username, which is everything preceding the '@' in your address.

I'm trying to use the Microsoft WINSOCK.DLL supplied with Windows 95 but am having connection problems.

This, and variants of it, are usually attributable to having WINSOCK.DLL files other than the Microsoft version on your system. This is particularly likely to happen if you have upgraded to Windows 95 rather than doing a fresh install. Hunt through your system making sure that there is only one copy of WINSOCK.DLL present and that it is the Microsoft offering.

I'm trying to use the 32-bit Microsoft WINSOCK.DLL supplied with Windows 95 but it won't autodial when WinPMail loads it..

This appears to be a problem in the 32-bit WINSOCK.DLL itself - as far as we have been able to determine, the 32-bit version will not autodial if loaded by a 16-bit application such as Pegasus Mail. At the time of release we are taking this issue up with Microsoft.

How can I prevent WinPMail from autoloading WINSOCK.DLL?

WinPMail has built-in support for a variety of e-mail protocols using the TCP/IP networking protocol. To provide this support, it looks for a file called WINSOCK.DLL when it starts up; WINSOCK.DLL is a file supplied by your TCP/IP vendor which provides a standard interface to TCP/IP network services for Windows programs. If you do not want WinPMail to load this file (and hence not to provide access to its

built-in mail TCP/IP mail services), do one of the following:

[*] Prior to running Windows, enter the command "SET WINPMail=1" from the DOS prompt. You cannot do this from a Windows DOS session - you must do it prior to running Windows

[*] Change the command line the Program Manager uses to run WinPMail so that it includes the switch "-Z 1". You can use this switch with all other switches in the program.

[*] Go to the *Advanced settings* preferences dialog in WinPMail and set the *Winsock Loading* field to *Never*.

"Container file" errors and what they mean

One of the most common errors you may see from WinPMail is a message saying:

WinPMail has failed creating the container file for a message

This is also one of the harder error messages to diagnose, but in general it means that Pegasus Mail has attempted to create a file for delivery and the operating system has reported a failure on the operation. The most common causes for this problem are:

[*] (In NetWare mode) This message can indicate several things:

- * You may be out of disk space on the file server volume where the recipient's mailbox is located (or the submission directory if you are sending mail via Mercury)
- * You may have insufficient rights in the destination directory
- * The destination directory may not exist (this can happen on NetWare 4.x servers running in Bindery Emulation mode when the recipient has never logged into the server, because NetWare 4.x only creates the user's SYS:MAIL mailbox when he or she logs in the first time).
- * If sending mail between servers, this may indicate an error in the configuration of the inter-server delivery account created for Pegasus Mail's use, usually a password or connection restriction, or a lack of rights in the destination server's SYS:MAIL directory.

[*] (In standalone mode) You may have addressed the message to a local user who does not exist. Because Pegasus Mail can manage multiple users on the same machine, if you enter an address like "david", or "betty" - namely, an address with no domain portion - Pegasus Mail will assume it refers to a user on your own machine and will try to deliver it locally. If you have no users other than yourself on your machine, you may want to set the "Use for all outgoing mail" flag in the Network configuration dialog - this tells Pegasus Mail that there are no local users and to send everything via the SMTP transport.

International character set problems

Pegasus Mail users in countries where English is not the primary language will often run into problems using accented characters in electronic mail. Problems with accented characters are not a sign of ignorance or carelessness on the part of Pegasus Mail's developer (who studied French for 11 years and German for 5) -- rather, they reflect a very general problem with computers in that there is very little standardisation on character sets and the way they are represented.

The first thing to do to improve the situation is to turn on Pegasus Mail's MIME support - MIME goes a long way towards dealing with International character set issues. Enable MIME support by checking the control in the Special view of the message editor.

You can customize the character sets Pegasus Mail uses for MIME messages by creating and compiling a file called WPM-LMTT.RSC, and placing it in the same directory as WINPMAIL.EXE. A sample source file for this resource, called WPM-LMTT.R, is supplied in the RESOURCE\ subdirectory of the directory where you installed WINPMAIL.EXE - examine it for details of the formatting required.

For non-MIME messages it is impossible to preserve 8-bit data accurately in any meaningful way -- when sending non-MIME mail, Pegasus Mail will always convert accented characters to non-accented ASCII equivalents; this process is required by the Internet mail standard, RFC822, and cannot be subverted. You can customise the conversion process Pegasus Mail applies to your accented characters by providing a WPM-CHAR.RSC file in the same directory as WINPMAIL.EXE. As with WPM-LMTT.RSC, this file is compiled from source you provide, and a sample WPM-CHAR.R file is provided in the same location.

MIME (Multi-purpose Internet Mail Extensions)

MIME is an Internet standard for the transmission of data of any type via electronic mail. It defines the way messages should be formatted and constructed and has provision for indicating the type and nature of the contents of a message, and for preserving international character set information. In most cases, a MIME message can be read correctly on any kind of system which has a MIME-compliant mail program.

MIME provides direct support for graphic images in GIF and JPEG format, Video images in MPEG format, and Audio data as well. It also has a *Digest* format for sending multiple mail messages at once (Pegasus Mail displays MIME digests in a manner very similar to a folder).

Pegasus Mail will automatically handle incoming MIME messages without any intervention from you. The decision over whether it should generate outgoing messages in MIME format is yours -- to enable MIME features, click the control in the Special view of the message editor. Once checked, the setting will be remembered for all subsequent messages. The only reason you would not use MIME formatting for Internet mail would be if you knew your correspondent did not have access to a MIME-compliant system.

MIME is described in the Internet Standards Document RFC1521.

Other problems

The .WAV file I have chosen as a new mail alert sound doesn't work

By default, the new mail alert sound only works when WinPMail is minimized on your desktop.

[*] If you would prefer the alert sound to play any time new mail arrives, add the switch "-Z 512" to the WinPMail command line

I have some users whose preferences don't get saved properly between WinPMail sessions

WinPMail only saves your preferences when it believes they have changed during the session - sometimes it may fail to detect changes.

[*] You can force WinPMail to save your preferences by holding down the Ctrl key while selecting "Exit" from the file menu.

[*] This can also happen when user has no rights to read or write files in the temporary directory specified in the TEMP or TMP environment variable, or in the "Temporary files directory" setting in the user's PMAIL.INI configuration file.

Why can't I see some of/all the mail folders I created using older versions of Pegasus Mail?

WinPMail supports hierarchical foldering using "trays", or containers in which folders can be placed. When it first runs, WinPMail creates a file called MAIN.PMT which is your main tray and contains all the folders it can find in your home mailbox: from this point, it uses the file to maintain your hierarchy. If you create a folder using an earlier version of Pegasus Mail after you have run this version, the new folder will not be added to the hierarchy file and WinPMail will not be able to see it.

[*] Solution: run WinPMail, and press <^L> to select a folder; choose "Check tray list" from the *Folders* menu. This instructs WinPMail to look for any folders which might be missing from your hierarchy and add them to it.

How can I stop WinPMail from running in "NetWare mode"?

You can force WinPMail to run in standalone mode (ie, to ignore the connection to the NetWare server) by changing the command line you use to run the program to "WINPMAIL -A". This commandline switch also works for the DOS version of Pegasus Mail.

Why do all my folders and other mail files appear twice in WinPMail?

If you can see two entries for each DList, Folder, Addressbook or other WinPMail file when you try to select one, and one is in blue, then you have probably installed WINPMAIL.EXE in the same directory as your home mailbox (as opposed to using the recommended installation); this causes WinPMail to see every file as both personal and system-wide, and to list them twice.

[*] Solution: Move WINPMAIL.EXE, WINPMAIL.DAT, WPNNW3.DLL (if you are on a NetWare system) PMAIL.CFG (if you are running on a standalone system) and WINPMAIL.HLP into another directory.

My new mail folder doesn't open at startup even though I have the option checked in my preferences.

WinPMail originates from the LAN world and is still far and away most heavily used there; in that environment, most users prefer to have the new mail folder open automatically only if there is actually new mail to display. This option is less useful for standalone users so a fix is provided.

[*] Solution: Add the switch "-Z 256" to the WinPMail command line (in the Program Manager Icon you created for it). This will force the new mail folder to open irrespective of its contents.

Technical support, manuals

Your first port of call for technical support for Pegasus Mail is the Pegasus Mail online help and this help file. The answers to most questions can probably be found in these two files, especially in the *Troubleshooting* section on the WinPMail help menu.

If these resources don't turn up the answer for you, send a mail message to the Internet address support@pmail.gen.nz. This will retrieve an automatic reply listing all the available sources of help, including regularly-updated frequently-asked-question lists (FAQs), and addresses for Pegasus Mail-related mailing lists.

Printed manuals are available for Pegasus Mail at very reasonable prices. We don't guarantee you'll find the answer to every problem in the manual, but it *is* a handy, complete reference to the program, and purchasing manuals gives you access to direct e-mail technical support from us. **Manual purchases are totally optional** - there is no pressure or obligation for you to purchase manuals: for more information on ordering manuals, [click here](#).

If you have purchased a [license for Pegasus Mail manuals](#), then you are entitled to technical support directly from us: to request technical support, send a message to:

tech-support@pmail.gen.nz

NOTE: When requesting technical support, you **MUST** show your manual license number (shown on the invoice and on the license) in the subject line of your message. While we try to answer all technical support requests sent to us by licensees, sometimes our workload may not permit it: if you do not receive an answer to a message sent to our tech support account, the answer may be contained in the FAQ lists, or we may be overloaded. If you cannot find an answer in the FAQ lists, wait 24 hours then mail us again.

Pegasus Mail Manuals

Although fully-copyrighted and the property of the author, David Harris, Pegasus Mail is distributed as free software, provided as a service to the broader Internet community. Anyone, whether business, school, government or individual may use the Pegasus Mail software on any number of machines without charge or obligation and it may be freely distributed provided it is supplied complete and unmodified, and that only reasonable handling charges are made for the supply.

Nonetheless, the process of developing and maintaining a system as large and complex as Pegasus Mail has definite costs that have to be met: in order to cover these costs, the author sells manuals for the Pegasus Mail System. We wish to stress that ***manual purchases are optional***. There is no pressure or requirement that you purchase a manual set -- if you are happy running the program without a manual, then we regard that as a compliment.

Purchasing any manual license gains you direct access to our technical support engineers if you have problems. Once you have received your manual and license, you can send queries to tech-support@pmail.gen.nz, making sure you quote your license number in the subject line, and we will assist you to the extent permitted by our workload.

[Manuals for Individual Users](#)

[Manuals for Multiple Users](#)

[Internet Service Providers](#)

[Charitable and Environmental Groups](#)

Manuals for individual users

Single-User manuals are provided as a soft-bound User Guide of about 90 A4 pages with a short appendix covering issues specific to setup and operation in the standalone (i.e, non-networked) environment. The manual is accompanied by a CD-ROM containing all current versions of our software. You may not duplicate a Single-User manual, and it does not include the Network Administrator's Guide for the program. Purchasing a single-user manual license gains you direct access to our technical support engineers if you have problems.

Single-User manuals cost US\$39.95 or the equivalent in your currency (see the next section) plus the cost of whichever freight method you choose.

[Terms and conditions](#)

[Order form](#)

Single user manuals, terms and conditions

We have attempted to keep the price of the Single-User manual set as low as possible, but in order to do so, we have had to apply a few ordering restrictions (which do NOT apply to multi-user licenses):

1: We cannot accept company purchase orders for Single-User manuals unless you are purchasing 5 or more copies (in which case you should look at Multi-User licensing in the previous section before placing your order). Please note: "company purchase order" in this context means an official, payment-on-invoice order form.

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3: We will accept payment in cash in any of the currencies above, but you must add a US\$5 (or equivalent) surcharge to cover our bank's conversion charge. We STRONGLY urge you NOT to pay by cash unless there is no other way, and if you MUST do so, make sure you send it by registered mail.

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7: Although we undertake to get your manuals out to you as quickly as we can, there is a basic 10-14 day processing delay on all orders we receive -- this delay should be added to the delivery time for your chosen shipping method to determine a likely delivery date.

8: Purchasing a single-user manual license entitles you to contact our technical support engineers directly if you have problems. While we try to answer all queries sent to us for tech support, we reserve the right to defer questions if they are adequately covered in the FAQs or in the manual itself, or if we are abnormally busy (in the latter case, you will usually receive an automated message asking you to try again later). To obtain technical support, you must include your manual license number in the subject line of your message, which should be sent to tech-support@pmail.gen.nz.

or if paying by credit card, you can fax it to us on **+64 3 453 6612**.

Manuals for multiple users

[Overview of Multi-User manual licenses](#)

[How to order manual sets](#)

[Discounts and upgrades](#)

[Payment by credit card](#)

[Payment by telegraphic transfer](#)

[Fees deductions, orders from Europe](#)

[Terms and conditions applying to orders](#)

[Freight costs](#)

[Order form for multi-user manuals](#)

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To the U.S.A. and Canada	US\$27.50
To the U.K. and Europe	US\$32.50
All other destinations	US\$37.50

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To the U.K. and Europe	US\$39.00
All other destinations	US\$45.00

Examples:

- * Shipping a WinPMail site license to Sydney, Australia, add US\$15
- * Shipping a DOS and Windows bundle to Cincinnati, U.S.A, add US\$34
- * Shipping four WinPMail 10-copy manuals to Germany, add US\$39.00

Overview of Multi-User manual licenses

Multi-User manuals are provided as a single loose-leaf document ready for copying; the license supplied with the manual permits you to make a certain number of duplicates of the original. The quality of the manual is high. All manual orders are shipped with a CD-ROM containing the most recent versions of all our software. The manuals are shrink-wrapped, and you may request either A4 (European) or US-Letter (North American) paper format. Purchasing a manual license gains you direct access to our technical support engineers if you have problems.

Two levels of Multi-User manual license are available:

10-user manuals you get one printed manual with a license to make up to 10 further copies. This costs **US\$195**.

Site-licensed manuals you get one printed manual with a license to make as many copies as you wish for one site. One site is defined as the extent of any organization in any one city or town, so if you have two branches in the same town, one site license will cover both of them. As well as the manual, site licensees get a diskette with RTF and ASCII versions of the manual. Site licenses cost **US\$375**.

Shipping is via courier (usually a three day service to anywhere in the world) and shipping costs are extra: freight costs can be calculated using the [freight table](#).

A number of "bundle" options are also available which allow you to get manuals for more than one version of Pegasus Mail at reduced prices - please see the order form for more details.

A 10-copy manual can be upgraded to a full site license at any time by paying the current difference in cost between the two.

How to order manual sets

To order Pegasus Mail manuals, please fill out the order form in this guide (also available as an ASCII file called ORDER.FRM supplied with the distribution) and return it by mail or fax with your purchase order, cheque or credit card details to:

**Pegasus Mail, c/- David Harris,
P.O. Box 5451,
Dunedin,
New Zealand.**

Fax: +64 3 453 6612

We do not use postal codes in New Zealand.

**** If you fax your order to us, please DO NOT send the original by mail as confirmation.*

Please be sure that you actually complete and enclose our order form - we will use it as the final authority for shipping and billing addresses, since many organizational purchase orders have ambiguous addressing details.

We are happy to accept organizational purchase orders provided payment is made on normal credit terms (nett 30 days).

Payment must be made in [US dollars, drawn on a US bank](#). unless special arrangements are made with us in advance. There is usually a delay of around 2 weeks before a manual can be sent out, and we reserve the right to hold your order if a new release is pending (so you can get the new release). Manuals are always sent by Express Mail Service or TNT courier (2-4 day delivery anywhere in the world); freight fees are extra and are added to the invoice total; freight costs can be calculated using the [freight table](#).

PLEASE, PLEASE! Remember to enclose the order form: we're not psychic, and we can't guess at delivery addresses from a cheque alone...

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We can accept payment for Manual orders on any valid VISA or Mastercard. If you wish to pay this way, please note your card number, expiry date, and the name on the card on the order form, then sign the order form (signing the form is VERY IMPORTANT - we cannot process your order if you do not sign).

We cannot accept American Express or Diners Club, sorry.

Special Conditions:

* The amount you are billed will probably not be exactly the amount on the order, because I have to submit the voucher to the VISA Centre converted to New Zealand dollars. I will use the USD conversion rate which applies on the day your order is processed.

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If you already hold a license for any version of Pegasus Mail, then two discount options may be available to you:

1: If you want to upgrade your existing documentation to the current version for the same system, you can use the "Upgrades" section on the order form. Upgrading a license this way costs **US\$135**. You can only upgrade the same system to a more recent version using this option (e.g., DOS to DOS, Windows to Windows, but NOT DOS to Windows). You can upgrade either 10-copy or site licenses using this option - the licensing level on the upgraded manual set is the same as for the original set.

2: If you hold a site license for one version (e.g, the DOS version) and you want to purchase a site licensed manual for a different version (e.g, the Mac or Windows version), then you can claim a \$75 discount on the price. So, for example, if you hold a site licensed manual set for the DOS version, you can claim a \$75 discount on the Windows and/or Mac version site licenses.

IMPORTANT NOTE!! This discount only applies to purchases of **site licenses**, and only if you **already hold a site license**. You cannot claim this discount for purchases of 10-copy licenses, bundles, or upgrades (as in section 1 above).

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We will accept payment by telegraphic transfer, but you should be aware that this is one of the most expensive and troublesome ways of paying an invoice because of serious flaws in the International Banking system.

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Transfer to:
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Dunedin, New Zealand,
Account 060-909-0106632-13
The account name is "David Harris Pegasus Mail".

Please make sure that your bank states my invoice number in the transfer narration, so we can credit the remittance correctly against your invoice in our records.

Fees deductions, orders from Europe

A note to European users: it appears to be common practice for European Banks, particularly in Germany, to deduct fees from the cheque they send. In some cases, these fees have been as high as US\$25.

Because of the costs of manual production, and the relatively small amounts involved in the invoice, **deductions of fees from remittances cannot be accepted!!** If your bank deducts fees from the remittance you make, I will return the cheque unpresented for repayment. If you prefer to make payments via direct credit to a bank account, please see the preceding section on "Telegraphic Transfers" or else contact me for details.

We understand that in some European countries it can be very difficult to make international payments. We would like to assist you where we can, so if you would prefer to make your payment by an alternative method, we will try to oblige you - please contact us by fax or e-mail before doing so to arrange this.

Fax:	+64 3 453 6612
E-mail:	orders@pmail.gen.nz

Terms and conditions applying to orders

The following terms and conditions apply to all orders for Pegasus Mail manual sets. Submitting an order indicates acceptance of these terms and conditions in their entirety, over and above any waivers, disclaimers or conditions stated on the order itself.

Terms and Conditions

Orders All orders must be submitted on our order form (see below, or ORDER.FRM in the Pegasus Mail archive); you should attach your company or organization purchase order as well if applicable. Orders MUST be signed to accept our terms and conditions.

Site For licensing purposes, a "site" is the extent of a single organization in a single Metropolitan area; so, a University with three campuses in the same town would be covered by a single site license, but a government department with offices in four separate cities would require four licenses. For the purposes of this definition, State, National and Municipal Governments do not qualify as "organizations", nor do "umbrella" institutions, such as a Board of Education covering all high schools in a city.

Special licensing arrangements We are quite flexible about manual licensing and will gladly consider proposals for special-case scenarios. We also like to try to help charitable and environmental organizations where we can. If you would like to discuss special-case licensing, please send Internet e-mail to David.Harris@pmail.gen.nz.

Organizational purchase orders and payment we are happy to accept organizational purchase orders provided that our invoice is paid under normal credit terms (nett 30 days). We can also accept payment by VISA or Mastercard - in order to do so, we need the card number, expiry date, the name exactly as shown on the card, and a clear signature on our order form. Credit card payments may not appear as an exact amount on your statement because we have to submit our vouchers converted to NZ dollars - we use the exchange rate prevailing on the processing date. If paying by credit card, please ensure that the details on your order form are typed, not written and ensure that our order is signed. We will accept payment by International Money Transfer (also called "Telegraphic Transfer"), but please read the next section carefully before doing this.

Payment by IMT (International Money Transfer) we are willing to accept payment by money transfer on payment of a US\$15 surcharge, but recommend that you avoid this method of payment because of serious flaws in the international banking system. Please use the following details:

National Bank of New Zealand, Dunedin North Branch, account 060909-0106632-13.

The name of the account is "David Harris, Pegasus Mail".

VERY IMPORTANT: In order to cover processing fees imposed on us by the banks, you **must add US\$15** to your remittance when paying by IMT. Failure to do this will result in the remittance being returned to you unaccepted, probably with hefty fees deducted by the banks.

Currency all prices are shown in US dollars; we require payment in US Dollars drawn on a US Bank. The exception to this is for clients in New Zealand, who are welcome to contact us for a New Zealand Dollar rate. Please note the "US Bank" requirement carefully - payments in US Dollars drawn on non-US banks attract considerable fees at this end and will be returned unrepresented.

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Fees and deductions it appears to be common practice in parts of Europe for banks to deduct fees from the amount remitted - we will not accept such deductions and will return payments from which fees have been deducted unrepresented. We require the amount paid to us to be the amount shown on the invoice.

Withholding taxes We will not accept any payment from which a withholding tax deduction has been made unless that deduction is made according to the taxation laws of New Zealand. Withholding tax

regulations in countries other than New Zealand are a matter between you and your government and are nothing to do with us.

US Taxpayer information requests we periodically receive requests from US companies and organizations asking us to provide "FEIN" numbers, or Social Security Numbers, which are needed by the client for compliance with US Tax Laws. We have contacted the US Commerce Attaché in Sydney, Australia, and advise on their recommendation that the vendor is NOT a US Citizen, and is not resident in the USA for taxation purposes. We cannot provide the information requested (we have neither a FEIN nor an SSN) and requests for such information will not receive a reply. We suggest you record that the vendor is a foreign national not subject to US taxation laws. **FORM W8** - Please note that form W8 is only applicable to foreign nationals carrying on a charging activity within the United States - we do not have an obligation to complete this form, nor is it appropriate for us to do so.

Quotes, bids, pro-forma invoices and acknowledgments because of the sheer volume of paperwork we have to process, we regret that we are unable to provide quotes, bids, pro-forma invoices or acknowledgments of receipt of orders (other than by e-mail on specific request). The most recent version of our order form retrieved from us by e-mail may be taken as a firm quote - we will honour the prices shown provided this form is used.

VAT and import taxes when we ship manuals, we enclose a commercial invoice for customs purposes, itemized as US\$11 for materials and the remainder of the fee as a license charge. We are not responsible for taxes or import duties levied on entry to your country and suggest you contact your customs service in advance for information on any fees which might be payable. This is of particular importance for people ordering from **England** - HM Customs pursue VAT aggressively even though we believe they may be attempting to charge it in error (our understanding is that license fees are not subject to VAT).

Freight charges Manuals are always shipped via courier shipment anywhere in the world, and the freight cost is extra. Courier service usually provides four-day delivery to any destination. We can ship via airmail on specific request, but are unable to ship via specific carriers (such as FedEx, UPS or DHL). Freight prices can be calculated using the [freight table](#).

Delivery times the usual processing time for an order is 8-10 days plus the time required for shipment. Occasionally the time required will be longer than this, and if a new version of the manual is due in the near future, we reserve the right to hold your order until it is released, so that you get the most up-to-date product.

Please read Terms and conditions carefully before signing and sending this form.

G E N E R A L O R D E R F O R M
for Pegasus Mail Manuals, valid until March 1st 2001
-----w312c----

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If you order or hold a SITE license for one Pegasus Mail platform (DOS, Win, Mac) you can claim \$75 off each subsequent SITE license platform purchase (EXCLUDES BUNDLES).

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Manual licensing for Internet Service Providers

Internet Service Providers are granted explicit permission to include the Pegasus Mail software with their subscription kits, even if they charge for those subscription kits. We have comprehensive customization and configuration routines and services available to ISPs and Network Administrators - for more information, please contact us at tech-support@pmail.gen.nz.

For Internet Service Providers who wish to include a pre-licensed Pegasus Mail manual set with their subscription kits, special bulk rates may be negotiated with Pegasus Mail's author. You can either purchase pre-printed manuals in bulk at discounted rates, or alternatively, you can negotiate very cost-effective production licenses, where you produce the manuals yourself and pay a royalty to the author.

For more information on ISP manual licensing, please contact Pegasus Mail's author directly by sending e-mail to David.Harris@pmail.gen.nz.

Manuals for Charitable and Environmental Groups

The author regards Pegasus Mail as a service in support of a set of ideals that might seem prosaic or incomprehensible to some people. Be this as it may, the author is also happy to offer support and assistance where he can to other people and groups who are attempting to work for the general good.

If you represent a charitable organization, or a non-profit organization devoted to Environmental Issues, then you may qualify for free or subsidised manual sets. We will also gladly consider any request for free or subsidised manual sets if genuine hardship can be shown.

If you would like to discuss this possibility further, please contact Pegasus Mail's author directly by sending mail to David.Harris@pmail.gen.nz.

What's new in v3.x?

Pegasus Mail v3.x is the most major upgrade of the program since its inception, and is just loaded with new features, capabilities and fixes. Below is a list showing the most important additions in v3.x - click on any line to get a more detailed description of the new item.

New in WinPMail v3.12c

- * Many, many bug fixes.

V3.12c is the last in the v3 family of Pegasus Mail for Windows. The next release will be v4.

New in WinPMail v3.12b

- * Bug fixes only

New in WinPMail v3.12a

- * Powerful new *Select* option for complex selection within folders
- * Telltale (new mail reporting) has been totally redesigned
- * New system messages window offers extra information
- * Filtering rules now support a logical AND operator
- * A new filtering rule action allows you to mark messages as "significant"
- * Support for sending mail using Authenticated SMTP
- * Several changes and improvements have been made to templates
- * Many, many small bug fixes and corrections

New in WinPMail v3.10

- * Full support for the IMAP4 protocol
- * Address completion
- * Message Templates (user-programmable forms)
- * "Resend" option for your copies to self
- * You can now "attach" an identity to any folder
- * You can now "attach" filtering rules to any folder
- * The spelling checker has been improved
- * Mounted mailboxes are now remembered between sessions
- * Many corrections and cosmetic changes

New in WinPMail v3.01d

- * Bug fixes only.

New in WinPMail v3.01c

- * New option to check all identities for POP3 mail
- * Noticeboard administration built-in, noticeboards heavily reworked
- * Inline display of several graphic types
- * PH directory service module redesigned
- * Attachments can now be deleted from Multipart MIME messages
- * Word wrapping enhanced for reading mail
- * HTML handling considerably improved
- * New identity options for editor, filtering rules and commandline
- * Significant performance improvements in MIME handling
- * Various minor goodies
- * Lots and lots and lots of bug fixes

New in WinPMail v3.01b

- * New editor technology allows formatting and unlimited size
- * User-interface appearance heavily overhauled to be more "standard"
- * Right-click menu options in most major window types
- * Filtering rules heavily overhauled and improved
- * New plugin foldering model supports Unix mailbox files
- * Hierarchical foldering completely reworked

- * Circulation messages for distributing documents
- * Spelling checker improved, new dictionary
- * "Identity" support heavily improved and built-in
- * Simultaneous access to multiple mailboxes
- * Easier POP3/SMTP setup, new capabilities, dialling
- * Mail queue and Message draft management reworked
- * Folders, sorting and display
- * Reading mail, HTML, RTF, Annotations
- * New options for sending mail
- * Lists, selection, and the Intellimouse
- * Configurable toolbar, and toolbar options
- * Features specific to Windows 95 and NT
- * Addressbooks, and import/export options
- * Extensions, LDAP Lookup Services
- * MAPI support modules
- * Miscellaneous goodies

Bug Fixes in v3.01d

- * A problem where space calculations were incorrectly done when saving preferences has been fixed.
- * The "Toggle monospace view" command (<F12>) in the message reader now works again.
- * A problem with identity management when sending mail using the built-in SMTP transport has been corrected (messages composed using the <Default> identity could be sent using the wrong "From" field).
- * Several small problems associated with the "Change user" command on the "File" menu have been fixed.
- * A problem where the message body would be omitted when sending attachments in MHS messages has been fixed.
- * A couple of cosmetic changes in the presentation of the address book have been made.

New option to check all identities for POP3 mail

In v3.01c, a new option labelled *When checking for mail, check for all identities* has been added to the "Advanced configuration options" page of the "Network configuration" dialog. When this option is checked, clicking the "Check for POP3 Mail" button on the toolbar will cause Pegasus Mail to perform checks for every identity you have currently defined using the *Identities* option on the *Tools* menu. This provides a very quick way of checking multiple mailboxes with a single click.

You can also force Pegasus Mail v3.01c to perform this kind of "multiple identity check" even when the option is not selected in your preferences by holding down the <Ctrl> key as you click the button. If the option is currently selected in your preferences, then holding down the <Ctrl> key will force Pegasus Mail to check only your current identity.

Individual identities can be excluded from multiple identity checks by checking the *Exclude this identity from multi-identity mail checks* control in the same dialog. Pegasus Mail is also smart enough not to check for mail more than once for any given account, even if it is specified in multiple identities.

Noticeboards heavily revised

Many corrections and enhancements have been made to Pegasus Mail's Noticeboard feature. In particular -

- * A noticeboard setup wizard now guides you through the setup process the first time you click the Noticeboards button, or select the Noticeboards option on the file menu.
- * Noticeboards can be created and administered from within WinPMail using the new *New topic* and *Current topic properties* options on the Noticeboard menu.
- * Notices in noticeboards can now be annotated by anyone with post rights in the noticeboard. This particularly handy feature allows public comments to be attached to notices.
- * You can now drag messages from any folder and drop them into a noticeboard if you have post rights there.

Inline display of several graphic types

Pegasus Mail can now display GIF, Animated GIF, JPEG, BMP, EMF and some TIF files without needing an external viewer to do so. Double-clicking any graphic from these types in a multipart MIME message will now display it in the message reader window.

PH Directory service client module reworked

Pegasus Mail's PH directory service module has been totally rewritten, and now conforms to the draft specification for the PH protocol. The new module works extremely well with the Mercury PH server introduced in Mercury/NLM v1.43 and Mercury/32 v2.14, and boasts a powerful user interface similar to the LDAP directory service module.

Attachments can be deleted from Multipart messages

It is now possible to delete any section from a multipart message by right-clicking the section from the message reader's section list and choosing *Delete section*. This operation can only be performed while the message is still in your new mail folder.

Word-wrapping enhanced for message reader

With an increasing amount of badly-formatted mail appearing on the Internet from poor-quality mail clients, it has become necessary to offer multiple ways of handling very long lines in mail messages. WinPMail v3.01c offers two different ways of wrapping lines:

1: Reformatting: this is the option as it has appeared in previous versions. WinPMail attempts to "guess" how the message was intended to be laid out and reformats the data accordingly. This option is still usually the most generally-accurate method of presenting aberrant data.

2: Wrapping: in this new mode, long lines are simply chopped at the right margin and wrapped to a new line. This mode is useful for handling some special cases where the Reformatting option fails, especially mail where entire paragraphs are simply stored on a single line.

Both these options can be accessed using the *Reader* menu while reading a message.

HTML Support heavily improved

HTML is a bit of a moving target at present - it's so poorly-standardised and the quality of the HTML generated by some of the major products is so poor that it's difficult to see how it can ever become a reasonable standard for formatted mail.

Pegasus Mail v3.01c sports a heavily-redesigned HTML parser, part of an ongoing process of trying to accommodate as much of HTML as we can. The new version supports frames, animated gifs and some of the more esoteric formatting options in HTML. Under v3.01b, some syntactically incorrect messages (in particular a great many generated by Netscape Communicator) could cause the program to crash when they were read. Under v3.01c, this should no longer happen - a number of workarounds have been implemented to deal with the most common HTML errors we've encountered, and the parser is now much more forgiving.

New identity options for rules, editor and commandline

Rules: you can now create a filtering rule that sets an identity. This is useful if you need to send a reply to an automatically-filtered message which uses an identity other than your default identity. The change of identity lasts until rule processing completes or until another rule causes an identity change.

Editor: you can change the identity that will be used to send a message using the new control on the Special view of the message editor.

Commandline: you can now specify that WinPMail should choose a particular identity at startup using the new `-ID <identityname>` commandline option.

Significant performance improvements in MIME handling

V3.01c's handling of MIME messages with multiple parts should be anything up to ten times faster than in v3.01b and earlier, owing to changes in the way such messages are processed.

Various minor goodies

- * Hyperlinks should work in HTML mail messages
- * Ctrl+F3 can now be used to expand an address from the recently-used addresses list: simply type in a couple of characters from the address you want in the To: field of the message editor and press Ctrl+F3 to expand it.
- * Messages containing RTF data should now print properly.
- * Many windows now resize more elegantly than in previous versions
- * Next, Prev and Delete buttons now work in "triangle" messages
- * Folders can now be closed by pressing <Esc>

Lots of bug fixes

Many small and not-so-small fixes have been made to v3.01c; the major ones are:

- * V3.01b would truncate some POP3 passwords - this is fixed in v3.01c
- * The time between new mail folder updates is now correctly handled
- * Filenames containing commas are now handled correctly in attachments
- * Filenames can now be much longer in attachments
- * Scrolling in the editor is not as lightning-fast as in v3.01b
- * System-wide folders are now presented in the proper mailbox
- * Messages with very long lines are now forwarded properly.
- * Many other problems with very long lines have been corrected
- * A problem with sorting messages in the +0000 timezone has been fixed
- * Signatures are now properly restored when reopening a draft message
- * Several encryption-related problems have been fixed
- * Handling of low disk space conditions has been markedly improved, especially in POP3 downloads.
- * Next and Prev buttons now work in noticeboards
- * Mail can now be sorted in the POP3 selective download window.
- * Problems with printer initialization have been sorted out
- * [16-bit] No longer GPFs when replying to a maximized message

New editor technology

Pegasus Mail v3.0 uses a new rich text editor that supports a wide range of formatting options, including all the standard effects like bold, italic, coloured text, and so forth. The editor allows you to read and compose messages of almost any size, and provides support for reading the most common types of formatted e-mail - HTML, Text/Enriched, and MS-RTF. Users of earlier versions of Pegasus Mail will appreciate the improved word wrapping in the editor, and the fact that it is now possible to do standard partial selection of lines in messages.

New user interface and controls

We've invested enormous effort in making Pegasus Mail more "Windows-standard", by switching to standard Windows controls and tools, changing our buttons so that they "rise to the cursor", and dim when the window is not active and adding tooltips to buttons throughout the program. We've also added standard column headers in our lists, that can be clicked for sorting and dragged for resizing. The Win32 version of Pegasus Mail now sports features specific to Windows 95 and NT 4.0, including the ability to place the Pegasus Mail icon in the system tray (it even flaps its wings when you get new mail!), and property sheet pages for preferences.

Right click menus in most major window types

Pegasus Mail adds convenient right-click menu options to most of its major window types - right-clicking an item in a window now usually pops up a menu containing options appropriate to that type of item. You can also usually select a group of items then right-click on any of them to access options for the whole group.

Windows that support right-click menus include the Folder Manager window, the Folder Browser window, the Message Editor window and the Message Reader window.

Filtering rules overhauled and improved

Pegasus Mail has had the best filtering capabilities in the industry since we introduced the concept in 1991. Now, with v3.0, filtering goes a step further, with the ability to filter by date and message age, and the ability to activate a rule based on whether or not the sender of the message is a member of one of your distribution lists (useful for suppressing "spam" from known abusers, or for restricting access to your lists to members). You can also now include comments in your rule files, and the process of editing your rules has been extensively reworked to improve its clarity and simplicity.

Pegasus Mail's rule file format is now a simple textual format, which should make it easy for people to share their rule files with others, and for system administrators to create tools for easy management of rule sets.

New plugin layer for foldering

Under Pegasus Mail v3.0, folders are supported by plugin layers, rather than being items specific to Pegasus Mail. As a result, Pegasus Mail can now potentially access mail folders of almost any type without the need for conversion. Initially, Pegasus Mail ships with plugins that allow it to read Pegasus Mail v2.x folders, and to read Unix Mailbox format folders, like those generated by programs such as Pine, and Eudora (the mailbox files must have the extension ".MBX" before Pegasus Mail will see them). A foldering plugin for IMAP4 connectivity is near completion and will be available shortly after the release of v3.0, and we plan to release a plugin supporting a special secure, encrypted and compressed format later in 1998.

If you are an existing Pegasus Mail user, Pegasus Mail v3.0 will read your v2.x folders without any effort on your part, and the folders will still be readable by Pegasus Mail v2.x afterwards. Similarly, if you wish, Pegasus Mail can read, create, and write Unix mailbox files for you too, making it easy to access your mail from other programs.

Hierarchical foldering completely reworked

The Folder Manager window under Pegasus Mail v3.0 is probably the most visible difference from previous versions. It now presents your mailbox hierarchy in a standard Windows hierarchical list. Moving around in the list is easier thanks to [+] boxes and the use of right and left arrows to expand or collapse a view. Where a tray contains a folder that has unread mail in it, that tray now displays in green to indicate this, even if the folder is within another tray at a lower level in the hierarchy. This makes it easy to find your unread mail.

You can drag your folders and trays around in the hierarchy and drop them in the places you want them to appear, making it easy and intuitive to create a hierarchy that suits your needs. You can now also create a folder any time the Folder Manager window is open simply by pressing <Ins>.

Many folders in the Folder Manager window now support right-click options to access features specific to them. V2.x users will appreciate that there is no longer a "Check tray list" command, because it's no longer ever needed.

You can also have multiple mailboxes open simultaneously in the Folder Manager window - see later for more information on this.

Circulation messages

Pegasus Mail v3.0 introduces a new type of message called a *circulation message*: in this, the message is sent to each addressee you select, in the order you select them, one after the other. As each addressee receives the message, he or she will be able to read it, then when ready, add comments and have the message forwarded automatically to the next person in the list. When the message leaves the last person on the list, it is automatically returned to the original sender with all of the comments conveniently laid out. The sender can opt to receive progress messages as each person receives and forwards the message.

As their name suggests, circulation messages are an ideal way of circulating a document or idea for comment. Future versions of Pegasus Mail will probably include other types of "workflow" message like this.

Start a circulation message by selecting *Circulation message* from the *New message* submenu of the *File* menu.

Spelling checker improved, new dictionary

The spelling checker now has an option to make it begin checking immediately, rather than waiting for you to click "Start check". If you don't regularly use multiple dictionaries, then you probably don't need the spelling checker to give you the opportunity to select dictionaries before checking, so you can check this control and save some time. Also, when you have Pegasus Mail set to spellcheck your mail automatically prior to sending, there is now an option to allow you to cancel sending the message and return to editing.

The default Pegasus Mail U.S. English dictionary has a quite limited vocabulary, and many people have asked for a new one. We've created a new US English dictionary for v3.0, but it's quite large and may run rather slower on older machines, so we decided do not include it as a standard part of the file: if you want the new U.S. English dictionary, retrieve the file `PM3USDCT.ZIP` from the site from which you downloaded Pegasus Mail v3.0.

The new dictionary is supplied as a standard feature on the CD-ROM shipped with manuals.

Identities support improved and built-in

Previous versions of Pegasus Mail included an extension (or plugin) called "Eve" that gave a limited ability to change parts of your preferences in order to simulate a different "identity". Under Pegasus Mail v3.0, this capability is now built-in to the program, and allows you to have an unlimited number of identities, each with its own complete range of settings and preferences. You can change your current identity as simply as selecting it from a list on the toolbar, and if you want to reply to or forward a message using an identity different from your current identity, then you can do so easily using the Identity controls in the reply and forwarding dialogs.

As an example of why you might want to use identities, imagine that you retrieve mail from two different POP3 service providers: under Pegasus Mail v3.0, you would simply set up an identity for each, then switch between them any time you wanted to retrieve or send mail using the settings for a particular provider. In its simplest form, an "identity" is just a way of giving a name to a particular set of preferences and settings.

To create or manage identities, choose *Identities* from the *Tools* menu.

Simultaneous access to multiple mailboxes

Ever wished you could access folders in someone else's mailbox or in another directory on your hard drive without quitting and restarting the program as that user? Under v3.0 you can. Using the *Add mailbox...* command on the Folder Manager's *Folders* menu, you can tell Pegasus Mail to list the folders in another user's mailbox or in any directory to which you have access rights. Folders found in that location will appear under a separate node in your folder list. Once you've mounted the mailbox, you can open its folders, move, view, delete or copy messages in them - in short, anything you would do with your own folders.

To add a mailbox to your folder list, choose *Add mailbox to list...* from the *Folders* menu while the Folder Manager window is the frontmost window.

Easier POP3/SMTP setup, new capabilities, dialling

Pegasus Mail v3.0 has a first time Internet Setup Wizard that guides new users through the process of filling in the information it needs to access POP3 and SMTP mail services. The Network configuration dialog has also been reorganized to make it easier and clearer.

The 32-bit version of Pegasus Mail v3.0 has support for a number of ways of controlling telephone dialling when you access the Internet via a modem, including support for user-defined programs, support for the Internet Explorer v4.x and Windows 98 dialler, and support for simple automated hangup using an extension called HANGUP32, by John Navas. We also include a neat application called RASDIAL95, by Claudio Fahey, that can be used to automate dialling and disconnection using the full Windows 95 and NT "RAS" subsystem.

New POP3/SMTP features in v3.0 include:

- * No longer performs a POP3 authentication before sending mail
- * User can opt to send mail before retrieving it (in the *Advanced options* dialog)
- * Support for the APOP authentication method for POP3

The Setup Wizard can be suppressed by system administrators if necessary using a commandline switch.

Mail queue and Message draft management reworked

Under v3.0, the *Review queued mail* and *Open saved message* options on the *File* menu now open a *modeless* window (one that can be left open on the desktop while you do other things). This greatly simplifies the process of working with mail waiting to be sent.

You can now send a message or messages in your queue at any time by clicking the *Send now* button; only the selected messages will be sent. The same applies to your draft messages - you can send them at any time without having to reload them into an editor and click the *Send* button. Messages and drafts can be copied directly into mail folders if you wish, and even *Final form* messages (messages that have been converted into a form suitable for actual distribution) can be easily read.

Folders, sorting and display

Under Pegasus Mail v3.0, sorting options and column widths are now remembered on a folder by folder basis (under previous versions there was one global setting). Sorting by date can now have timezone compensation turned on or off (when it is on, dates are converted to GMT before comparison and display).

Folders now have a *Size* column, and messages can be sorted by size.

You can now sort in ascending or descending order by repeatedly clicking the column heading control by which you want to sort. Any field can now be used for ascending or descending sort.

A new *Sort by thread* option is available on the *Folder* menu: when this is selected, the folder is sorted by subject, then sub-sorted again by reverse date. This attempts to present related messages in the order they were sent.

More "From" and "Subject" data is now displayable in folders, and you can usually edit the text displayed in these fields using the *Properties* option on the folder's right-click menu.

Messages can now be marked *Read-only*, meaning that they cannot be moved or deleted. Use the option on the right-click menu for this.

Reading mail, HTML, RTF, Annotations

Pegasus Mail v3.0 uses a new editor technology to display messages when you read them: this new technology allows it to display four distinct types of mail message:

Standard Internet text: still the best and easiest, really

Text/Enriched: a special format related to the MIME specification, supporting simple formatting, such as bold, italics, font changes and so on.

HTML: Pegasus Mail has reasonable support for HTML mail, although it currently does not support frames or animated GIFs (both will be present in the next release). HTML is often poorly implemented, so results with HTML mail may be variable. Pegasus Mail still gives you the option to use your web browser to display HTML data if you wish, but the default is to use its inline display mode. Replying to HTML mail may produce mixed results.

RTF: A non-standard option, Pegasus Mail has full support for the Microsoft RTF specification. By default now, Pegasus Mail always sends local mail (mail to other users on your system) using RTF formatting, since it supports the richest variety of formatting.

You can now suppress the "footer" printed at the bottom of mail messages using the option in the print dialog when you print your mail.

Message annotations are now easily accessible while you read your messages.

New options for sending mail

Many new options are present affecting the way mail is sent. In the descriptions below, the text in square brackets describes the preferences page where the option is found.

You can now opt to suppress the "information" sections Pegasus Mail adds to describe any attachments your messages may have. You can also opt to suppress BCC listings in the messages you send [Both in *Tools* | *Options* | *Sending mail*]

You can now opt to have the reply address settings in the reply dialog reset before each message, which makes it more useful in some environments [*Tools* | *Options* | *Message settings*]

The *Attachments* view of the message editor now has a *Size* column, and the columns can be resized. This view also has a "recently-attached files" button you can use for regularly-attached files.

RTF support: you can now paste pictures and other data into messages sent to other users on your local system (see the right-click menu for pasting pictures).

Lists, selection and the Intellimouse

Pegasus Mail's selection within lists has been modified to conform to "Windows standards". Holding down Ctrl and using the arrow keys will move the selection rectangle around, and pressing <Space> will select and unselect items in the list. Use <Shift> + the arrow keys to select a range of items in a list.

Pegasus Mail's list views now all support *live scrolling* - that is, they scroll while you drag the thumb on the scroll bar.

Pegasus Mail now supports the Microsoft Intellimouse mouse wheel in lists and editor windows.

Configurable toolbar, and toolbar options

Pegasus Mail v3.0 has a configurable toolbar. Three standard configurations are included (see the *Toolbars* (Win32) or *Button panel* (Win16) preferences page), but any layout you wish can be created by editing a simple text file. See the file `BPANEL.TXT` in the `RESOURCE` subdirectory of your v3.0 installation directory for more information on customizing your toolbar. A user interface for customizing the toolbar will be included in a future version.

Toolbar tooltips can be turned on and off using a simple preferences option. Separate settings are available for controlling tooltips in the main toolbar and in the toolbars used by the major window types in Pegasus Mail (see the preferences page for more on this).

The formatting toolbar in the message editor can be turned on and off (see the *Message editor settings* preferences page for this).

Features specific to Windows 95 and NT

The following features appear only in the Win32 version of Pegasus Mail v3.0, which will now only run under Windows 95 or later, or Windows NT 4.0 or later.

Automatic timezone determination: Pegasus Mail will get the correct timezone for your mail from the operating system, including allowances for daylight savings where applicable (this can be controlled via a checkbox on the *Advanced* preferences page).

System tray options: Pegasus Mail can place an icon in the system tray, and can optionally animate that icon (make it flap its wings) when new mail arrives. See the *Advanced* preferences page for these controls.

Dialling: The Win32 version of Pegasus Mail has a number of options available for controlling dialup TCP/IP connections. Click the *Dialling* button in the *Network configuration* preferences dialog for more on this.

Addressbooks, and import/export options

Under Pegasus Mail v3.0, all addressbooks remember their sort order, column width, and alias resolution settings on a case-by-case basis - even system-wide address books.

You can now also import and export *tab-delimited text files*: this format is easy to work with and allows your addressbooks to work easily with databases and programs such as Excel. For more information on the tab delimited format, see the addressbook help section within Pegasus Mail. Import and export options appear on the *Addressbooks* menu.

Extensions, LDAP Lookup Services

All the standard extensions supplied with previous versions of Pegasus Mail (telephone message, mail merge, MultiPOP, finger, and ph client) have been updated to the new v3.0 look and feel. Some, like the telephone message extension, have had functionality added.

Pegasus Mail v3.0 also includes an LDAP extension: LDAP is a directory protocol that is becoming more and more widely-used on the Internet. All standard LDAP lookups can be performed easily with the Pegasus Mail LDAP extension.

Extensions can now install themselves onto the standard program menus, so the telephone message extension now appears on the *New message* submenu of the *File* menu, where you would expect it to be, while the LDAP extension appears in the *Addresses* menu, along with the finger and ph clients.

MAPI support modules

Pegasus Mail v3.0 includes modules that provide support for the so-called "MAPI Specification", a Microsoft interface that supposedly allows applications like word processors to send mail. The modules supplied with v3.0 currently only provide support for sending messages, not for addressbook lookups or receiving incoming mail.

Two different versions of the MAPI specification exist - the older "Simple MAPI" specification which is used by almost everyone except Microsoft, and "MAPI 1.0", a recent renovation of the MAPI specification that is reasonably specific to Microsoft products. Pegasus Mail v3.0 supports both specifications, although the MAPI 1.0 modules require more effort to use than their Simple MAPI counterparts. In order to use the MAPI 1.0 modules, you must have installed the Windows Messaging component, and you will need to add the Pegasus Mail delivery transport to your messaging profile. Note that if you have installed Microsoft Outlook, then that product interferes heavily with the MAPI interface under Windows, and may prevent other transports from being added to the Windows Messaging subsystem.

The MAPI support is provided as a separate installer that will appear in your program group after you have installed Pegasus Mail v3.0.

Miscellaneous goodies

- * Copies to self now indicate whether or not confirmation of reading or confirmation of delivery was requested for the message.
- * You can now set a permanent BCC address that is applied to all your outgoing messages - see the *Sending mail* preferences page for this option.
- * Most dialogs and windows in the program now remember their position and size
- * While reading a message, you can select an address in the message then add it to a distribution list by right-clicking and choosing "Add selection to DList". This is particularly useful in conjunction with the new filtering trigger that checks for list membership.
- * The global folder search (choose *Find* from the *Edit* menu while the Folder Manager window is frontmost) can now search all the folders in a sub-portion of your hierarchy: simply click on a tray before initiating the search and all the folders in and below that tray in your tree will be searched.
- * If you use Mercury as a mail gateway, you can now edit and manage your Mercury automatic reply from within Pegasus Mail - choose *Automatic reply...* from the *Tools* menu.
- * You can set whitespace borders around the message editor, and change the way the cursor is placed in replies using the *Message settings* preferences page.
- * Dragging a group from the local user list window (NetWare mode) and dropping it onto a multiline editor will expand the group membership for you. This is handy if you want to create a distribution list containing all but a few of the members of an existing group.
- * Low disk space conditions are now handled much better than in previous versions.

Support for the IMAP4 protocol

Pegasus Mail now has comprehensive support for the IMAP4 protocol. IMAP4 allows you to access mail folders on a remote computer system as if they were on your local machine.

Pegasus Mail allows you to create an unlimited number of IMAP profiles and to access as many of them as you need at any time. It is possible to have multiple IMAP mailboxes online at the same time and drag/drop messages between them. An IMAP folder behaves exactly like a regular Pegasus Mail folder in any way - it can be searched, filtering rules can be applied to it and so on.

To access Pegasus Mail's IMAP features, see the *IMAP profiles* option on the *Tools* menu.

Attaching identities to folders

Starting with v3.10, you can now "attach" an identity to any folder or mailbox by right-clicking on that item in the Folder Manager window list.

When a folder has an identity attached to it, that identity will be the default identity when you reply to any messages in that folder. This allows you to specify different message settings (such as signatures and encryption) depending on the source of the message.

This feature is likely to be particularly useful to people who use multiple IMAP servers.

Attaching filtering rule sets to folders

Starting with v3.10, you can now "attach" mail filtering rule sets to any folder by right-clicking on that folder in the Folder Manager window list.

You can attach either a filtering rule set that is applied each time the folder is opened, or a set that is applied each time the folder is closed, or both, or neither. Any rule set created using the *Create/edit general rule set* menu option on the *Filtering rules* section of the *Tools* menu can be attached to a folder. You can attach the same rule set to multiple folders if you wish.

Spelling checker improvements

The v3.10 spelling checker now handles hyphenated words correctly and deals better with some common Internet conventions, such as enclosing a word in * characters for emphasis. It should also work substantially faster than in previous versions, and should offer a better selection of suggestions for misspellings.

Mounted mailboxes remembered between sessions

Starting with v3.10, an mailbox you have added to your folder list using the *Add mailbox to list* command on the *Folders* menu will be remembered and automatically remounted the next time you run Pegasus Mail.

For this to work correctly, you must have checked *Save desktop state between sessions* in the *General* preferences page of the *Options* choice on the *Tools* menu, and the mailbox must be showing in the list when you exit from the program (if you have removed the mailbox using the right-click *Disconnect this mailbox option*, it will not reappear in the next session).

Mailboxes mounted from floppy diskettes are not remembered between sessions.

You can now also remove any mailbox you have added in this way by right-clicking it and choosing *Disconnect this mailbox*.

Message Templates (user-programmable forms)

Pegasus Mail v3.10 includes a powerful new scripting tool that allows you to build your own mail message forms and templates. You can use this feature to create custom message editors, or to auto-generate complex replies.

Message Templates used for creating new mail messages are accessed by choosing *Templates...* from the *New Message* submenu of the *File* menu, or by pressing <Shift+F7> at any time.

To reply to a message using a template, hold down the <Shift> key as you press <R>, or as you click the *Reply* button.

Pegasus Mail ships with a couple of handy message composition templates, but has no built-in reply templates. For information on developing your own templates (which you can do easily with no more powerful tool than the simple Windows `NOTEPAD` applet), please see the file called `TEMPLATE.TXT` in the `RESOURCE` subdirectory of the directory where you installed Pegasus Mail.

Address completion

Starting with v3.10, Pegasus Mail can "complete" your addresses for you as you type them in. It compares what you have typed with addresses to which you have sent messages recently, and those contained in your addressbooks. If it finds a match, it "completes" the address for you; by typing more characters from the address you want to use, you can narrow in on the item you need. This feature is also commonly found in Web browsers, such as MSIE and Netscape.

Address completion is turned on by default for new users. Existing users can turn it on using the options on the *Message Settings* preferences page (select the *Tools* menu, then *Options* to access this page).

Resending your copies to self

You can now select any copy-to-self message (a copy of a message you have sent out), right-click it and choose "Resend..." from the popup menu: Pegasus Mail will create a new message editor window set up as closely as possible to the way the message was when you sent it out. Any attachments the original message had will be re-attached if the files still exist, and all the message settings used in the message will be restored. You can make any changes you wish to the message before sending it again.

Allied to this new feature is a number of improvements in the way Pegasus Mail saves your copies to self - they contain much more information and are a much better representation of what you actually sent than in previous versions of the program.

Many bug fixes, workarounds and corrections

- * The Attachments view of the message editor has been redesigned to make it simpler to use
- * The standard Windows "File Save" and "File Open" dialogs are now used everywhere
- * The Ctrl+J editor reformat command now "flows on" through a message if pressed repeatedly.
- * Sorting by thread in folders has been extensively tidied up
- * Forwarding options have been tidied up
- * Hyperlink parsing has been tidied up
- * The folder hierarchy has been made much more robust than in previous versions
- * The telltale window should now report mail more accurately

New *Select* option in folders

A new option on the *Folder* menu, *Select*, allows you to set up complex criteria for selecting messages in a folder based on any of a number of their characteristics. You can either mark the selected messages (very handy for moving them or copying them), or you can group them together at the top of your folder, where they will sort within their grouping according to your current sorting mode. This latter option is enormously handy if you just want to work with a subset of the messages in a folder.

You can also access this option by pressing Ctrl+F9 while the folder is open.

New System Messages window

Pegasus Mail v3.12 now has a new window available on its *Window* menu - *System Messages*. The program reports a considerable amount of information in this window - information that is useful, but which you don't necessarily want cluttering up your screen all the time.

Things of particular interest reported in the new window include:

- * Mail messages left on the POP3 server because they are too large
- * Messages sent
- * Comprehensive filtering results are reported

The system messages window is configured and controlled on the new *Reporting* preferences page within the program.

New mail reporting code completely reworked

Pegasus Mail v3.12 has completely rewritten new mail reporting code. Options for reporting are now on their own preferences page, *Reporting*.

The Pegasus Mail telltale window now reports how many messages you have in your new mail folder, the new mail folder of any other mailbox you have mounted, the new mail folder on any IMAP connection you have made, and new mail held on your POP3 server when you have told Pegasus Mail to count POP3 mail only instead of downloading automatically. The telltale window also only opens now when it actually has something to report. If you have previously turned off the telltale window in earlier versions because you found it intrusive, we suggest you try it again - in its new form, it's extremely useful.

For the Win32 version of Pegasus Mail, you can also have the system tray icon appearing all the time, and you can hide the Pegasus Mail taskbar icon when the program is minimized.

Finally, Pegasus Mail's new mail reporting logic now works all the time, not just when the program is minimized.

Changes to mail filtering rules

Pegasus Mail v3.12 now supports two new rule actions:

* *Logical AND* This rule action can be used to tie several rules together, ensuring that the action in the final rule is executed only if all the conditions are true.

* *Mark as significant* When messages are marked as significant, they sort above all other messages in the folder, regardless of the current sorting mechanism. This is an extremely useful way of tagging messages so that they come more readily to your attention.

Support for sending via Authenticated SMTP

Pegasus Mail v3.12 now supports recent Internet standards for the transmission of mail via Authenticated SMTP. The options controlling this appear on the *Sending via SMTP* preferences page in the new *Internet Options* dialog on the *Tools* menu.

Your ISP will be able to tell you whether or not you need to use authenticated SMTP to send mail, and if you do, will be able to tell you what username and password you should use.

Changes and fixes to Templates

- * You can now specify an identity for a message sent using a template, using the new *Set Identity = xxx* statement in your template file.
- * You can now chain templates together using a *Chain* command: when a template is executed that contains a CHAIN command, it will automatically execute the specified template when it completes normally.
- * *Attach* statements now work in templates when you do not specify that the message should be opened in a window.

Many bug fixes and minor additions

- * You can now start Pegasus Mail minimized from the startup folder reliably
- * The Internet MIME "message/rfc822" content type is now properly supported
- * Hyperlinks now work correctly in all messages
- * You can now specify the right margin for wrapping in the message reader
- * You can now hide the Pegasus Mail taskbar icon when the program is minimized.
- * You can now use Ctrl+[Plus] and Ctrl+[Minus] to control the width of the columns in the folder window.
- * A problem in v3.11 where adding a second attachment to a message could cause a crash has been fixed.
- * Several improvements have been made to the way WinPMail interoperates with the DOS version of Pegasus Mail when they are both run on the same account.
- * Fixes several problems in the way messages were forwarded in v3.11
- * Stores passwords much more securely than previous versions.

Bug fixes in v3.12b

- * A Y2K problem in rule sets that match on message date has been fixed.
- * Problems with temporary files not being deleted have been corrected
- * The Internet Setup Wizard now accepts POP3 usernames containing '@'
- * The "Deleted messages" folder now properly remembers its position and size between sessions, and can have identities and filtering rule sets attached to it.
- * Problems caused by folder entries not being deleted from STATE.PMJ when folders were deleted have been fixed.
- * Problems with the "From" field in some copies-to-self have been fixed.

There was also one very small feature addition: a new template command has been added that allows you to control the default state of the "Send message without opening an editor" control - please see TEMPLATE.TXT for more information.

