LeeMail 2.0.4 User's Guide 📫

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1.   Introduction

LeeMail 2.0.4 is a Macintosh mail program which uses the Simple Mail Transfer Protocol (SMTP) and the Post Office Protocol (POP) to send and receive mail on a peer-to-peer basis with Macs, workstations and mainframes. LeeMail requires the use of MacTCP, which is available from Apple.

Since LeeMail uses SMTP to transfer mail, LeeMail is ideal for mixed-platform environments. LeeMail's excellent Macintosh interface also makes it ideal for Mac-to-Mac mail. However, SMTP does not include any store-and-forward capabilities, so your Macintosh must be up and running to receive mail using that protocol. If your Mac is often turned off, you will probably wish to use the POP capabilities in LeeMail.

This manual is meant to both read as a narrative and to provide a handy reference. Please read through it quickly at least once, as it may save you some trouble later on. In the manual, I've tried to limit the gratuitous use of fonts and color pictures, except where color or font use adds utility.

2. How To Use LeeMail

2.1 Hi!

If you're anxious to get LeeMail running, go on to section 2.3, QuickStart. If you are more sedate or are unfamiliar with MacTCP, proceed.

2.2 Running LeeMail the First Time

When you run LeeMail for the first time, it will create a folder called "LeeMail Files", which will contain LeeMail's preferences and any mail you receive. When LeeMail runs subsequent to the first time, it will look for that folder in the same directory as the LeeMail application, so if you move LeeMail to another folder, move the "LeeMail Files" folder with it.

The first thing to do is to fill in the LeeMail settings. Choose "Settings" from the Edit menu. Each piece of information in the Settings dialog is explained below in Section 2.3. The items marked with asterixes (*) are fields that *must* be filled in for LeeMail to function properly.

2.3 LeeMail Settings

This section defines the various options that can be set in the LeeMail Settings dialog. The dialog has a list of groups of options on the left, with the options for the selected group on the right, as shown in the figure below.

```
≣≣≣≣≣≣≣≣≣≣≣≣≣≣≣≣ Preferences ≣≣≣≣≣≣≣≣≣≣≣≣≣≣≣

  ┌────────────────────────┐   Your mac's domain name:
  │ Mail Setup          ⇧ │   ┌──────────────────────────┐
  │ Outgoing Mail Options  │   │ asgard.domain.edu        │
  │ Incoming Mail Options  │   └──────────────────────────┘
  │ General Options        │   Your user ID:
  │ Notify Options         │   ┌──────────────────────────┐
  │ POP Options            │   │ laf                      │
  │                        │   └──────────────────────────┘
  │                        │   Your full name:
  │                        │   ┌──────────────────────────┐
  │                        │   │ Lee Fyock                │
  │                        │   └──────────────────────────┘
  │                        │   Your address for replies:
  │                        │   ┌──────────────────────────┐
  │                        │   │ laf@chs.cusd.claremont.edu│
  │                        │   └──────────────────────────┘
  │                        │   Time Zone or GMT offset:
  │                        │   ┌──────────────────────────┐
  │                     ⇩ │   │ -0500                    │
  └────────────────────────┘   └──────────────────────────┘
                                ( Cancel )    (( OK ))
```

2.3.1 Mail Setup

* Your Mac's domain name This is the domain-name of your Mac. It should be a series of names separated by dots; an example is "chs.cusd.claremont.edu", without the quotes. An IP address can also be used, but only if your Mac does not have a domain-name assigned to it.

* Your user ID This can be just about any alphanumeric string; no spaces or punctuation should be used. Some examples are "bill", "laf", and "John_Doe". This string is used when sending mail and for checking POP mail.

* Your full name This is your "human" name, which is placed in part the "From" line of the mail header so that recipients know who sent them mail. An example is "Lee Fyock".

* Your address for replies This is the e-mail address to which people will reply to your mail. This address is also placed in the "From" line of the mail header, and it has no real correlation to your Macintosh. That is, if your Mac is called

"asgard.domain.edu", you could have replies sent to "jack@rpi.edu" by putting that in this field.

Time Zone or GMT offset This field is used to generate the "Date" line of the mail header. The time zone should be a three-character field, such as "EST" or "GMT". Alternatively, you can use an offset from Greenwich Mean Time, which is expressed as a sign (+ or -), followed by four digits. This information can be found in the Map Control Panel, if you have set your Mac's location. For example, in Boston, the GMT offset is currently 5 hours, so this field should be set to "-0500".

2.3.2 Outgoing Mail Options

Use mail router This checkbox should be checked if you would like to send all outgoing mail through another machine, rather than having LeeMail connect directly to the recipient's machine. This has several benefits. First, sending outgoing mail through a machine that is close to you on the network frees up your Mac more quickly than trying to connect directly to a machine across the world. Second, if the recipient's machine is not currently accepting mail, you will manually have to instruct LeeMail to try sending the mail again, until the mail goes through; if you use a UNIX box as a router, then it will automatically continue trying to send the mail for three days (more or less; this is settable by the UNIX system administrator). Third, this may be the only way to get mail to the outside Internet, since many companies have security "firewalls" in which only a few "trusted" machines are connected both to the outside Internet and the internal networks.

Router domain name This is the domain-name of the router to use.

Binhex TEXT enclosures LeeMail enclosures are sent in binhex format, which is an ASCII representation of the Mac file's resource and data forks. Binhex is widely used on the Internet to pass Macintosh files via mail and other mechanisms which prefer ASCII data. Text files are normally also binhexed to retain the creator application's information. However, if you are sending a text file to a non-Mac host, you may wish to not binhex it, in which case you would uncheck this option.

Limit TCP packet size LeeMail normally sends data over the TCP/IP stream in blocks that are several thousand bytes in length. It has been found in at least one case that a TCP/IP gateway had trouble accepting and sending data in these large chunks. When this option is checked, LeeMail sends data in 128-byte blocks. This prevents the gateway problem, but performance is slowed considerably.
CC to self When this option is checked, LeeMail keeps a copy of all outgoing mail in a folder called "Sent Mail". Note that enclosures are not copied to the "Sent Mail" folder.

Use XX columns in window This option allows you to set the number of columns to be used in outgoing mail windows. Most mail interfaces provide 80 columns or less for text, so it is a good idea to set this value below 80.

Add signature When this option is checked, LeeMail automatically appends your "signature" to the end of your outgoing mail. A person's signature usually includes the person's name, e-mail address, company, and possibly a witty saying.

Signature… This button allows you to set the text of the signature to be appended to your outgoing mail. In keeping with net etiquette (or "netiquette"), the signature is limited to 400 characters. It is very annoying for people who have slow network connections to read mail or news posts from people who have 20-line signatures.

2.3.3 Incoming Mail Options

Hide mail headers When this option is checked, the mail headers are not displayed when you read a piece of mail. This option can be toggled by holding down the Option key when you open the mail.

Show enclosure icons At the bottom of the mail window, information about the mail is shown: who it is from, the subject of the mail, and the number of enclosures. Optionally, if the mail has one or more enclosures, their icons can be shown. When this option is checked, the enclosure icons are shown by default.

Scan folders for unread mail This is a cosmetic feature. When this option is checked, folders which contain unread mail appear filled in with black (∎ɪ), much as unread mail items are filled in. There is a performance penalty at startup, however, since each folder must be checked for unread mail.

Automatically file incoming mail This is a "multi-user" option which allows several users to maintain "accounts" on one Macintosh running LeeMail. Separate users can set up different IDs, user names, reply addresses and signatures. When this option is checked, incoming mail is filed into separate folders based on the recipient's user ID. The folders are created automatically if one does not already exist. See Section 2.10 for more information on multi-user operation.

User names… This button brings up a dialog which allows you to create user accounts, with separate user IDs, user names, reply addresses and signatures. These user names then appear in the "Send Mail To" dialog as a popup menu. See Section 2.10 for more information on multi-user operation.

2.3.4 General Options

Hide windows when in background When this option is checked, LeeMail hides its
windows when it is placed in the background. This is handy for keeping LeeMail out of
the way when you don't need it.

except status window When this option is checked, the Status window is not hidden if the "Hide windows" option is checked. This is useful for keeping track of the progress of LeeMail's sending of a large piece of mail in the background.

File only to LeeMail folders When this option is checked, the "File Mail" command will only allow filing to folders in the directory tree under the "LeeMail Files" folder. This is a protection to keep novice users from accidentally filing mail into the "Apple Menu Items" folder or other possibly inappropriate places. Note that this option will probably have to be turned off if you wish to file to aliases of folders outside the "LeeMail Files" directory tree.

Enable command-Q for Quit When this option is checked, the command-key equivalent for the Quit command is present. This option can be unchecked to prevent inadvertent quitting of LeeMail.

Disable Quit while mailing This option disables the Quit command while LeeMail is sending or receiving mail to prevent loss of mail.

Warn when deleting mail When this option is checked, LeeMail displays a confirmation dialog when deleting mail.

Folders must be empty to delete When this option is checked, LeeMail will not allow folders which contain mail to be deleted. It is strongly recommended that this option be checked; if it is not, then you can delete tons of mail with a single keystroke.

Autoquote when replying When this option is checked, replying to a piece of mail causes the mail to be "quoted" or included in your outgoing mail, with each line prepended by the quote character defined by the next option.

Use X as the quote character The X character (filled in by you) is the character used to delineate quoted portions of mail. This character is used both by the autoquote function and by the manual Quote menu item function.

2.3.5 Notify Options

Rotate icon while mail arrives When this option is checked, LeeMail uses the Notification Manager to display a small icon over the application menu (with System 7) or the Apple menu (with System 6) while mail is coming in. This is called "rotation" because of the way the current application's icon is rotated with the icons of applications that have notifications pending. Note that the rotating icon means only that mail is arriving, not necessarily that it has been completely received.

Play sound when mail arrives When this option is checked, LeeMail plays a sound (selectable also in this set of options) when mail has been received.

Repeat sound until mail read When this option is checked, LeeMail will continue to play the mail-arrival sound every so often (settable with the next option) until LeeMail is brought to the front. This isn't really "until the mail is read", but it is if you read the mail when you bring LeeMail to the front. :-)

Repeat sound every XX minutes This option allows you to set how often LeeMail repeats the mail-arrival sound if you have the previous option checked.

Play: X This popup menu allows you to choose the sound you wish to have played (if that option is checked) when mail arrives. The sounds displayed include the sounds installed in your system and the one present in the LeeMail application. The sound included with the LeeMail application was sampled using (Caution! Product plug approaching!) my shareware sound editor, Wavicle, and is a sound of a butter knife tapping a water glass, for those of you who are insatiably curious.

2.4 QuickStart

Run LeeMail. Choose "Settings" from the "Edit" menu. Fill in the following information:
- Your Mac's domain name
- Your user ID
- Your full name
- Your address for replies
- Time Zone
- Router domain name

At this point, you're ready to send and receive mail. Have fun!
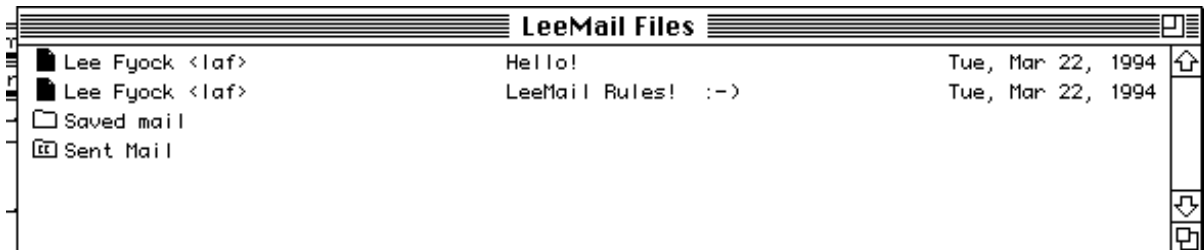
2.5 Trying Things Out

At this point, you should be ready to send and receive mail! The easiest way to test both operations is to send yourself mail. Do *not* do this if you are not using a mail router, however! Sending mail to yourself will cause LeeMail to hang (since LeeMail was written to do one thing at a time and cannot send and receive mail with itself simultaneously). Choose "Send Mail" from the Mail menu. The following dialog will appear:

Type in your own e-mail address and a subject for the mail and click OK or hit the enter key. A window will appear in which you can type your mail. When you are done, click the Send button or hit the enter key. The status window should show LeeMail's progress in sending the mail. When the status window shows "Ready", LeeMail has sent the mail. Several seconds later, the status window should indicate that mail is arriving. When the mail has been received, a new line will appear in the LeeMail Files window. Double-click the line to read your mail.

2.6 General Operation

LeeMail's main window is called "LeeMail Files", after the folder which contains the LeeMail files (hence the name :-). This window will display a list of sub-folders and mail, with the sender, subject and date of arrival for the mail, and may look something like the following figure:

```
≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡ LeeMail Files ≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡
  ▪ Lee Fyock <laf>          Hello!                    Tue, Mar 22, 1994  ⇧
  ▪ Lee Fyock <laf>          LeeMail Rules!  :-)        Tue, Mar 22, 1994
  ☐ Saved mail
  🗀 Sent Mail
                                                                          ⇩
                                                                          🗗
```

This window contains two pieces of mail (one from myself and one from Theron Tock), and two mail folders. The "Sent Mail" folder is created automatically when you use the "CC to self" option. The other folder was created using the "New Folder" menu command, and may be used to file mail.

To read a piece of mail or open a mail folder, you may do any of several things:
• Double-click the item
• Single-click the item and choose Open from the File menu (⌘O)
• Single-click the item and press the Return key
Opening a mail folder brings up a window very similar to the "LeeMail Files" window; mail folder windows may also contain mail and/or other folders.

2.7 LeeMail Menu Commands

This section explains the use of each LeeMail menu command.

2.7.1 The Apple Menu

```
 ┌─────┐
 │  🍎  │
 ├─────────────────┐
 │ About LeeMail... │
 └─────────────────┘
```

The Apple menu contains only the "About LeeMail" item. Choose it to find out some information about LeeMail, including the address to which you should mail your shareware payment. :-)

2.7.2 **The File Menu contains window- and file-related commands**

```
┌─────────────────────────────────┐
│ File                            │
├─────────────────────────────────┤
│ Open                       ⌘O   │
│ Close                      ⌘W   │
│ ·······························  │
│ Save Mail As...            ⌘S   │
│ Append Mail To...          ⌘E   │
│ File Mail to Folder...     ⌘F   │
│ Insert Text File...        ⌘I   │
│ ·······························  │
│ Page Setup...                   │
│ Print...                   ⌘P   │
│ ·······························  │
│ Quit                       ⌘Q   │
└─────────────────────────────────┘
```

Open opens the currently selected mail or folders in a window.

Close closes the frontmost window, unless it is a dialog.

Save Mail As saves the currently selected mail (in a folder window) or the contents of the frontmost window (if you're reading or composing mail) to a new file.

Append Mail To saves the currently selected mail (in a folder window) or the contents of the frontmost window (if you're reading or composing mail) to an existing file.

File Mail To Folder Allows you to file the currently selected mail to a mail folder. If the "file only to LeeMail folders" option is checked, then an error will result if you try to file the mail outside of the LeeMail Files directory tree. Mail can also be filed to folders by selecting and dragging the mail to the folder's window.

Insert Text File Allows you to insert the text of an existing file into the text of a message you are composing.

Page Setup Allows you to set the page setup parameters for mail you are reading or composing.

Print Prints the mail you are reading or composing.

Quit Quits LeeMail.

2.7.3 The Edit Menu contains text editing and LeeMail settings menus.

```
 Edit
  Undo         ⌘Z
..........................................
  Cut          ⌘H
  Copy         ⌘C
  Paste        ⌘U
  Clear
..........................................
  Select All   ⌘A
  Quote
..........................................
  Aliases...
  Settings...
```

Undo should undo the last action performed, if it were ever un-dimmed. Not implemented in LeeMail 2.0.4.

Cut deletes the currently selected text and places it in the clipboard.

Copy copies the currently selected text to the clipboard.

Paste copies the contents of the clipboard to the frontmost window at the cursor position.

Clear deletes the currently selected text.

Select All selects all the text in the frontmost window

Quote "quotes" the currently selected text by prepending the quote character (defined in the Settings dialog) to each line of the selected text.

Aliases brings up a dialog which allows you to define aliases, or shorthand versions of people's e-mail address or mailing lists.

Settings brings up a dialog which allows you to tailor LeeMail's behavior and configuration.

2.7.4 The Mail Menu contains mail-related menus.

```
┌─────────────────────────────┐
│ Mail                         │
├─────────────────────────────┤
│ Send Mail...          ⌘M     │
│ Reply...              ⌘R     │
│ Forward...                   │
│ ··························    │
│ Delete Mail Item      ⌘D     │
│ Update Mail List      ⌘U     │
│ New Mail Folder...    ⌘N     │
│ ··························    │
│ Check POP Server      ⌘Y     │
│ ··························    │
│ Display Status               │
└─────────────────────────────┘
```

Send Mail brings up a dialog which allows you to specify the e-mail address of the recipient and subject of your mail. A window then appears which allows you to type your mail, attach enclosures, etc.

Reply is similar to the Send Mail command in that the same dialog appears, followed by the mail-entry window. However, the dialog is pre-filled with the subject and e-mail address of the sender of the mail to which you are replying. In addition, if the "autoquote when replying" option is checked, the mail to which you are replying is quoted in the text of your mail.

Forward also brings up the address dialog, allowing you to specify to whom the mail should be forwarded. However, you do not have an opportunity to edit the outgoing mail; the mail is forwarded to the recipient immediately.

Delete Mail Item deletes the currently selected mail (in a mail folder window) or the frontmost window (if you're reading a piece of mail). The operation of the delete is tailorable by the "delete only empty folders" and "warn when deleting mail" options.

Update Mail List causes a refresh of the current mail folder window. This may be useful if you move mail or mail folders around using the Finder, "behind LeeMail's back".

New Mail Folder creates a new folder in the current mail folder window.

Check POP Server connects to the POP server (specified in the Settings dialog) and retrieves any mail on the server for any of the LeeMail users.

Display Status Window toggles the display of the status window.
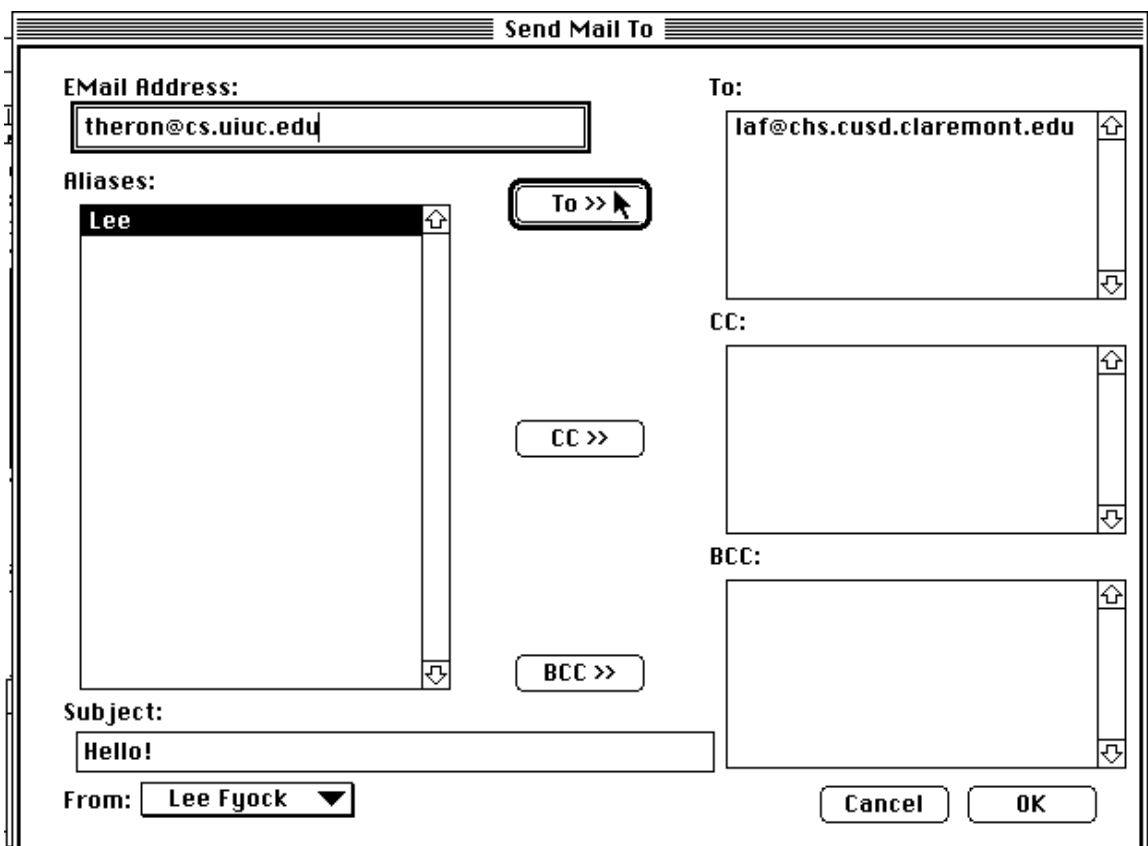
2.8 Reading Mail

To open a piece of mail for reading, follow the instructions under "General Operation" above. A window similar to the one shown below will appear.

If the mail you are reading contains enclosures and the "Show enclosure icons" option has been checked, then the bottom of the window may contain the icons representing the mail's enclosures, as shown in the following figure:

To view or open an enclosure, double-click the enclosure, or select the enclosure and then click the "View" button. LeeMail can directly view TEXT, PICT, sound and QuickTime movie enclosures. For other enclosures such as Microsoft Word documents or applications, LeeMail saves the enclosure to the desktop and requests that the Finder open the file.

2.9 Sending Mail

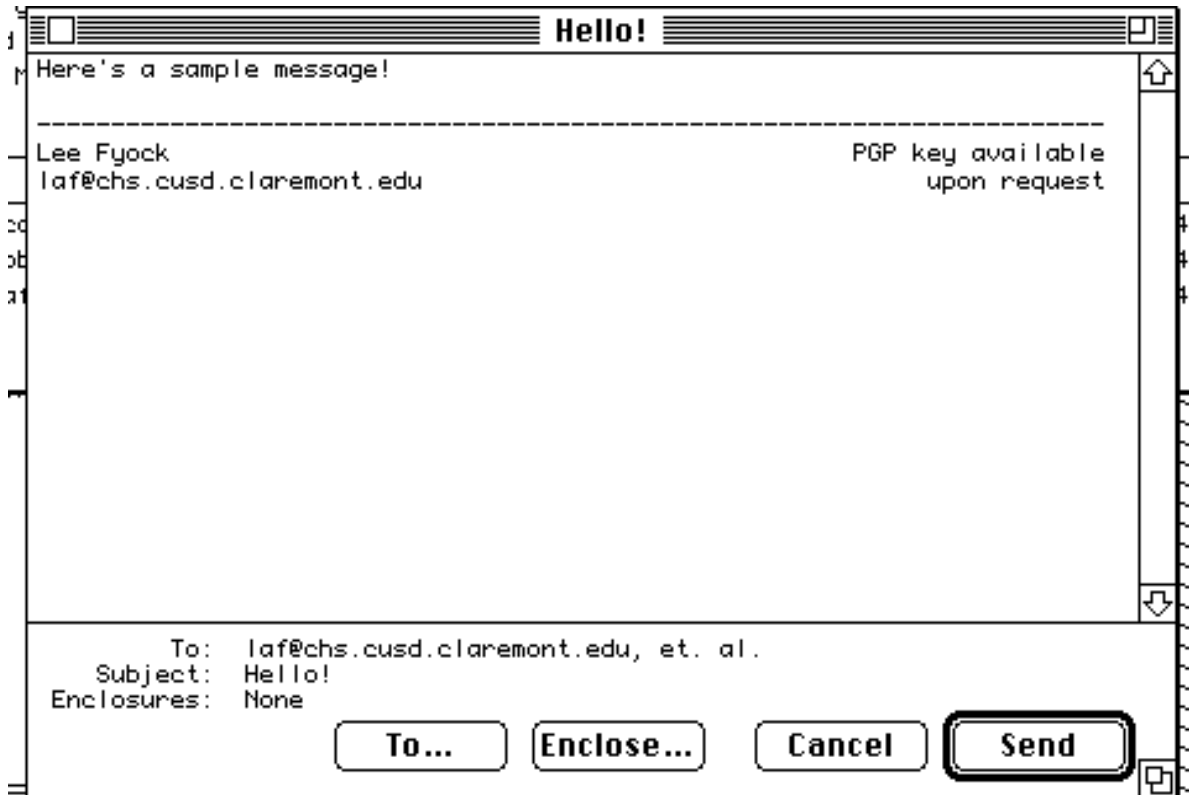To send mail, choose "Send Mail" from the Mail menu. The following dialog will appear:

Type the recipient's e-mail address in the "EMail address" text box and click the "To" button. Other recipients may be added as CCs or BCCs. Type the subject of the e-mail in the Subject box at the bottom of the dialog. Aliases you have defined using the "Alias" command under the Edit menu can be used to specify

recipients as well. The popup menu is used to select the user who is "sending" the mail. This is described further in Section 2.10, Multi-user Operation.

When you have completed the dialog, click "OK". A window will appear in which you can type the message of your text, similar to the one shown.

```
┌─────────────────────────── Hello! ───────────────────────────┐
│ Here's a sample message!                                    ⇧ │
│                                                               │
│ ─────────────────────────────────────────────────────────    │
│ Lee Fyock                              PGP key available      │
│ laf@chs.cusd.claremont.edu                upon request       │
│                                                               │
│                                                               │
│                                                               │
│                                                               │
│                                                            ⇩  │
│        To:    laf@chs.cusd.claremont.edu, et. al.            │
│   Subject:    Hello!                                          │
│ Enclosures:   None                                           │
│       ┌─────────┐ ┌───────────┐ ┌──────────┐ ┌─────────┐    │
│       │  To...  │ │ Enclose...│ │  Cancel  │ │  Send   │    │
│       └─────────┘ └───────────┘ └──────────┘ └─────────┘    │
└───────────────────────────────────────────────────────────────┘
```

Should you wish to change the recipients or subject of the mail, click the "To…" button. If you wish to attach documents, applications or other Mac files, click "Enclose". Click "Cancel" to discard the mail, or "OK" to send it.

2.10 Multi-user Operation

LeeMail has several features which lend themselves towards supporting several users on one Macintosh:
- Multiple user names, user IDs, reply addresses, and signatures
- Automatic filing of incoming mail to separate users' folders
- Checking the POP server for all users' mail

LeeMail defines one "main" user, whose information is defined in the Settings dialog: the user's name, ID and reply address are set in the "Mail Setup" portion of the Settings, while the user's signature is set in the "Outgoing Mail" portion.

Additional users may be defined in the Settings dialog, under "Incoming Mail Options" by checking the "automatically file incoming mail" option and using the "User Names" button to enter information into the dialog which appears. When this is done, the user names that have been defined appear in the "Send Mail To" dialog in a popup menu from which you may choose who the mail is from. If the "Check

POP server for mail" option is checked, then mail is retrieved from the POP server for each user ID.

3. Using LeeMail for Neat Stuff

• *FTP assist* Since my Mac is not directly on the Internet, I have to use another machine (a UNIX box) to ftp to sumex and other ftp sites. After I 'get' several binhexed files to the UNIX machine, I mail them to my Mac and, using LeeMail, very quickly extract the binhexed enclosures. For power users, you can do a get and mail in the same ftp command:

```
get coolgame.hqx "|mail me@mymac.domain.edu"
```

Or, you can mget a bunch of files to the UNIX account and then use something like:

```
foreach i (*.hqx)
mail me@mymac.domain.edu <$i
end
```

• *Mail Spoofing* Don't.

4. How to Pay For LeeMail

LeeMail is shareware. This means that you are free to download, copy and give your friends LeeMail. If you use LeeMail for more than 2 weeks, you are ethically obligated to pay for it. The shareware fee for LeeMail is $25, with discounts for groups of 10 or more. Without your support, I have little incentive to continue developing or enhancing LeeMail.

If you are upgrading from a previous version of LeeMail **for which you have paid the shareware fee,** the upgrade is free!

I prefer to keep administrative tasks to a minimum so that I can spend the maximum time in adding new features, etc. Therefore, if at all possible, please don't send invoices, requests for receipts, or requests for disks. I will certainly honor these when received, but again, these cut down on development time.

Please send shareware fees to

```
Lee Fyock
520 Boston Road
Billerica, MA  01821
```

Thanks!

5. Other Documents and Things of Interest

- RFC 821. This Request For Comments defines the Simple Mail Transfer Protocol (SMTP). RFCs in general can be highly interesting if you're interested in how the Internet works. These documents can be ftp'd from nic.ddn.mil and other sites.
- RFC 1225. This RFC defines the Post Office Protocol, version 3 (POP3).
- d e v e l o p Issue 6. This issue includes an article and a bunch of excellent TCP/IP code by Steve Falkenburg. d e v e l o p in general is an awesome journal published quarterly by Apple.

- The latest version of LeeMail is always available via anonymous ftp to chs.cusd.claremont.edu. This site also carries beta versions of LeeMail, and the latest French translation by Guy Brand.

6. Troubleshooting

There is one problem that I receive a lot of e-mail about. :-) There are a couple of others that also crop up. The usual question is:

- "Why can I send mail but not receive mail?"

The usual answer is that your Mac's hostname and IP address is not registered with your local nameserver. That means that when someone tries to send you mail, their mailer attempts to match your e-mail address (of which your domain name is a part) to your IP address in order to connect to your Mac to transfer the mail. The sender's mailer therefore connects to your local nameserver and asks for your Mac's IP address. If your nameserver doesn't have your Mac's name and IP address registered, the mailer can't send you the mail. The way to fix this is to ask your local system administrator (or someone else that knows what's going on :-) to register your Mac.

- "Sometimes the status window shows 'SMTP Handshaking', but nothing happens. What's going on?"

Usually, this is caused by a problem that some non-standard mailers have in communicating with LeeMail. This has (I believe) been fixed with version 2.0, but if you see this problem, drop me a note. Another possible cause is that the connection was being dropped before handshaking could complete. LeeMail 2.0.4 and later versions have much longer timeouts, so this should occur very infrequently, if at all.

- "Whenever I run LeeMail, it beeps and exits. What's going on?"

Your aliases are corrupted for some reason. Trash the "LeeMail Prefs" file, run LeeMail, fill in the LeeMail settings, and re-enter the aliases. Or, if you've used the LeeMail Alias Utility to archive a text copy of your aliases, then use the Utility to rebuild the aliases; you don't have to trash the Prefs file that way. I'll be adding more robust alias routines at a later date.

- "The POP stuff doesn't work. Why?"

The POP support in LeeMail 2.0.4 is somewhat minimal. I'll be adding more and better support in the next major release. If possible, use the "popper" POP3 server, which can be ftp'd from ftp.uu.net.

- "I'm using MacPPP 1.x and LeeMail crashes. Why?"

I'm not sure, but MacPPP 2.0 apparently fixes the problem. Upgrade.

- "I'm having trouble getting LeeMail to receive mail over SLIP connections. What should I do?"

Some SLIP drivers attempt to dial the modem and make the SLIP connection when a program tries to open a MacTCP connection. LeeMail only checks to see if the MacTCP driver is loaded when LeeMail is launched. If MacTCP isn't loaded,

LeeMail won't send or receive mail. By the time the SLIP driver has the connection open and MacTCP loaded, LeeMail has already decided that MacTCP isn't available. The best work around is to launch another MacTCP-using program to open the SLIP connection before you launch LeeMail. This won't be necessary in a future version of LeeMail.

7. Change History

This section is in smaller type to prevent it from eventually dominating the entire document as I add more features to LeeMail.

2.0 .3- 2.0.4 Version 2.0.4 is an interim bug-fix release to clean up a few remaining problems while I'm tooling away on 2.1. The changes include:

- Rewrote the routines that copy text to a window for reading mail, vastly increasing the speed.
- Changed my e-mail address to "laf@chs.cusd.claremont.edu" in the built-in alias for new users.
- Moved POP checking so that it won't interfere with transmitting mail.
- Changed the code to store additional users' POP passwords "encrypted".
- Increased the timeout for sending and receiving TCP data to 4 minutes (instead of 20 seconds).
- Made some small changes so that received mail windows correctly show the mail Subject even if the From address doesn't contain "@".
- Fixed a bug in the User Names dialog that didn't clear the password box when clicking to a user who has no password.
- Fixed a bug which caused a crash when sending mail to people with long user ids (such as "bill_the_cat_aka_henderson%some_weird_host_name.more_weird_stuff@host.edu").
- Fixed a small bug that caused mail list windows to be updated incorrectly when you deleted a piece of mail you were reading.
- Worked around some List Manager problems that caused trouble getting to the last item in a mail list window.

2.0 .2- 2.0.3 Version 2.0.3 was a yet another bug-fix release mostly to finally clean up the color-QD-on--68000-machines problem, and a problem opening connections on Quadras. A few minor features were also incorporated. The changes include:

- Use SysEnvirons instead of Gestalt (shudder) to check for color Quickdraw; should eliminate crashes for 68000 users
- "Encrypt" POP passwords -- you'll need to re-enter them. The encryption is very weak (XOR 0xFF), so don't let hackers near your Mac. :-)
- List routines massively rewritten to massively increase the number of items which can be displayed in a window (the number of pieces of mail which can be stored in a folder should now max out at ~4000, instead of ~400)
- Temporary memory used for almost all windows, so you should be able to open a ton of mail, assuming you have free memory in the system heap
- Tabs are now OK in mail headers…
- Think C 5.0.4 generated "odd" code for the CreateStream routine; I've changed the C code so that the compiled code is correct. 2.0.3 should work with no problem on Quadras…
- There is now some constraint checking on string lengths that you enter, so you shouldn't be able to corrupt your settings anymore.

2.0 .1- 2.0.2 Version 2.0.2 was a bug-fix release mostly to take care of a problem with System 7 non-Color Quickdraw. A few minor features were also incorporated. The changes include:

- Since Gestalt indicates the presence of Color Quickdraw even on non-Color Quickdraw systems, LeeMail 2.0.1 crashed on a call to NewCWindow for those machines. A work-around is in 2.0.2.
- Multi-line From lines in mail headers are now parsed correctly.
- POP mail is now not requested for a user if the user's password is blank.
- In previous versions, it was conceivable (though very unlikely) that a file fetched via POP could overwrite one that was fetched within the same second that had the same subject. :-) This is fixed in 2.0.2.
- The text editing routines now line-break correctly for lines that have spaces at the end, at the edge of the window.

- The text editor now handles command-arrow and shift-command-arrow combinations.
- A memory problem which left ~4K of RAM allocated each time the Settings dialog was used has been fixed.
- Various problems with displaying text enclosures have been fixed.
- A problem that caused a crash when the POP server could be found was fixed.
- No attempt is made to fetch POP mail if the MacTCP can't be opened at startup.
- More strings were placed in resources for ease of translation.

2.0 - 2.0.1   Version 2.0.1 was mainly a bug-fix release to clean up a few problems that had slid past the 2.0 testing. A few minor features were also incorporated. The changes include:

- LM 2.0 now runs under System 6. This problem was due to a small, embarassing coding error. :-) Thanks to Guy Brand!
- The "From" popup in the Send dialog now reflects the sender when the "To" button is clicked while composing mail.
- Command-clicking list items in mail windows now acts exactly like shift-clicking.
- Autoquoting does a much better job at wrapping text, particularly if the sender didn't put returns at the end of each line.
- LeeMail will now accept mail from mailers that use bare linefeeds instead of carriage return-linefeed pairs.
- Filing mail to a folder alias works correctly now.
- Deleting an alias now selects the first remaining alias.
- The timeout period was increased to allow for slow networks.
- All strings (or almost all) were placed in resources for ease of translation. More thanks to Guy Brand!
- POP error reporting is now done through the status window to facilitate unattended operation.