

# PureMail Version 1.3

## User Authentication System for Email

### Installation & Operation Guide

Introduction by Stephen Waelder

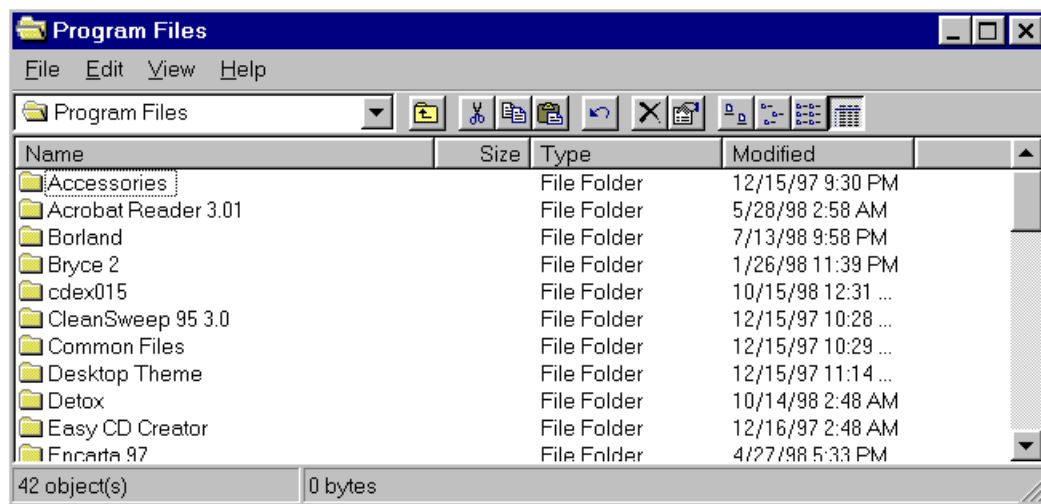
I have decided to write this document since the ZDNet.com review of **PureMail**, which described **PureMail** as the "Ultimate answer in the war against unsolicited mail", found only **one weakness**, Its **Documentation**. I also found myself writing **Louie R. Orbeta** for answers to questions, which were answered the same day. **PureMail** is an excellent tool and once you understand how it operates, very easy to install, configure, and utilize.

**PureMail** is distributed in a compressed ZIP file, or self-extracting ZIP executable. I recommend that you uncompress the ZIP file, or self-extracting ZIP executable into a temporary directory from which you install. In the case where you have a self extracting ZIP executable, just store the file in a temporary directory and run it. The files extracted from the ZIP file will include:

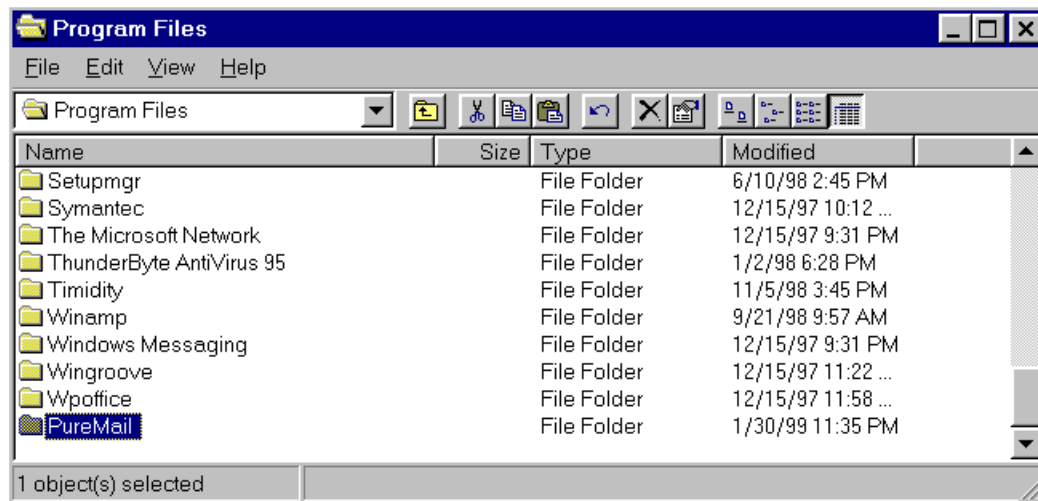
- PureMail.exe - The **PureMail** program
- Readme.txt - Main documentation
- Install.txt - Author's Installation instructions
- License.txt - Some legal mumbo-jumbo stuff..
- Descript.txt - **PureMail** description
- Letter.txt - Letter from the author
- Changes.txt - Summary of changes of each version

#### Installing **PureMail**

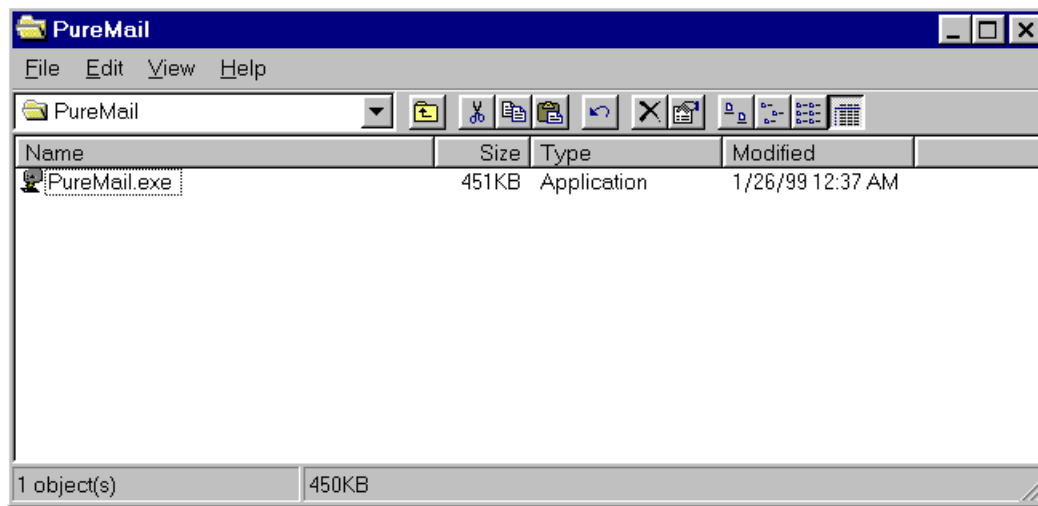
1. Create a directory where **PureMail** will be installed. I recommend **C:\Program Files\PureMail**. Open, depending on your system, Windows Explorer or Windows NT Explorer. Goto the **C:\Program Files** directory:



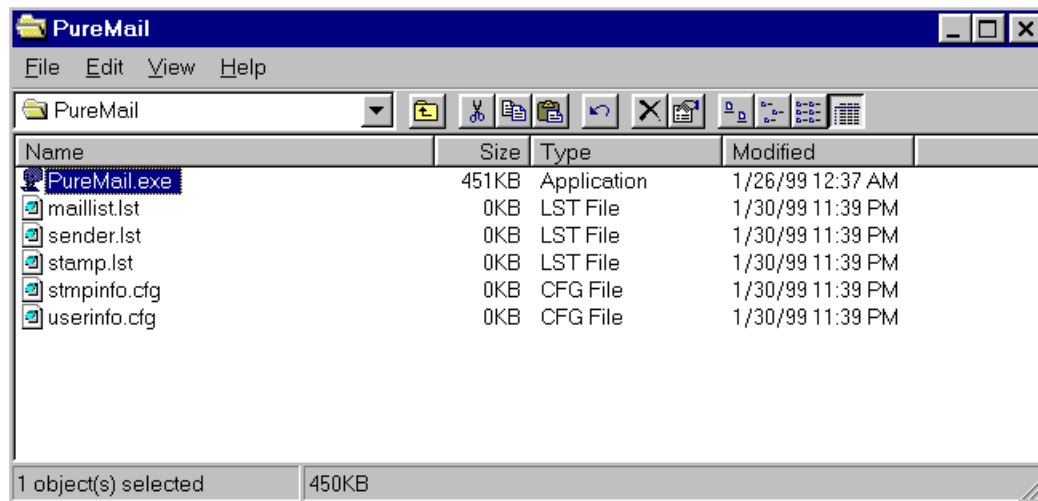
2. Left Click **File**, Select **New**, and left click **Folder**, Enter **PureMail** as the directory name:



3. Move the **PureMail.exe** from the temporary directory into the **PureMail** directory and then open the **PureMail** directory:

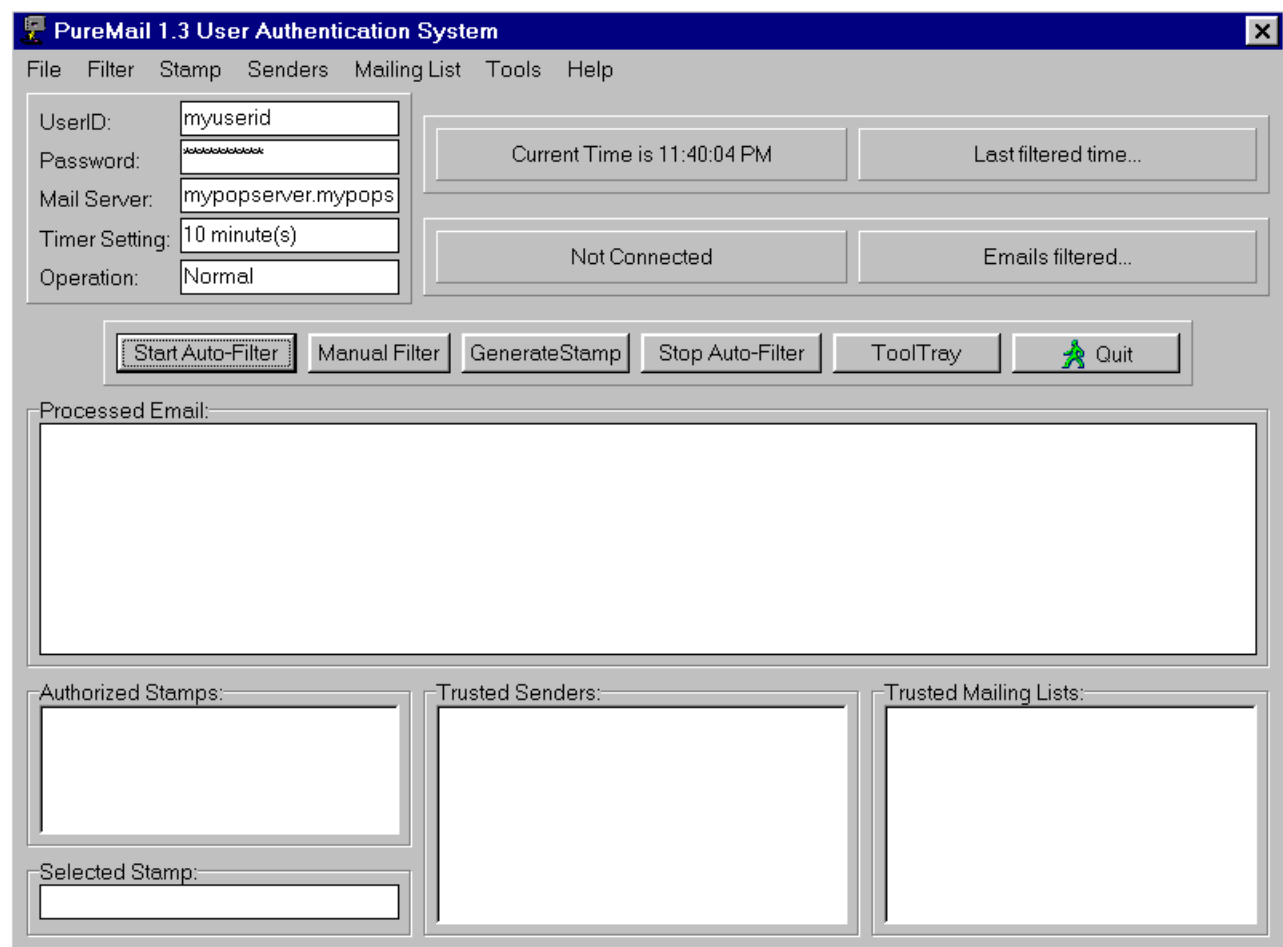


4. Start **PureMail** for the first time by double left clicking on the **PureMail.exe** file icon. The **PureMail** icon will appear on the tool tray and **PureMail** will initialize the configuration files that it will use. Please note that **PureMail** may seem slow or unresponsive since the default configuration contains an invalid POP Mail Server Name. **PureMail** will try to connect to this non-existent system and will time out the connection after a short period. At this point, the **PureMail** directory will now contain additional files:



## Configuring PureMail

1. Left click the **PureMail** icon on the tool tray to open **PureMail** to its main window:



2. Left click **Tools**, then **User Information** to display the User Information, **PureMail** Timer Settings, and Mode of Operation:

**User Information**

Enter Your Information:

UserID: myuserid

Password: [masked]

POP Server: mypopserver.mypopserverdomain.

Timer Settings:

1 Minute

2 Minutes

5 Minutes

10 Minutes

15 Minutes

30 Minutes

60 Minutes

Type of Operation:

Normal - Display only rejected headers, delete them from server

Read-only - Display all headers, don't delete any email

OK Cancel

3. Enter your Email account name, Your Email account Password, and your ISP's POP Email server name. This is the same information that you use in configuring your Email reading software. If you have any questions regarding this information, please contact your ISP. Select how often you want **PureMail** to check for new mail by selecting a Timer Settings value. Select the **Type of Operation - Normal** mode will erase any rejected email and display rejected headers. **Read-only** mode will simulate what emails will be accepted or rejected. This feature is nice if you're curious of what **PureMail** can do for you:

**User Information**

Enter Your Information:

UserID: elmo69

Password: [masked]

POP Server: mypopserver.myisp.net

Timer Settings:

1 Minute

2 Minutes

5 Minutes

10 Minutes

15 Minutes

30 Minutes

60 Minutes

Type of Operation:

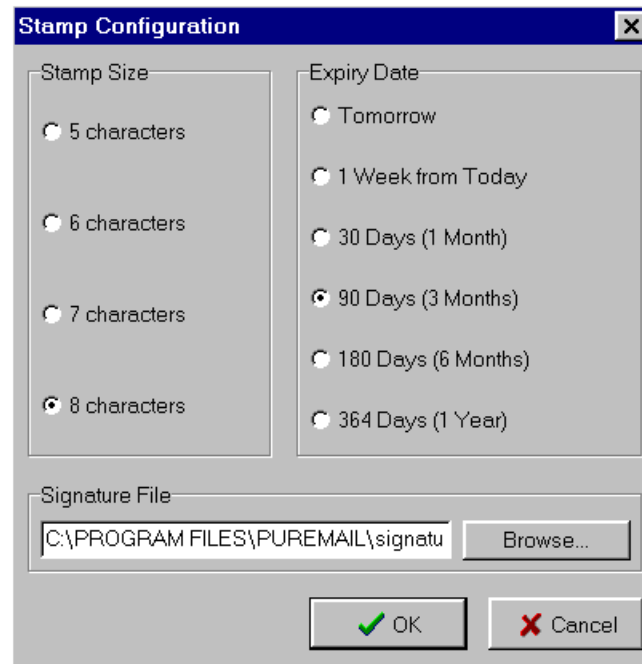
Normal - Display only rejected headers, delete them from server

Read-only - Display all headers, don't delete any email

OK Cancel

Left click OK when you have completed.

4. Left click **Tools**, then **Stamp Configuration** to display the Stamp Configurations. I have found that the default values are acceptable. If you ever need to create a Stamp which differs, you can open the Stamp Configuration and change the parameters as needed:



Left click OK when done.

## Defining Filters

**PureMail** has three filters to validate incoming Email messages.

- Stamps
- Trusted Senders
- Trusted Mailing Lists

**PureMail** performs the following tests when processing an incoming Email message:

Does the SUBJECT: contain a Stamp listed in the Authorized Stamps list?

**Answer** – Yes:

If the Stamp has an Expiration Date, is the Current Date before the Expiration Date?

**Answer** – Yes:

**Result** – Keep the Email message

**Answer** – No:

Does the FROM: or REPLY-TO: contain a string listed in the Trusted Senders list?

**Answer** – Yes:

**Result** – Keep the Email message

**Answer** – No:

Does the TO: or CC: or SENDER: contain a string listed in the Trusted Mailing Lists list?

**Answer** – Yes:

**Result** – Keep the Email message

**Answer – No:**

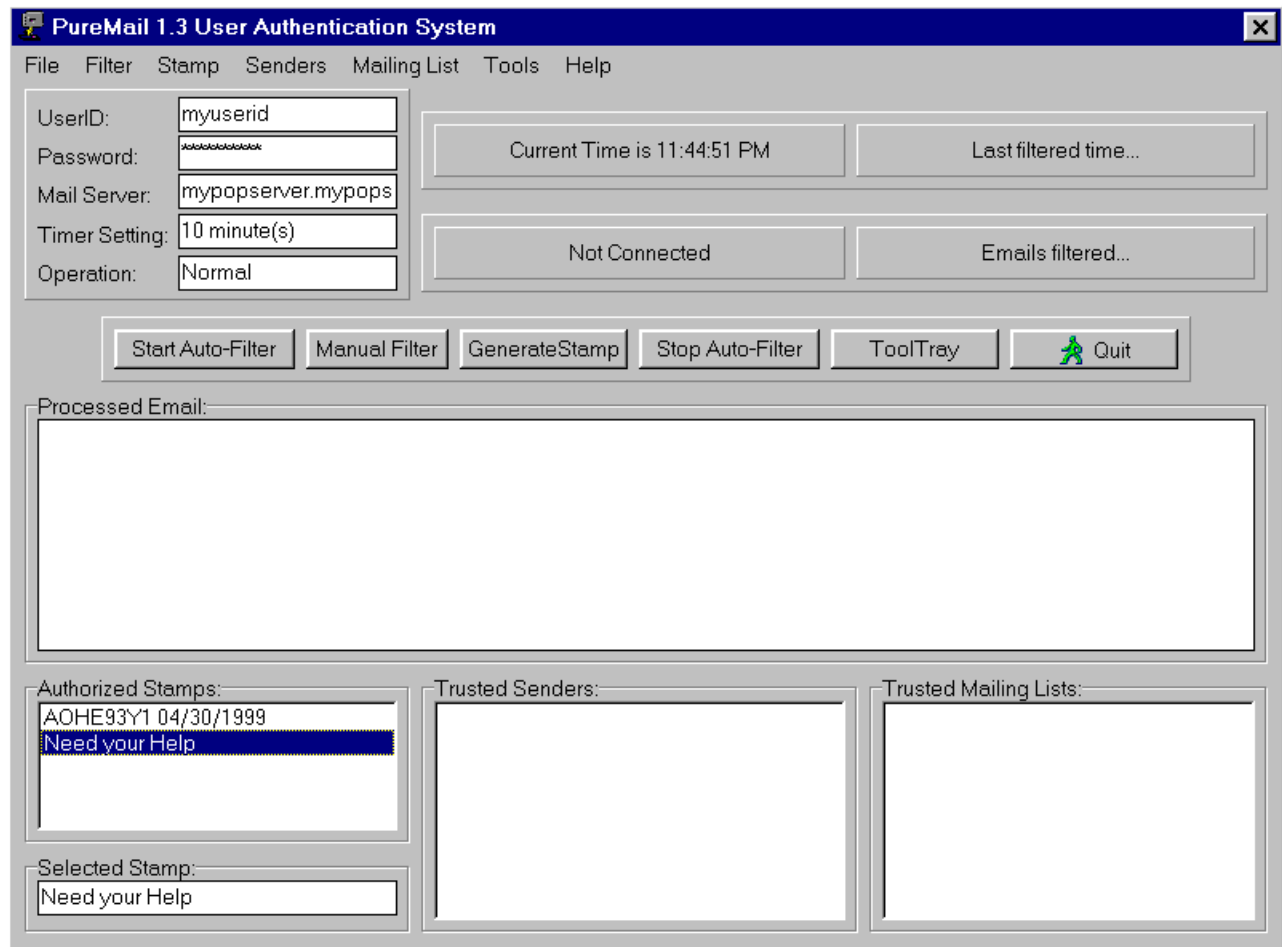
**Result – Delete the Email Message**

Stamps are either a **PureMail** generated string followed by an expiration date or a string that you configure with an optional expiration date. People sending Email to you use a Stamp as the subject of each message. You provide a valid Stamp to people you wish to authorize. Stamps are case and content sensitive. If a person alters a generated Stamp, it will no longer be valid and any Email containing the invalid Stamp is deleted. A Stamp can have any text before or after the stamp to make it easy for the recipient to read the email without opening it up. This is **PureMail's** most secure operation.

Trusted Senders are people you trust and do not need to use a Stamp. **PureMail** will search the "FROM:" and "REPLY-TO:" fields of incoming Email headers. Trusted Senders are not case sensitive and will also permit additional information in the field. If a match is found, then the Email is accepted.

Trusted Mailing Lists are Internet mailing lists that you have subscribed to and wish to continue to receive Email from. **PureMail** will search the "TO:", "CC:" and "SENDER:" fields of incoming Email headers. Like Trusted Senders, Trusted Mailing Lists are not case sensitive and will also permit additional information in the field. If a match is found, then the Email is accepted.

1. Left click **Stamp**, then **Generate Stamp** to create a Stamp. Note that you will have to provide this Stamp to people who will be sending Email to you. This is the most secure operation that **PureMail** provides. If none of the other tests have been passed, **PureMail** will delete any message that does not have a valid Stamp. If any portion of the Stamp is changed, the Email message will be deleted. A Stamp may also be any phrase or line of text. Left Click **Stamp**, then **Create Own Stamp** to define a Stamp. You enter the text that **PureMail** will utilize as a Stamp exactly as you want it to be used. Stamps are case sensitive and must match completely. You can apply an expiration date. Following the line of text, enter the expiration date as Month, Day, and Year in the format of mm/dd/yyyy. This is the same format for expiration date as shown below for the generated Stamp.



Left click **Stamp**, then **Save Stamp List** to write the configured Stamps to the Stamp.lst file.

Only messages containing:

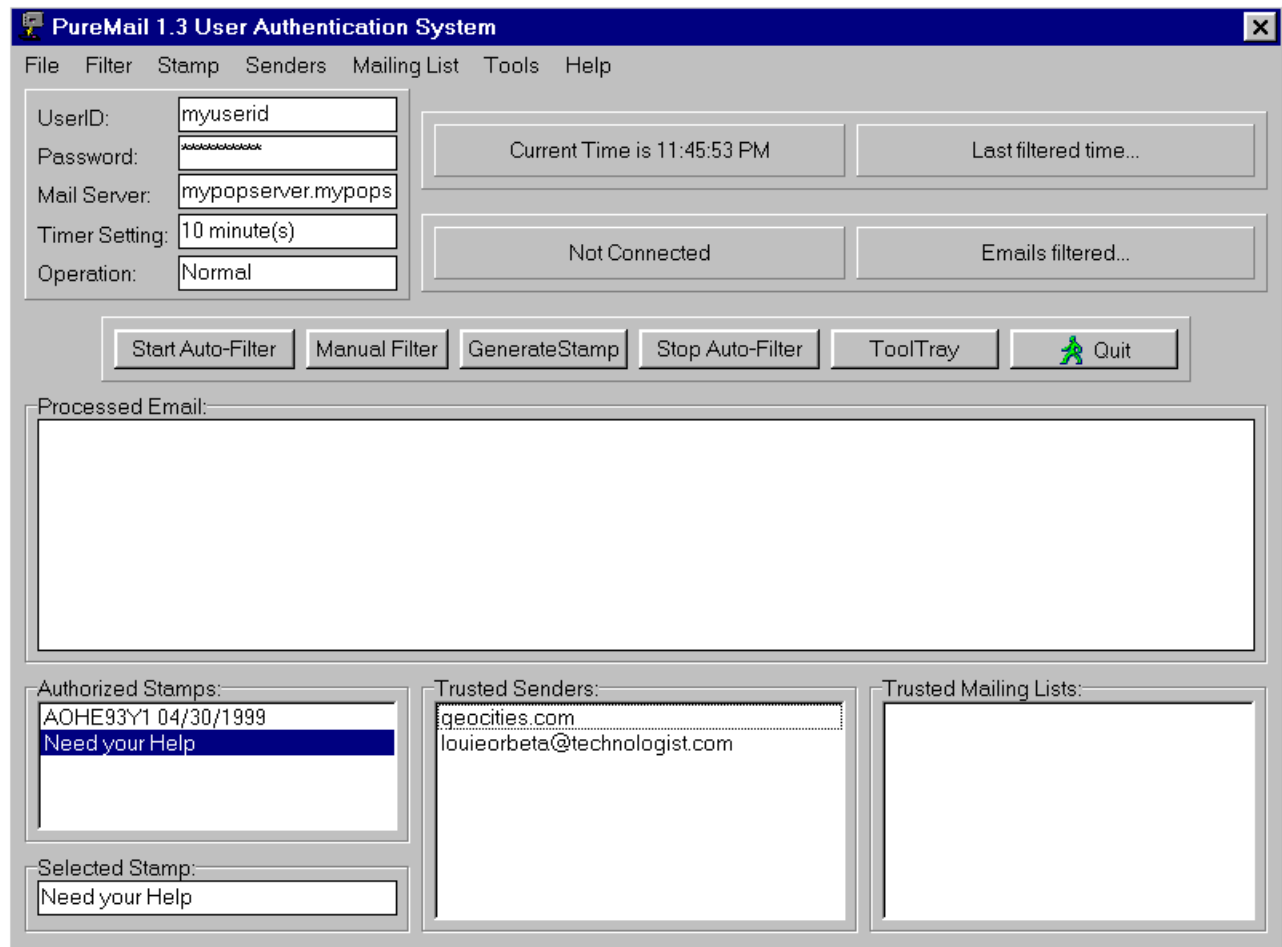
AOHE93Y1 04/30/1999  
Need your Help

As the Subject will be accepted, any messages with Subjects of:

Aohe93y1 04/30/1999  
Need Your Help  
Free Money, Retire Today

Will all be deleted if they do not also pass the Trusted Senders and Trusted Mailing Lists checks.

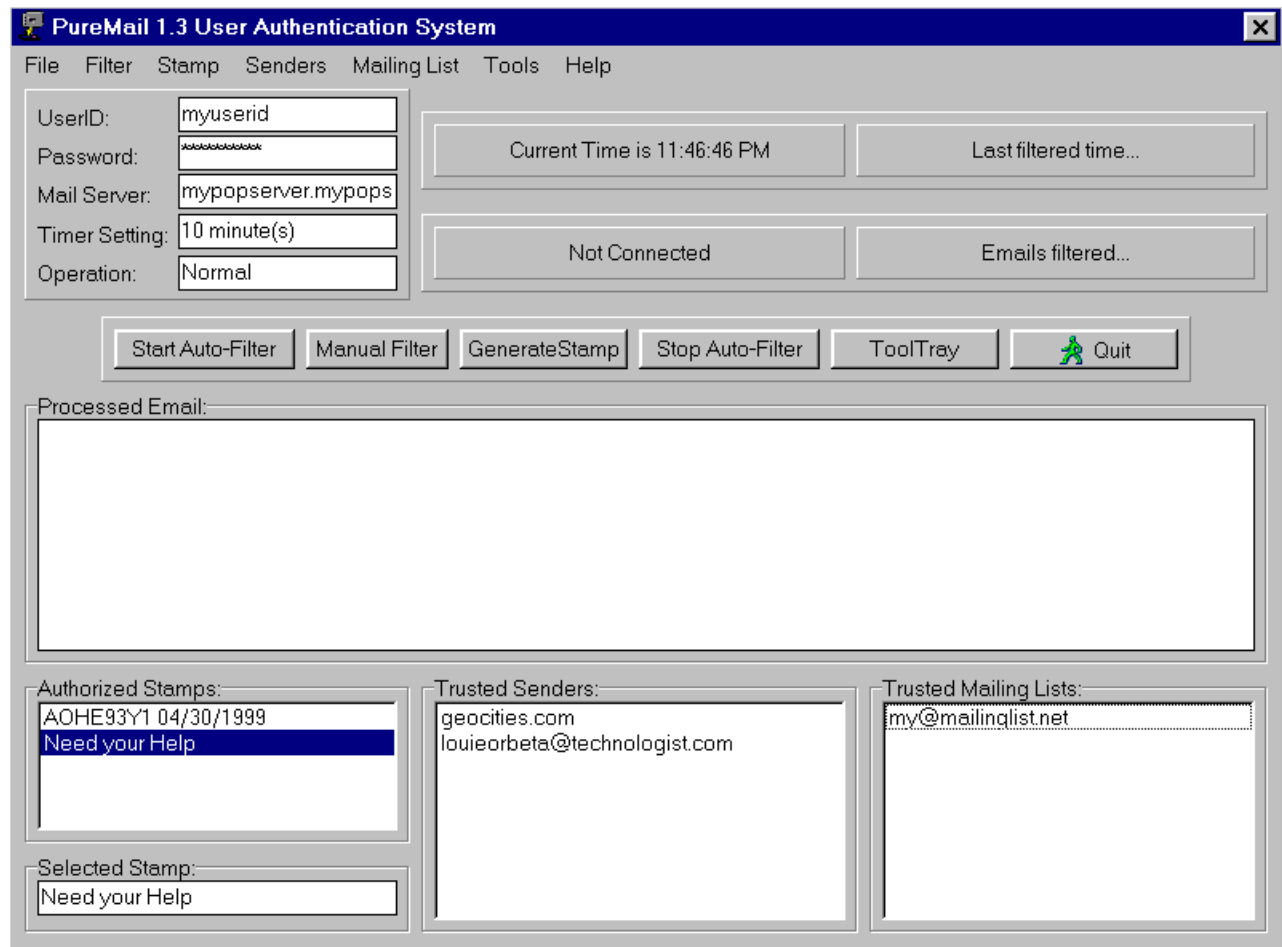
- Left click **Senders**, then **Add Sender** to authorize Email sent to you from specific people. Note that entries in this list will not need to use a Stamp and they do not even need to know that **PureMail** is filtering Email from them. Also note that **PureMail** will accept partial address strings. This is less secure than specifying each sender but easily authorizes any Email sent from an Internet domain. In the example below, I have entered geocities.com which uses this feature to allow anyone at Geocities to send Email:



Left click **Senders**, then **Save Senders List** to write the configured Trusted Senders to the Sender.lst file.

3. Left click **Mailing List**, then **Add Mailing List** to authorize Email sent to you from specific Internet Email lists. The entries in the Trusted Mailing Lists operate identically to the Trusted Senders. Note that entries in this list will not need to use a Stamp and they do not even need to know that **PureMail** is filtering Email from them:



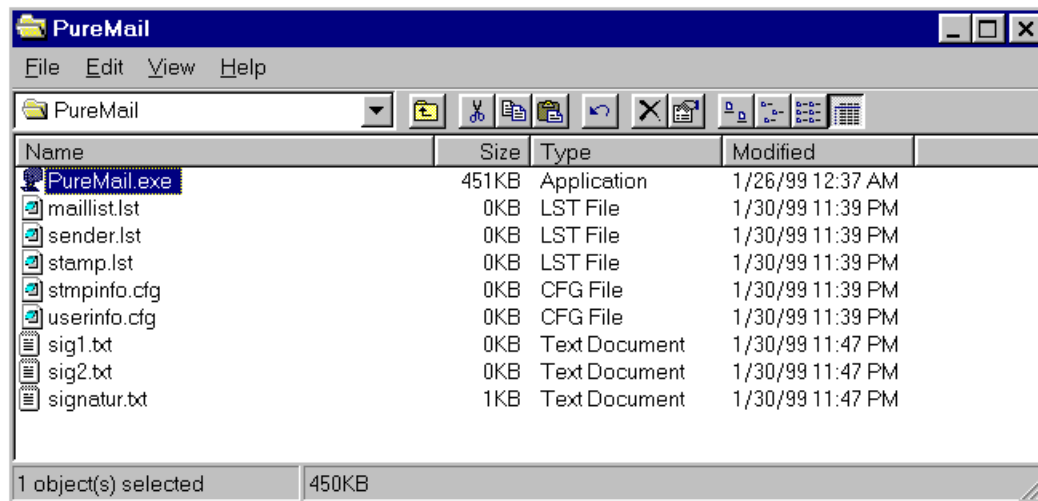


Left click **Mailing List**, then **Save Mailing List** to write the configured Trusted Senders to the Maillist.lst file.

This completes the Configuration of **PureMail**.

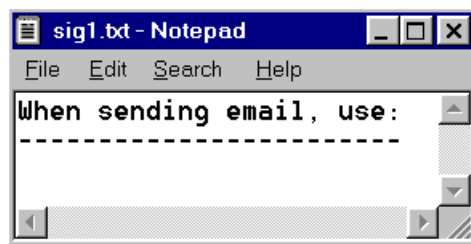
### Defining a **PureMail** Maintained Email Signature File

1. In the **PureMail** main window, left click a stamp that you wish to use in your signature file, then left click **Stamp**, then **Print Current Stamp to file**. This creates three more files in the **PureMail** directory:



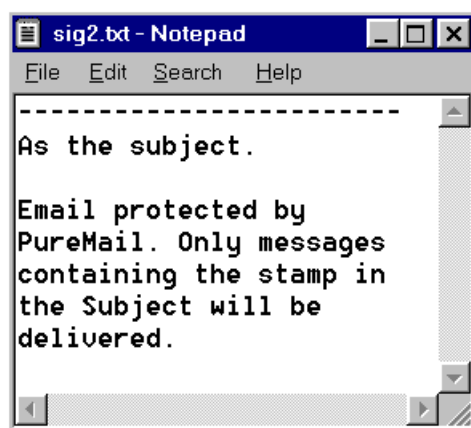
The Sig1.txt and Sig2.txt contain the text of your signature. The Sig1.txt is before the **PureMail** Stamp and Sig2.txt is placed after the Stamp.

2. Double left click the Sig1.txt file icon to open the file in Notepad. Enter the text you want for your signature that will appear before the included Stamp, Example:



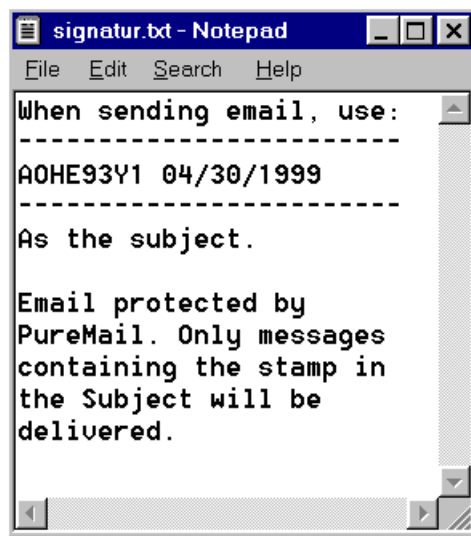
When you have completed, save the Sig1.txt file and exit Notepad.

3. Double left click the Sig2.txt file icon to open the file in Notepad. Enter the text you want for your signature that will appear after the included Stamp. Example:



When you have completed, save the Sig2.txt file and exit Notepad.

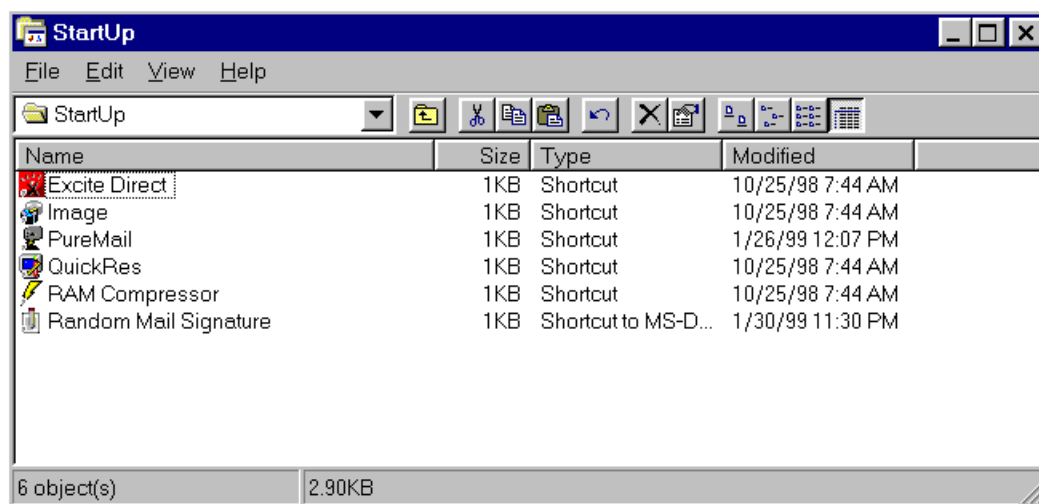
4. In the **PureMail** main window, again left click **Stamp**, then **Print Current Stamp to file**. This will recreated the **PureMail** Signatur.txt file with the selected Stamp and the contents of the Sig1.txt and Sig2.txt files.  
Example:



5. In your Email reader software, configure the **PureMail** maintained signature file, **C:\Program Files\PureMail\Signatur.txt**, as the signature for Email that you send out. The Email reader software vendor determines the ease and ability of any given Email software to do this. Please contact their technical support group if you have any questions in this area.

### Configuring **PureMail** to autostart

1. Copy the **PureMail.exe** file from the **C:\Program Files\PureMail** directory and paste a shortcut into your computers **Start Menu\Programs\StartUp** directory:



Note that the specific path to the **Start Menu\Programs\StartUp** directory can vary depending on the specific Operating System that you are using, Windows 95, Windows 98, or Windows NT.

This concludes the installation, setup, and configuration of **PureMail**.

## Acknowledgement

Original Document written by Stephen Waelder, Jan 1999

Modified by Louie R. Orbeta, Jan 1999