

AEMail

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Chapter 1

AEMail

1.1 AEMail.guide

AEMAIL (Amiga E-Mail)

Version 1.10

(BETA F)

by John F. Zacharias

A mail client designed to read, process, compose and send e-mail from an Amiga computer over the Internet.

PROGRAM PURPOSE

COPYRIGHTS

SYSTEM REQUIREMENTS

RESTRICTIONS

REGISTRATION

INSTALLATION

SETTING THE TIME ZONE

CONFIGURATION

STARTING AEMAIL

USING AEMAIL AS MAILTO AGENT

COMMAND ICON STRIP

AEMAIL MENUS

AEMAIL WINDOWS

AEMAIL FILES

BUG REPORTS & SUGGESTIONS

REVISION HISTORY

REFERENCES

IN CONCLUSION

1.2 COPYRIGHTS

AEMAIL (Amiga E-Mail) Version 1.10

AEMail is copyright (c) 1996 by John F. Zacharias, all rights reserved.

Permission is given to Beta Testers to test and evaluate the program in return for feedback on the use of the program and reporting of any bugs encountered.

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OR RESPONSIBILITY IS ASSUMED.

1.3 PROGRAM PURPOSE

What is AEMAIL?

AEMAIL is a mail client designed to read, process, compose and send e-mail from an Amiga computer over the Internet. It provides an easy to use graphical interface designed specifically for the Amiga. It connects to an internet internet server through

AmiTCP
or any TCP/IP stack compatible with AmiTCP.

This includes

TermiteTCP
and
Miami

. It uses the AmigaDOS editor, ed, or
any other editor of the user's choosing for developing email messages. No other external programs or modules are required. The POP3 and SMTP protocols are built into the program.

The current version of AEMAIL supports attachments following the MIME (Multipurpose Internet Mail Extension) outlined in RFC 1341, 1521, 1524 (Mailcap files), and 1806 as well as UUENCODED attached files. Not all of the features of MIME headers are fully supported and exceptions will be noted in this documentation.

AEMail can also be used as a mailto: agent in WWW browsers, such as

Voyager
and
AWeb

, which allow the user to specify such an agent for composing and sending email.

1.4 SYSTEM REQUIREMENTS

System Requirements

This program can run on any Amiga Operating System 2.1 and above.

This program requires

AmiTCP

or a TCP/IP stack compatible with AmiTCP. It

has been tested with the 4.0 Demo Version of AmiTCP, but will possibly run on earlier versions at level 2.0 or greater. It also has been tested under

TermiteTCP

and

Miami

which use a TCP/IP stack that is compatible with

AmiTCP.

Other TCP/IP software may or may not be compatible with AmiTCP. If the software uses a socket library (bsdsocket.library) with calls that are compatible with AmiTCP, it possibly will work.

If you wish to display MIME attachments from within AEMail, you will also need a Mailcap file. Specifications for how to set up a mailcap file are given under

AEMAIL FILES: mailcap

. It is possible to display attachments with either

AmigaDos 2.x or 3.x. Datatypes are not required for this display.

A

sample mailcap

file is also provided in the archive. This sample mailcap

file can be used without modification on any system running under AmigaDos 3.0 or later since it uses MultiView (which uses datatypes) as the display agent. If you are using a version of AmigaDos before 3.0, you will have to modify the mailcap file to specify your own favorite display program for specific Content Type/Subtypes.

1.5 RESTRICTIONS

Restrictions

Only one version of AEMail can be running at a time. If you are using AEMail as a

mailto:

mail agent in a browser, you can not have AEMail running when you invoke your browser if you expect to send any email from your browser.

AEMail will be automatically loaded by the browser when you click on a mailto: link.

While AEMAIL appears to work fine with a standard configured AMIGA, there are some possible problems with system addons that do not behave correctly with AEMAIL. One known problem is with the Click-To-Front commodity as follows:

If you have the Click-To-Front commodity active with a QUALIFIER Tool type equal to NONE when you execute AEMAIL, the folder strip will disappear the first time you double-click on any part of the

AEMAIL screen outside the folder strip area. The reason for this is that the folder strip window overlays the main AEMAIL window and when you double-click outside this area, the folder strip window will be pushed to the back. Presently, the solution to the problem is to change the QUALIFIER Tool Type to something other than NONE or to deactivate the Click-To-Front commodity BEFORE executing AEMAIL.

Other system configurations may also cause problems with AEMAIL. If you encounter one of these, please send me e-mail describing the problem and what add-on you were using. If it is a public domain program, it would be helpful if you included the program as an attached archive to your message. (see

composing a message
).

You can send me e-mail by using the
Address Book
Nickname AEMAIL.

(see
Bug Reports and Suggestions
)

1.6 REGISTRATION

AEMail Registration

Currently AEMail is freeware. However, later versions will become shareware. Please keep in mind that AEMail is still in Beta Release and bugs are bound to show up. My intent in placing AEMail on AmiNet is to get it into as many hands as possible using different Internet Service Provider (ISP) setups to help feret out these bugs and to make AEMail work in all circumstances if at all possible.

I do ask, however, that, in return for the use of this product, you inform me of any suggestions you have and of any bugs that you encounter. You can do that by sending e-mail to me using the Nickname AEMAIL which can be found in your

Address Book
when you first load AEMail. (see also

Bug Reports and Suggestions
)

Registration of AEMail is automatic. The first time that you use AEMail to send a message to someone, a special registration message will be sent to me at jzachar@calweb.com. This will give me the opportunity to inform all users of updates to AEMail by e-mail.

Please note that a new registration message will be sent when you upgrade to a new version of AEMail. This lets me know which version you are using. Some of the data in future registration messages may also change to help give me feedback on how AEMail is being used and what setup you are using.

1.7 INSTALLATION

INSTALLATION OF AEMail

PLEASE NOTE: Your AEMail installation disk must NOT be write protected when you install AEMail. It will be written to during the install.

Installer and Installer project icon
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An installation script has been provided for the installation of AEMail. To install AEMail simply double click on the Install_AEMail icon. The install script provides three user levels that the user can choose:

Novice
Intermediate
Expert

The action that takes place at the Novice level is slightly different depending on whether

AmiTCP
has been installed or not. The installation script determines if AmiTCP is installed by checking for an assignment to AmiTCP:. This AmiTCP: assignment was automatically created when you installed AmiTCP.

The AmiTCP: assignment determines where the installation script will place the AEMail executable. For AmiTCP the executable is placed in the AmiTCP:bin drawer. If it is not present, the placement of the executable defaults to an AEMail drawer (created by the script if it does not already exist) on the largest partition on your hard drive.

If you wish to control where AEMail will be placed, you will need to execute the Install script at the Expert user level.

The reason that AEMail is placed in the AmiTCP:bin drawer is that the assumption is made that you are using AmiTCP. The startnet and stopnet scripts should be in the same directory that contains AEMail if they are to work without modification.

If you select the Novice user level you will not be able to give any input for the install. The following actions will automatically be taken:

The AEMail executable file will be placed in AmiTCP:bin or, if AmiTCP was not installed, on the largest partition on your hard drive.
Note: No special directory will be created if AmiTCP:bin is present, otherwise a directory of AEMail will be created for

containing the AEMail executable. When the installation script terminates it will tell you where it placed the AEMail executable.

Your AEMail mail directory will normally be a directory called AEMail_Mail in AmiTCP: or, if AmiTCP: was not present, in the AEMAIL directory. The AEMail mail directory will be assigned to AEMAIL:. If an AEMAIL: assignment already exists, that directory will be used as the mail directory except that it will be renamed to AEMail_Mail if it had been named something else. This operation is automatic and makes updating the AEMail program easy without disturbing your existing mail files.

No configuration will be performed. However, certain default configuration values will be provided (see below).

No documentation files will be copied.

If you are running under AmigaDos 3.0 or greater, the supplied mailcap file will be copied to the AEMail_Mail directory. No mailcap file will be copied if you are using AmigaDos 2.1.

An AEMAIL: assign statement will automatically be placed in your S:User-Startup file.

If you select the Intermediate user level you will also be able to provide configuration data that will be stored in the

Tool Types
parameters of

the AEMAIL icon. Further, if the AEMAIL: assignment existed at the start of the installation that assignment will be used. However, if the mail directory had been called something else, you will be asked if you want to rename it to AEMail_Mail. If you select NO, the directory will not be renamed; however, a new AEMail_Mail directory will be created in the same parent directory and used for the AEMAIL: assignment.

In addition to what is available for the Intermediate user, the Expert user will be able to select what directories will be used and will be able to copy the documentation files to a directory of his/her choice. The Expert user will also be able to select an alternate location for a pre-existing mailcap file and, if running under AmigaDos 2.1, will be able to build their own mailcap file.

Certain configuration parameters must be provided before AEMail will run. These configuration parameters are provided either by

Tool Types
in the

AEMail icon or through a special Configuration Screen when you first run

AEMail and saved in an aemail.cnfg file in the S: directory.

The installation script will try to automatically configure certain items to

default values. These include the switch for deleting mail from your POP Server once it has been transferred to your Amiga and the switch for stripping duplicate messages. The edit call will default to c:ed and will open the editor on the Workbench. Also, if you installed and are running

TermiteTCP

, the installation script will obtain your UserID and Domain Name from the ttcp-email-address environmental variable. This environmental variable is only available when you run TermiteTCP (you do not have to connect).

The installation script at the Intermediate and Expert user levels will allow you to provide additional configuration parameters as Tool Types in your AEMail icon or to change the default ones. However, if you are updating from a prior version you may already have an aemail.cnfg file in your S: directory which will override the Tool Types. If the S:aemail.cnfg file is present, you will not be asked to provide this configuration data at installation time. In this case, if you wish to change the information in the S:aemail.cnfg file you will have to do so through the

Configuration menu
item.

If these parameters are not provided by Tool Types (through the installation script) or by an existing aemail.cnfg file, the Configuration screen will be displayed upon the initial startup of AEMail. You can not proceed beyond this configuration screen until certain required configuration parameters are provided. The absolute minimum configuration parameters that must be provided are:

UserID
Password
Domain Name
Edit Call
Mail Directory (either through an ASSIGN (see below) or by a
parameter)

A POP Server name and a SMTP Server name must also be provided. However, if they are missing AND, if Domain Name has been specified, default values will be assigned to these items.

If you have installed and ran TermiteTCP before you installed AEMail, the only configuration parameter you will have to provide is your password. For AmiTCP or Miami users, you will also need to provide your UserID and Domain Name.

If you are using

AmiTCP

, it is recommended that you place AEMail in the same directory that contains your AmiTCP startnet and stopnet scripts (usually AmiTCP:bin) although this is not an absolute requirement. If the directory containing your StartNet or StopNet scripts is NOT the AmiTCP:bin directory or the scripts have names different from startnet or stopnet, you will have to add the

STARTNET
and

STOPNET
tool types

to your AEMail icon. You can do that with the installation script at the Expert user level.

If you are using

TermiteTCP
or
Miami

, there are no Start Net or Stop Net

scripts. With Miami it is possible to construct a StartNet and StopNet script since Miami has a built in AREXX port. Such a script, however, is not standard with either Miami or AEMail.

The installation script will automatically create a directory for your email storage (mail and configuration files) and place an ASSIGN statement in your S:User-Startup file as follows:

```
ASSIGN AEMAIL: your-mail-directory-path
```

The default directory that is created is AmiTCP:AEMail_Mail (if the AmiTCP: assign exists) or a directory called AEMail_Mail in the AEMail directory that has been created. If the AEMail_Mail directory already exists it will not be created nor will the existing mail or Configuration files in the directory be disturbed.

If you want to place the AEMail_Mail directory some place else you will have to specify the Expert user level when you perform the installation.

The mail directory can start out empty. The AEMail program will generate any necessary configuration and support files required. The AEMail_Mail directory can be anywhere on any one of your hard drive partitions (or on a floppy or other read/writable media); it does not have to be in the AmiTCP: directory.

As stated above, you will need a

mailcap
file if you want to display MIME

mail attachments. A sample mailcap file is provided on the AEMail program disk which uses MultiView to display audio, images, and video content types provided that you have the appropriate datatypes loaded into your system. This, of course, requires AmigaDos 3.0 or higher. If you are using AmigaDos 2.1, the mailcap file needs to be modified to reflect the display programs that you want. The installation script at the Expert level will help you do this.

If you are running under AmigaDos 3.0 or higher, the installation script will automatically move the

supplied mailcap
file to AEMAIL: unless

you specified a different location for a pre-existing mailcap file.

A description of the mailcap file format is given in

AEMAIL FILES: mailcap

.

AEMail gets the current time zone from either the locale.prefs file that is part

of AmigaDos or the tz environmental variable. See
Handling of Time Zones
for
further information on this.

When the installation script terminates it will store the directory in which it placed AEMail in the Environmental variable AEMail_dir. This facilitates updating to future releases of AEMail.

1.8 TIME ZONES

Setting the Time Zone for AEMail

At this time AEMail will only handle time zones in full hour increments. That is because AEMail uses either the tz environmental variable or the locale.prefs file that is part of AmigaDos to determine your local time zone. Both of these methods only allow for full hour time zone offsets. A future version of AEMail will give you an option in the
Configuration screen
to set

your local time zone. At that time, half hour time zones will be handled.

Currently AEMail first looks for the environmental variable tz. The format for tz should be aaabbbccc where aaa is the abbreviation for local standard time, bbb is the offset in hours from GMT (-11 to 12) which is SUBTRACTED from GMT to get the local standard time. ccc is the abbreviation for local daylight savings time. If the time zone has daylight savings time this should be present even if daylight savings time is not currently in effect (contrary to the specification for Tz for the SAS-C compiler). AEMail automatically determines when DST is in effect.

If the environmental variable tz is not present, the system then attempts to get the time zone offset from the locale.prefs file. Only the time zone offset is present in this file. The abbreviations for local standard time and daylight savings time are obtained from a table that is by no means complete. Only the time zone abbreviations for the United States and Canada are contained in this table, so the environmental variable is preferred.

if neither a tz environmental variable or a locale.prefs file is present, the system defaults to CST with an offset of 6.

NOTE: the standard header in an email message has the time zone offset sign reversed from that of the locale.prefs and tz environmental variable. AEMail automatically makes this reversal, so the offset should be set to positive for US time zones. They will appear as negative in the Date: header.

You can set the tz environmental variable by using the SETENV AmigaDos Command. This must be done from the shell. The syntax to use is as follows:

```
SETENV tz aaabbbccc
```

aaa, your local time zone abbreviation, must always be present. If you don't know your abbreviation, use xxx. If AEMail sees xxx it will assume that no

abbreviation is present and it will be left off the Date: header

bbb is the time offset in hours from GMT. Plus indicates that you are west of GMT and minus indicates that you are east of GMT. Acceptable values range from -12 to 24. 0 indicates you are at GMT.

If your time zone observes daylight savings time, ccc is the abbreviation to use for daylight savings time. If ccc is not present, no adjustment will be made during the times of the year that daylight savings time is observed.

The result of the SETENV command is only in effect while your computer is on. If you want to make the tz environmental variable always present enter the following AmigaDOS command after the SETENV command:

```
COPY ENV:tz ENVARC:tz
```

Using the tz environmental variable gives you more control over which abbreviations will be used for your time zone. However, the locale.prefs file may be more useful for those that prefer the "point and click" method of doing things. To set the correct time zone for locale.prefs, enter the Locale editor in your Prefs drawer. You will see a time zone map with which you can move the white strip indicating the time zone on the map. Click either to the left or right of the strip to move the strip. The correct time zone offset for standard time will be shown at the top of the map.

Since the locale.prefs does not have any abbreviations, AEMail makes certain assumptions as to what the abbreviation should be. These assumptions are as follows:

Time Zone Name	Standard Time	DST	-----Time Zone----- (in "tz")	(in email Date:)
Greewich Mean Time	GMT	BST	0	+0000
Atlantic Time	AST	ADT	4	-0400
Eastern Time (US)	EST	EDT	5	-0500
Central Time (US)	CST	CDT	6	-0600
Mountain Time (US)	MST	MDT	7	-0700
Pacific Time (US)	PST	PDT	8	-0800
Yukon Time	YST	YDT	9	-0900
Hawaiian Time	HST	---	10	-1000
International Date Line	IDL	---	12	-1200

--- indicates this time zone does not observe DST

If you want to use a different abbreviation or control whether DST is used or not, you should use the tz environmental variable.

1.9 CONFIGURATION

Configuring AEMail

The configuration of AEMail is provided by parameters presented as
Tool Types
in the AEMail icon or by a
Configuration screen
that can be called up from
within AEMAIL using the
Configuration
menu item under the
Project
menu.

All configuration items provided by Tool Types can also be provided by the Configuration screen selected by the Configuration menu item. In addition, certain configuration parameters can ONLY be provided by the Configuration screen.

Currently, setting the time zone that you are in is done outside the AEMail environment. To set the time zone for AEMail see
SETTING THE TIME ZONE
.

If you are running AEMail from the shell or as a
mailto
agent, it must be
either pre-configured (through the @{ "S:aemail.cnfg file" link AEM-9110}), or you ←
will have to
use the Configuration screen for the configuration.

The first thing AEMail does when it is activated is check to see that certain configuration information has been provided either through Tool Types or was contained in the S:aemail.cnfg file. The necessary items are:

UserID

Password

Domain Name

Edit Call

If any of these items are missing, the following requester will be ←
displayed:

The following Configuration items are empty

list of empty items

They are required items!

The

Pop Server call

and the

SMTP Server call

will also be included in

this list if the Domain Name was missing.

Also, the Edit Call item, if it is missing, will default to:

```
C:ed %s
```

with the editor opening on the Workbench. The only way the Edit Call can appear in the list is if the

```
Required Parameters
section of the
```

```
Configuration screen
had been entered and the EditCall field cleared.
```

If this requester is displayed, you will be given the following choices:

```
[Configure AEMAIL now]
```

```
[Cancel AEMAIL]
```

If you were to click on [Cancel AEMAIL], AEMail will terminate. You can not proceed any further until you have entered these items with the Configure screen or by providing them as Tool Types.

Clicking on the [Configure AEMAIL now] will bring up the
Configuration screen

.

1.10 CONFIGURATION: Tool Types

Configuring AEMail with Tool Types

Tool Types have been provided to initially provide certain Configuration information when AEMail is first activated without the need to build the Configuration information through the
Configuration screen

.

To modify or delete any specific Tool Type, select the AEMail icon and then select the Information item from the Workbench menu. You will have to select the appropriate Tool Type and modify it when it appears in the string gadget below the Tool Type list.

The current Tool Types utilized by the program are:

```
INTERLACE=YES
```

```
MAIL_DIR=
```

```
MAILCAP_DIR=
```

```
USERID=
```

```
DOMAIN=
```

```
REALNAME=  
PASSWRD=  
POP_SERVER=  
SMTP_SERVER=  
EDITOR=  
TCPLOG=  
DELETEMAIL=YES  
FULLHEADER=YES  
STRIPDUPS=YES  
HDRINREPLY=YES  
STARTNET=  
STOPNET=  
AUTOCONNECT=YES
```

1.11 CONFIGURATION: Tool Types/INTERLACE

```
INTERLACE=YES
```

Opens the AEMail Public Screen (AEMAIL-1) in hires, interlace mode. If this tool type is omitted, the screen will be opened as a hires, non-interlaced screen.

You can actually have more control over the Screen Mode you desire by selecting the [Set Screen Mode] button in the AEMAIL

```
Configuration: General Parameters  
configuration display.
```

Selecting a Screen Mode from the Configuration display precludes the use of this Tool Type.

1.12 CONFIGURATION: Tool Types/TCPLIB

```
TCPLIB=name_of_socket_Library
```

AEMail can utilize TermiteTCP from Oregon Research besides AmiTCP. This Tool Type allows you to specify that the TermiteTCP socket library is being used. You should specify tsocket.library here if you are using

TermiteTCP. The AmiTCP socket library is `bsdsocket.library`. If this Tool Type is missing the socket library that will be used is `bsdsocket.library` as required by AmiTCP.

You can specify any other library with this Tool Type provided the library calls are compatible with the `bsdsocket.library`.

THIS PARAMETER CAN ONLY BE PROVIDED WITH TOOL TYPES AND CAN NOT BE PROVIDED BY THE CONFIGURATION SCREEN.

1.13 CONFIGURATION: Tool Types/MAIL_DIR

`MAIL_DIR=directory-path`

If you do not place the AEMAIL ASSIGN statement in your S:User-Startup, you can use this Tool Type to assign your mail directory. This can also be provided with the

Required Parameters
section of the

Configuration screen
. (DEFAULTS TO AEMAIL:)

1.14 CONFIGURATION: Tool Types/MAILCAP_DIR

`MAILCAP_DIR=directory-path`

Your mailcap file can reside in any directory you want. Use this Tool Type to assign the mailcap directory path. If this parameter is missing, the `MAIL_DIR` path will be used as the mailcap directory path.

The mailcap file must be called "mailcap". Since the mailcap file

follows a standard format dictated by the internet (RFC 1524), ↔
you can use

the same mailcap file used by another process. That is the purpose of this Tool Type.

This parameter can also be provided by the
Default Path Parameters
section of the
Configuration Screen
(DEFAULTS TO AEMAIL:).

1.15 CONFIGURATION: Tool Types/USERID

USERID=UserId

Enter your UserId for signing onto your Internet provider. Example: my UserId is "jzachar" so I would enter

USERID=jzachar

for this Tool Type. THIS IS A REQUIRED PARAMETER, but it can be provided with the

Required Parameters
section of the
Configuration Screen

.

1.16 CONFIGURATION: Tool Types/DOMAIN

DOMAIN=Domain_Name

Enter the Domain name for your Internet provider. Example: my Internet provider's domain name is "calweb.com" so I would enter

DOMAIN=calweb.com

for this Tool Type. THIS IS A REQUIRED PARAMETER, but it can be provided with the

Required Parameters
section of the
Configuration Screen

.

1.17 CONFIGURATION: Tool Types/REALNAME

REALNAME=your_real_name

Enter your full name. Example:

REALNAME=John Zacharias

This is an OPTIONAL parameter, but if it is omitted your full name will NOT be provided in the FROM: address of any messages you send unless you add it yourself when you

compose a message
. This parameter can also be provided

with the

Required Parameters
section of the
Configuration Screen

.

1.18 CONFIGURATION: Tool Types/PASSWRD

```
PASSWRD=your_password
```

Enter the password required for signing onto your Internet provider. THIS IS A REQUIRED PARAMETER, but it can be provided with the

```
Required Parameters
section of the
Configuration Screen
```

SPECIAL NOTE: if the password is provided by a Tool Type it can be read by anyone that performs an Information on the AEMail icon. If you provide the password through the Configuration screen, it can not be seen.

1.19 CONFIGURATION: Tool Types/POP_SERVER

```
POP_SERVER=your_POP_host
```

Enter the name of your POP host. Normally this is pop. prepended to your Domain name. As an example, mine is "pop.calweb.com" so I would enter

```
POP_SERVER=pop.calweb.com
```

If this parameter is omitted, pop.domain-name will be generated as your POP_SERVER name provided a domain name has been specified. Unless your POP server is different it is recommended that you do not include this Tool Type.

This parameter can also be provided by the
Required Parameters
section of
the
Configuration Screen.

1.20 CONFIGURATION: Tool Types/SMTP_SERVER

```
SMTP_SERVER=your_SMTP_host
```

Enter the name of your SMTP host. Normally this is smtp. prepended to your Domain name. As an example, mine is "smtp.calweb.com" so I would enter

```
SMTP_SERVER=smtp.calweb.com
```

If this parameter is omitted, smtp.domain-name will be generated as your SMTP_SERVER name provided a domain name has been specified. Unless your SMTP server is different it is recommended that you do not include this Tool Type.

This parameter can also be provided by the
Required Parameters
section of
the
Configuration Screen.

1.21 CONFIGURATION: Tool Types/EDITOR

```
EDITOR=call_line_for_your_editor
```

Enter the full call parameter required to activate your editor from the shell. Use %s where you would place the file name. As an example, I use CED as my editor and my call line is:

```
EDITOR=Sys:Utilities/ED %s -sticky
```

Your editor should be called so that it remains in control while AEMail is utilizing it. That is the purpose of the -sticky in the call above. If you are using CED, never call CED directly, but use the activator program ED with the -sticky option. -sticky will not work with a direct call to CED. The CED activator ED has the same name as the AmigaDos ED, but is usually contained in the SYS/Utilities drawer rather than the C: drawer.

If your editor opens on the Workbench screen rather than a screen of its own, you should prepend WB; in front of your editor call. As an example, the standard AmigaDos ED program always opens on the Workbench screen. An example edit call for the Amiga ED would be as follows:

```
EDITOR=WB;c:ed %s WINDOW raw:0/0/640/400/AEMailCompose
```

The window statement in the above call is used to create a full screen window with an interlaced display.

If you are not using an interlaced display you can remove the WINDOW parameter or change it to raw:0/0/640/200/AEMailCompose. You can, of course, make other changes to the window parameters if you desire.

If you are using Amiga ED you should probably also remove or rename the ED-Startup file in the S: directory so that you will have a full set of ED menus.

If this Tool Type is missing, the following call is the default editor call:

```
EDITOR=WB;c:ed %s
```

This defaults to using the Amiga Ed program for your editor.

The specification for your editor call can also be provided by the

```
Required Parameters  
section of the  
Configuration Screen  
. A
```

convenient check mark item is provided in the Configuration Screen to open the editor on the Workbench screen.

1.22 CONFIGURATION: Tool Types/TCPLOG

```
TCPLOG=name_of_log_file
```

Enter the full path (including file name) of your
TCP logging file

. If
this parameter is omitted, no logging takes place. An example of the Tool
Type which I use, is:

```
TCPLOG=AEMAIL:tcplog
```

When TCP logging occurs, all sends and receives over the TCP/IP connection are recorded to this file. Each time an AEMAIL session is started, data is appended to this file. As a result this file can become quite large. IT IS THE USER'S RESPONSIBILITY TO PERIODICALLY PURGE (DELETE) THIS FILE.

NOTE: When there is a need to report a problem, especially with your TCP/IP connection, this parameter should be set to a valid file and that file provided with any feedback on the program (see
Bug Reports & Suggestions
).

The file can be sent as an attachment to any message that you send to AEMAIL. You probably should compress it with an LHA archiving program before attaching the file.

I have also discovered that this file comes in handy when analysing problems with your Internet provider since it time stamps all entries to the nearest second.

This parameter can also be provided by the
Default Path Parameters
section of the
Configuration Screen.

1.23 CONFIGURATION: Tool Types/DELETEMAIL

```
DELETEMAIL=YES
```

This Tool Type sets the initial value of the
Delete Host Mail
menu item

under the

```
RETRIEVE MSGS menu
```

. If this Tool Type is entered, the Delete
Host Mail menu item will be initially checked.

This parameter can also be set by the
 General Parameters
 section of the

 Configuration Screen
 or the DELETEMAIL flag can be set with the Delete
 Host Mail menu item and its state can be saved in the
 configuration file
 by selecting
 Save Settings
 under the
 Project menu
 .

1.24 CONFIGURATION: Tool Types/FULLHEADER

FULLHEADER=YES

This Tool Type sets the initial value of the
 Display Full Header
 menu
 item under the
 MESSAGES menu
 . If this Tool Type is entered, the
 Display Full Header menu item will be initially checked.

This parameter can also be set by the
 General Parameters
 section of the

 Configuration Screen
 or the FULLHEADER flag can be set with the Display
 Full Header menu item and its state can be saved in the
 configuration file
 by selecting
 Save Settings
 under the
 Project menu
 .

1.25 CONFIGURATION: Tool Types/STRIPDUPS

STRIPDUPS=YES

This Tool Type sets the initial value of the
 Excl Dup Msgs
 menu item
 under the
 RETRIEVE MSGS menu
 . If this Tool Type is entered, the Excl

Dup Msgs menu item will be initially checked.

This parameter can also be set by the
General Parameters
section of the

Configuration Screen

or the STRIPDUPS flag can be set with the Excl

Dup Msgs menu item and its state can be saved in the
configuration file

by selecting

Save Settings

under the

Project menu

.

1.26 CONFIGURATION: Tool Types/HDRINREPLY

HDRINREPLY=YES

This Tool Type sets the initial value of the
Incl Hdr in Resp
menu item

under the

MESSAGES menu

. If this Tool Type is entered, the

Incl Hdr in Resp menu item will be initially checked.

This parameter can also be set by the
General Parameters
section of the

Configuration Screen

or the HDRINREPLY flag can be set with the Incl

Hdr in Resp menu item and its state can be saved in the
configuration file

by selecting

Save Settings

under the

Project menu

.

1.27 CONFIGURATION: Tool Types/STARTNET

STARTNET=call_line_for_your_startnet_script

This Tool Type is used to specify the call line for you script that
starts up your TCP/IP stack. If you are using

AmiTCP

, this is normally the file startnet in the AMITCP:bin directory. You only have to use this tool type for AmiTCP if your AmiTCP startup script is located somewhere else or is named differently.

A full path name to that script must be entered. If you do not use this parameter, it defaults to Amitcp:bin/startnet.

Since AmiTCP Demo Version 4.0 puts up a requester on the Workbench screen that must be responded to, AEMail will automatically switch to the Workbench screen before calling this script.

This parameter can also be set by the
TCP/IP Parameters
section of the

Configuration Screen

. The Configuration screen will also allow you to set whether or not the system switches to the Workbench screen when the Start Net script is executed.

Note: Check your startnet script to be sure that full path names are specified. Since this script may not be executed from the Amitcp:bin directory (unless AEMail is executed from there), you should verify that Amitcp:bin/ is appended to all calls within the script. Pay particular attention to the online call - it should be AmiTCP:bin/online. You may also have to move the AREXX commands (such as WaitForPort and RX) to the C: directory. The installation script will automatically do this for you.

If you are using a TCP/IP stack other than AmiTCP (such as
TermiteTCP
)

and there is no script to make connection to your Internet provider, this Tool Type should not be used. Further, you should enter the Configuration screen, TCP/IP parameters section when you first activate AEMail and clear the Start Net script item. Once this is done, if you select the

Start Net menu
item, the system will automatically
iconify

AEMail and present the Workbench screen. You can then connect ↔
using the
method prescribed by your TCP/IP stack. When you un-iconify AEMail, AEMail will immediately check to see if any mail is present on your POP server.

1.28 CONFIGURATION: Tool Types/STOPNET

STOPNET=call_line_for_your_stopnet_script

This Tool Type is used to specify the call line for the script that terminates your TCP/IP stack. If you are using

AmiTCP
 , this is normally
 the file stopnet in the AMITCP:bin directory. You only have to use
 this tool type for AmiTCP if your AmiTCP stopnet script is located
 somewhere else or is named differently. A full path name to that script
 must be entered.

If you do not use this parameter, it defaults to Amitcp:bin/stopnet. Since
 there is no requirement that the stopnet script be executed from the
 Workbench screen, the AEMAIL screen is left on while the stopnet
 script is being executed. This may leave a window on your screen when you
 terminate AEMail, however. This window has a close gadget so you can get
 rid of it. You can also avoid this window by making sure that you have
 routed all output to >NIL in the Start Net script.

This parameter can also be set by the
 TCP/IP Parameters
 section of the

Configuration Screen
 . The Configuration screen will also allow you to set
 whether or not the system switches to the Workbench screen when the Stop Net
 script is executed.

Note: Check your stopnet script to be sure that full path names are
 specified. Since this script may not be executed from the Amitcp:bin
 directory (unless AEMail is executed from there), you should verify that
 Amitcp:bin/ is appended to all calls within the script. Pay particular
 attention to the offline call - it should be AmitTCP:bin/offline.
 You may also have to move the AREXX commands (such as WaitForPort and
 RX) to the C: directory. The installation script will automatically
 do this for you.

If you are using a TCP/IP stack other than AmiTCP (such as
 TermiteTCP
)
 and there is no script to disconnect from your Internet provider, this
 Tool Type should not be used. Further, you should enter the

Configuration screen
 ,
 TCP/IP parameters
 section when you first activate
 AEMail and clear the Stop Net script item. Once this is done, if you
 select the
 Stop Net menu
 item, the system will automatically
 iconify
 AEMail and present the Workbench screen. You can then ↔
 disconnect using
 the method prescribed by your TCP/IP stack.

1.29 CONFIGURATION: Tool Types/AUTOCONNECT

AUTOCONNECT=YES

When AEMail is first activated it attempts to determine if you are connected to your Internet provider. If you are not and this Tool Type is present, AEMail will automatically run your

```
StartNet
script. (see

Starting AEMAIL
.)
```

Before activating this Tool Type, you should check to see if AEMail can activate your TCP/IP stack properly using the

```
Start Net
menu item in the
```

```
TCP/IP menu
```

. If there are any problems with your Start Net activation they will show up at this time rather than constantly every time you try to activate AEMail.

WARNING: You should not use this Tool Type if a StartNet script is not present for your TCP/IP stack. You should activate your TCP/IP stack manually before you start AEMail.

You can also set the AUTOCONNECT flag with the
TCP/IP Parameters
section

of the
Configuration Screen

.

1.30 CONFIGURATION: Configuration Screen

Configuration Screen

The Configuration screen which is displayed on the Workbench Screen when either you click on the [Configure AEMAIL now] button or when you select the

```
Configuration
menu item under the
Project menu
. The Configuration screen
```

is divided into two parts. The top portion will have one of these four displays:

```
AEMAIL Configuration: Required Parameters
AEMAIL Configuration: TCP/IP Parameters
AEMAIL Configuration: Default Path Parameters
AEMAIL Configuration: General Parameters
```

Which portion is currently being displayed is indicated in the title

bar at the top of the screen.

At the bottom of the Configuration screen are two rows of buttons as follows:

```
[REQUIRED]      [TCP/IP]      [PATHS]      [GENERAL]
[USE]           [SAVE]           [CANCEL]
```

Clicking on the

```
    REQUIRED
    ,
    TCP/IP
    ,
    PATHS
    , or
    GENERAL
    buttons
```

will bring up the appropriate configuration display in the top portion of the screen.

Clicking on the [USE], [SAVE], or [CANCEL] buttons will perform the requested action and return you to the main AEMail screen

. If you want the configuration information to apply only to this AEMail session select [USE]. If you want to make the configuration permanent, select [SAVE]. This will cause a new

```
    aemail.cnfg
    file to be written and will also signal that the
aemail.cnfg file is to take precedence over the Tool Types the next time AEMail
is loaded.
```

[CANCEL] will abort the operation without making any changes to the configuration information.

The [USE], [SAVE], or [CANCEL] buttons are active no matter which configuration display is currently active. When the Configuration screen is first activated, the

```
    Required Parameters
    display will be shown.
```

Before exiting from the Configuration Screen with [USE] or [SAVE], the required configuration parameters must be present. If not, the following requester will be displayed:

```
    The following Configuration items are empty
```

```
    list of empty items
```

```
    They are required items!
```

This is the same requester that is displayed when AEMail is started without

these parameters being provided. Your choices with this requester are:

[Reenter Configuration Data] [Cancel Configuration Request]

Clicking on the [Cancel Configuration Request] will act the same as if you clicked on [CANCEL] in the main configuration screen. In this event your "old" configuration data will still be active and if you did not have the required parameters in the first place, you will not be able to do anything but enter the data or exit from AEMail.

The one exception to the "old" configuration remaining the same is with the

.headers
file. This is always updated no matter which button is pressed.

1.31 CONFIGURATION: Configuration Screen/Required Parameters

Required Parameters

The Required Parameters display, which will be displayed on the top portion of the

Configuration screen
, looks like the following:

```
=====
AEMAIL Configuration: Required Parameters
-----
```

```

UserID: [                               ] [CLR] [DEFAULT] [CHANGE PASSWORD]
Real Name: [                             ] [CLR] [DEFAULT]
Domain Name: [                           ] [CLR] [DEFAULT]
POP Server: [                             ] [CLR] [DEFAULT]
SMTP Server: [                            ] [CLR] [DEFAULT]
Mail Directory: [                         ] [DIR] [CLR] [DEFAULT]
EditCall: [                               ] [DIR] [CLR] [DEFAULT]
[ ] Editor Opens on the Workbench
=====
```

When this display is first called up, values from the
Tool Types
or the

aemail.cnfg
file (which ever takes precedence) will be displayed in each
of the string gadgets.

Appropriate information can be entered into each of the string gadgets. For the EditCall string gadget you must use the full path name of the editor of your choice plus any parameters you want to use on the call. To specify where the file name you are editing goes use %s. An example would be:

```
c:ed %s
```

Below the EditCall: string gadget is a checkmark gadget which is used to tell AEMail that you editor will open on the Workbench screen. If your editor of choice does not open on it's own screen, you must check this item. The AmigaDos editor, ED, does NOT open on it's own screen; therefor you must check the Editor Opens on the Workbench item if you are using ED.

The buttons to the side of each string gadget perform the following actions:

[CLR] will cause the string gadget to be cleared.

[DEFAULT] will cause default information to be loaded into the string gadgets as follows:

UserID: information from the
USERID
Tool Type.

Real Name: information from the
REALNAME
Tool Type.

Domain Name: Information from the
DOMAIN
Tool Type.

POP Server: If a Domain Name is present, this will be the domain name with pop. prepended to it; otherwise it will be the information from the

POP_SERVER
Tool Type.

SMTP Server: If a Domain Name is present, this will be the domain name with smtp. prepended to it; otherwise it will be the information from the

SMTP_SERVER
Tool Type.

Mail Directory: the default is AEMAIL:

EditCall: Information from the
EDITOR
Tool Type. If the key word WB; precedes the editor call information, the Editor Opens on Workbench item will be checkmarked. WB; will NOT appear in the EditCall string gadget. If the EDITOR Tool Type was not provided, the following will be the default EditCall:

```
c:ed %s
```

and the Editor Opens on Workbench item will be checkmarked.

If a
Tool Type
was the default and it was missing, nothing is
loaded into the corresponding string gadget (except for the
EditCall - see above).

[DIR] causes a file requester to appear for selecting the appropriate
directory or program file (EditCall only) to be loaded into
the appropriate string gadget.

The [CHANGE PASSWORD] button gadget will bring up a special window which will
allow you to change your password. This window looks like the following:

```
|=====|
|0|Enter Password |
|-----|
|          |
|   Enter your new password below   |
|          |
|   [                               ] |
|          |
|          |
| [START OVER]           [ CANCEL ] |
|-----|
```

The string gadget will be automatically activated when the window is displayed.
You can type in your new password, but for each character you type an * will
appear. After hitting return, the heading:

```
Enter your password below
```

will be replaced by the following heading:

```
For verification, re-enter your password
```

You must re-enter your password and, when you hit return, if the re-entered
password matches the first password, the password window will close. The new
password will not take effect until you hit the [USE] or [SAVE] buttons at the
bottom of the window.

If the re-entered password does not match, the following will appear below the
password entry string gadget:

```
Password failed Validation!
```

and the Enter your password below heading will re-appear.

If at any time you want to start over with entering the new password, you can
click on the [START OVER] gadget. If you want to cancel the password entry

process you can either click on the close gadget at the top left of the window or on the [CANCEL] gadget in the window.

1.32 CONFIGURATION: Configuration Screen/TCP/IP Parameters

TCP/IP Parameters

The TCP/IP Parameters display, which will be displayed on the top portion of the

Configuration screen
, looks like the following:

```

=====
AEMAIL Configuration: TCP/IP Parameters
-----

Start Net Call: [                ] [DIR] [CLR] [DEFAULT]
                [ ] Start Net Opens on the Workbench

Stop Net Call:  [                ] [DIR] [CLR] [DEFAULT]
                [ ] Stop Net Opens on the Workbench

[ ] Automatic connection to Internet Provider on AEMAIL Start Up
[ ] Display disconnect check on AEMAIL exit

Disable Queued Mail Check [ ] on connection establishment [ ] at AEMAIL exit
Disable New Mail Check [ ] on connection establishment [ ] at AEMAIL exit

                Check for new mail every [ 2 ] minutes

=====

```

The Start Net Call and Stop Net Call are required if you are going to start up AmiTCP or stop AmiTCP from within AEMail. However, these two string gadgets will default to:

```
AmiTCP:bin/startnet
```

for the Start Net Call, and

```
AmiTCP:bin/stopnet
```

for the Stop Net Call. These are the normal StartNet and StopNet scripts used by

```
AmiTCP
```

. If you have a script with a different name or located in a different place, you can enter the correct path and script name in these string gadgets. The [DIR] button will call up a file requester to allow you the find the script you want and [CLR] will clear the string gadget. [DEFAULT] will place the default script path and name (as indicated above) in the appropriate string gadget.

If you need the Start Net script or the Stop Net script to open on the Workbench screen, click on the appropriate check mark gadget for the particular script. When the TCP/IP Parameter display first opens the Start Net Opens on the Workbench item will be checkmarked. This is because AmiTCP 4.0 Demo requires the Workbench screen for interaction with the user.

If you are using a TCP/IP stack that does not have a Start Net or Stop Net script (such as

TermiteTCP

), you should use the [CLR] button to clear these

two string gadgets. Starting and stopping your Internet connection is then done manually; however, if you use the

Start Net

or

Stop Net

menu item,

the action that is performed is to

iconify

AEMail. You can then perform

the network connection in what ever manner was provided by your TCP/IP stack software. Once the connection is made, un-iconify AEMail and AEMail will then check your POP Server for any available messages if that option was selected (see below).

The Automatic connection to Internet Provider on AEMAIL Start Up check box provides the same capability as the

AUTOCONNECT=YES

Tool Type. When

AEMail is first activated it attempts to determine if if you are connected to your Internet provider. If you are not and this item is checked, AEMail will automatically run your Start Net script. However, the AUTOCONNECT function will be disabled if you do not have a Start Net script.

Except when you are using AEMail as a

mailto:

agent, when AEMail terminates

and you are still connected to your Internet provider, the following Requester will be displayed:

Do you wish to terminate your Host connection now?

You will given the opportunity to reply with either a [YES] or [NO]. If you never want you Internet connection to be terminated when you exit from AEMail, you can prevent the above requester from being displayed by NOT checking the Display disconnect check on AEMAIL exit box. By default, this box WILL BE CHECKED, so, to disable the function, you would have to click in this box. However, this function will automatically be disabled if you do not have a Stop Net script.

Whenever AEMail is first loaded and is connected to your Internet Provider or if you select

Start Net

from the

TCP/IP

menu, a check will be made for any

mail on your POP Server or any mail that must be sent from your QUEUED folder. Except when you are using AEMail as a mailto: agent, this same check is performed when you quit AEMail. You can disable any of these checks by checking the appropriate box in the following lines:

```
Disable Queued Mail Check [ ] on connection establishment [ ] at AEMAIL exit
Disable New Mail Check [ ] on connection establishment [ ] at AEMAIL exit
```

AEMail also has the capability for checking for mail periodically on your POP Server. This function is performed in the background so you can be doing other activities while this check is going on. When mail is found, the following requester will pop up on your screen:

YOU HAVE MAIL!!

n Messages available on the POP Server

Do you wish to receive these messages now?

Replying [YES] to the above requester will start the retrieval of the messages. You can set the time interval for this check by entering the appropriate number of minutes in the following numeric gadget:

Check for new mail every [] minutes

The default time interval is 2 minutes. If you enter a zero in this numeric gadget, no check will be made.

1.33 CONFIGURATION: Configuration Screen/Path Parameters

Default Path Parameters

The Default Path Parameters display which will be displayed on the top portion of the

Configuration screen
looks like the following:

```
=====
AEMAIL Configuration: Default Path Parameters
-----
```

```
Mailcap Directory: [ ] [DIR] [CLR] [DEFAULT]
```

```
TCP Logging File: [ ] [DIR] [CLR] [DEFAULT]
```

```
Retrieve Mail from Directory: [ ] [DIR] [CLR] [DEFAULT]
```

```
Save Mail to Directory: [ ] [DIR] [CLR] [DEFAULT]
```


Save Attachments to Directory: This is the initial path that will appear in the file requester when you select the [Save] or [View & Save] buttons in the Attachment requester . The default directory for this path is RAM:. However, you can specify any other path of your choosing as the default path for the Attachment file requester. You enter that default in this string gadget.

When this this display is first activated, the values that were last saved in the

```
aemail.cnfg
file will be displayed.
```

The buttons to the side of each string gadget perform the following actions:

[CLR] will cause the string gadget to be cleared.

[DEFAULT] will cause default information, as described above, to be loaded into the appropriate string gadget.

[DIR] causes a file requester to appear for selecting the appropriate directory and file name (TCP Logging File only) to be loaded into the appropriate string gadget. The file requester will start out with the last path that was used for that particular string gadget. If no path was last used, a dummy name of VOLUMES will be used, the requester will flash, and the volumes and assigns will be displayed.

1.34 CONFIGURATION: Configuration Screen/General Parameters

General Parameters

The General Parameters display which will be displayed on the top portion of the

```
Configuration screen
looks like the following:
```

```
=====
AEMAIL Configuration: General Parameters
-----
```

```
Printer Device: [PRT:          ] [DIR] [CLR] [DEFAULT]   Top Margin:[4  ]
                [ ] Include Attachment List in Print Out
```

```
[ Printer Setup ]                               [Set Screen Mode]
                [Set Minimum Headers]
```

```
[ ] Delete Mail from Server      [ ] Display Full Header
[ ] Strip Duplicate Messages     [ ] Include Header in Reply
```

Default Reply to Message Parameters

```
[ ] Quote Original Message Text    Quote Prefix[>      ]
Quote Header: [                    ]
```

```
=====
```

The General Parameters screen allows you to set up certain general type parameters such as specifications for your printer device, the screen mode that you want your AEMail screen to open on, the list of minimum headers you want displayed in a message, certain default menu checkmarked items, and the specification for the default message reply header.

For the Printer Device you can specify the device that you want to do your printing on. By default this is PRT:, but you can specify a file if you care to. If you specify a file, your printer output will be sent as standard ASCII text with form feeds and margin spacing included in the output. The [DIR] button will call up a file requester through which you can enter the path and file name of this printer file. [CLR] will clear the string gadget and [DEFAULT] will enter PRT: into the gadget. When this screen is first displayed, the PRT: default name will be in the gadget.

You can also specify the Top Margin of the printout with the numeric string gadget to the right of the Printer Device. The default top margin is 4.

If you do want the list of attachments to appear on the last page of your printout, you can check the Include Attachment List in Print Out box. By default, this box is checked when you first call up the General Parameters screen.

If you want to modify your printer setup parameters that are normally set with your PRINTER PREFERENCES, you can click on the [Printer Setup] button. This will call up the standard Printer Preferences program so that you can change your printer setup.

If you want to set your screen mode for AEMail, you can click on the [Set Screen Mode] button. This will call up a standard Screen Mode Requester which will allow you to set whatever screen mode you wish. Your overscan mode can also be set. This defaults to OVERSCAN-TEXT. When you save your configuration settings, the screen mode you selected and the overscan setting are saved in the

```
aemail.cnfg
file and will be used the next time you load
```

AEMail.

The minimum header set that you want displayed in your message can be set by clicking on the [Set Minimum Headers] button. This will bring up a requester that looks like this:

```
|=====|
|[o] Set Minimum Headers |
|=====|
```

```

|          Select/Deselect Headers          |
|          to be displayed                  |
|=====|
|| *bcc:                                   | ||
|| *cc:                                   | ||
|| Content-Transfer-Encoding:             | ||
|| Content-Type:                           | ||
|| *Date:                                   | ||
|| *From:                                   | ||
|=====|
|          Enter New Header                |
|[                                          ]|
|                                          |
|          [OK]                            |
|=====|

```

A list of possible message headers is displayed in the scrollable list. An asterick (*) in front of a header indicates that it has been selected for inclusion in the minimum header list. Clicking on an item in the list will select it with an (*). If it is already selected, it will be deselected (the asterick will change to a blank).

The string gadget at the bottom of the requester is used to enter a header that is not in the list. Be sure to end the header with a colon (:). After entering the header, press return and the header will be place properly in the scollable list. It will be deselected when it is first entered in the list. You will have to click on it to select it.

When you are through entering items in the list, click on [OK] and you will be returned to the General Parameters screen. Clicking on the close gadget at the top of the requester has the same effect as clicking on [OK].

Please NOTE: anything you enter in the list or select/deselect will remain in the list in that state during the current run of AEMail even if you click on [CANCEL] in the main Configuration screen. In other words, [CANCEL] for the minimum header list has the same effect as [USE]. Clicking on [SAVE] at the bottom of the screen will permanently save the headers you have selected.

There is no way to delete a header once it has been entered in the list and saved except by deleting the .headers file in the AEMAIL: directory. This is really not a problem, however, since, if you entered an incorrect header and haven't selected it, it will have no effect on the program.

The four check boxes:

```

[ ] Delete Mail from Server
[ ] Display Full Header
[ ] Strip Duplicate Messages
[ ] Include Header in Reply

```

have the same effect as the Tool Types

```

DELETEMAIL=
,
FULLHEADER=

```

,
 STRIPDUPS=
 , and
 HDRINREPLY=
 . A checked condition is the same as a YES in
 the tool type. When you exit from the
 Configuration screen
 with either [USE]
 or [SAVE], the corresponding menu items will be checked or unchecked depending
 on the state of these check boxes.

The section below the heading Default Reply to Message Parameters is used to
 set up the default actions when you are replying to a message. The
 Quote Original Message Text box sets up the default action for quoting
 the original text in a message. Even though you take the default of not
 quoting text, you will given an opportunity to change you mind about this
 when you compose the message.

The Quote Prefix: string gadget indicates what is to be placed in front of
 each quoted line if an original message is quoted. This, by default, is >;
 however, you can use any other prefix as the default that you like.

A Quote header: will be placed on the line in front of the quoted material.
 You can choose what you would like as the default heading and enter it in this
 string gadget. By default, the header which will initially appear in the
 Quote Header: string gadget is:

On &(week), &(date2), at &(time), &(name) wrote:

The & followed by a field name in parenthesis indicates substitution of data
 from the original message. The values that can be substituted are:

- &(name) The Real Name of the sender of the original
 message. If the Real Name is not available,
 the sender's UserID will be used instead
- &(subject) The subject from the original message. Any RE:
 or (fwd) will be stripped.
- &(week) The day of the week that the original message
 was sent.
- &(date) The date the original message was sent in the form
 dd mmm yyyy, where dd is the day of the month,
 mmm is month in the form Jan, Feb, Mar, etc, and
 yyyy is the full 4 digit year.
- &(date1) Same as &(date).
- &(date2) The date in the form mmm dd, yyyy.
- &(time) The time the original message was sent in the
 form hh:mm xM where hh is the hour on a 12 hour
 clock, mm is the minute, and xM is AM or PM.

The Quote Header is designed to be modified by the user and can be changed

with this string gadget. This is a permanent change if you select [SAVE] to save the Configuration data, or it can be in effect as the default for only this running of AEMail if you select [USE]. You can always change this default, however, when you

```
compose
a message.
```

1.35 STARTING AEMAIL

Starting AEMail

AEMail can be started either from the Workbench by double clicking on it's icon or from the

```
shell
. It is recommended that AEMail be normally run from
the Workbench. The shell invocation is primarily designed for
mailto:
agents in WWW browsers.
```

AEMail can be run either in an offline or online mode. This means that you do have to be connected to your Internet provider when AEMail is activated. However, to actually receive or send mail via your Internet provider, you must be connected to your provider. You can activate AEMail before connecting to your provider or after; it makes no difference.

A convenient menu item have been provided in AEMail to

```
Start Net
, for
connecting to your provider after AEMail is up and running. A menu item has
also been provided to stop your network connection (
Stop Net
).
```

You can also automatically activate

```
AmitTCP
at program startup by providing the

AUTOCONNECT=YES
Tool Type or by check marking the Automatic connection to
Internet Provider on AEMAIL Start Up in the
TCP/IP Parameters
section of the

Configuration screen
.
```

To activate AEMail simply double click on the AEMail icon. You can also activate AEMail from the shell, but, if activated in this manner, it will not have access to the configuration information provided by

```
Tool Types
. It
does, however, have access to the configuration information in the
```

```
aemail.cnfg
```

file.

AEMail opens on it's own 16 color Public Screen. The Public Screen name is AEMAIL-1. 8 of the colors are defined by the first eight colors of the Workbench screen. The remaining 8 colors are pre-defined with the following colors: Red (13R, 0B, 0G), Green (0R, 15G, 0B), Blue (0R, 0G, 15B), Magenta (15R, 0G, 15B), Yellow (15R, 15G, 0B), Orange (15R, 10G, 0B), Brown (10R, 5G, 0B), and Purple (9R, 3G, 9B). These colors have been preset to provide a consistant color scheme for displaying icons and folder tab colors. Under consideration is the possibility of allowing these colors to be user settable in the future.

Click

here
for a description of the main AEMail screen.

Since multiple windows are opened by AEMail, the program opens on it's own screen to allow uniformity in being able to push the screen to the back (with all of it's member windows) and back again to the front. The LEFT-AMIGA-M key can be used for this purpose.

You can also iconify AEMail with an iconify bar on the Workbench screen. A menu item in the

Project menu
has been provided to perform the
iconify
action.

When this menu item is selected, the AEMail screen will disappear and a button bar will appear on the Workbench screen with

AEMAIL (Click on Close or with RMB to restore)

in the title. When the iconified bar is selected, clicking either on the close gadget or with the Right Mouse Button (RMB) will restore the AEMail screen.

There is also a hotkey provided for iconifying AEMail. This is RIGHT-AMIGA-I. This same hot key will also take AEMail out of iconify mode. The LEFT-AMIGA-I key will also accomplish this.

Periodically during the running of AEMail, the program will automatically switch to the Workbench screen for executing certain functions and then switch back when the function is complete.

The first thing AEMail does when it is activated is check to see that certain configuration information has been provided. The necessary items are:

UserID
Password
Domain Name
Edit Call

If any of these items have not been provided, the following requester will be displayed:

The following Configuration items are empty

list of empty items

They are required items!

The Pop Server call and the SMTP call will also be included in this list if the Domain Name is missing.

If this requester is displayed, you will be given the following choices:

[Configure AEMAIL now]

[Cancel AEMAIL]

If you were to click on [Cancel AEMAIL], AEMail will terminate. You can not proceed any further until you have entered these items with the Configuration screen or by providing them as

Tool Types

.

Clicking on the [Configure AEMAIL now] will bring up the Configuration screen

.

After verifying that required configuration information has been provided, AEMail will check to see if you are connected to your Internet provider. If you are, connection will be made to your POP server to see if there are any messages available on the server in your mail box. If there are, the following requester will appear:

n Messages Available on the POP Server

Do you wish to receive these messages now?

If you click on the [YES] button, those message will be retrieved at this point. See the

RETRIEVE MESSAGES

command for details on this process.

If you click on [NO], no message retrieval will take place at this time. You will need to retrieve these messages later using the RETRIEVE MESSAGES command icon.

After AEMail checks to see if any messages are available on the POP Server, it also checks to see if any messages are in the QUEUED folder (messages queued to be sent). If there are, the following requester will appear:

You have n messages queued to be sent

Do you wish to send these messages now?

If you click on the [YES] button, all of the messages in the QUEUED folder will be sent immediately. This is the same as selecting the

Send Queued Mail
item

under the

Project
menu or selecting the QUEUED FOLDER and clicking on the

Send Message Immediately
command icon.

If you click on [NO], the queued messages will not be sent at this time. You will need to send these messages later using either the Send Queued Mail item under the Project menu or selecting the QUEUED FOLDER and clicking on the Send Message Immediately command icon.

If you successfully connected at program startup the following message will appear in the Title bar of the AEMail screen:

TCP/IP session started with Your-Domain-Name

If you were not connected the following message will appear in the Title bar:

Not Connected to Your-Domain-Name Host

You can disable either or both the POP mail check or the queued mail check at startup by checkmarking the appropriate items in the

TCP/IP Parameters
section of the
Configuration screen

.

When AEMail is first activated the
folder list

will be displayed. Double

clicking on either the name of the folder in the list or one of the folder icons will cause the

message list
for that folder to be displayed.

Double clicking on a message in the message list will cause that particular

message
to be displayed.

If you have selected a time increment in the TCP/IP Parameters section of the Configuration screen (the default is 2 minutes), a background process will be started which checks your POP server every few minutes (as specified by the interval) for messages. If there are any messages, the following requester will pop up:

YOU HAVE MAIL!!

n Messages available on the POP Server

Do you wish to receive these messages now?

Replying [YES] to the above requester will start the retrieval of the messages. This requester will only pop up when you are in the main AEMail screen and are not in the middle of some function such as composing a message, transferring or saving a message, printing a message, or performing configuration changes.

NOTE: if you did not specify that you wanted messages deleted from your POP server as you transferred them to your Amiga, the YOU HAVE MAIL!! requester will pop up each time the system checks for mail.

1.36 MAIN AEMAIL SCREEN

The Main AEMAIL Screen

When AEMail first starts, three windows are opened in horizontal bands on the AEMail screen. The main window is displayed just below the screen menu/title bar and provides a contextual help title bar and a

command icon strip

. This

strip provides icons for accessing the major functions of AEMail and consists (from left to right) of the following icons:

Display Folder List

,

Display Address Book

,

Display Previous Message

,

Display Next Message

,

Save Message To File

,

Print Selected Messages

,

Delete/Undelete Message

,

Compose a Message

,

Send Message Immediately

,

Queue Message for Later Delivery

, and

Retrieve Messages

. Currently

these icons are in black and white, but a future release will provide colored icons with more detailed displays.

The window below the command strip window contains a folder strip set of icons. An icon is provided for each folder with a colored tab to indicate the type of folder (of the user's own choosing - see Folder Configuration Window).

Below each folder icon is a short name (not exceeding 9 characters) for that folder. Inside the folder is the total number of messages. It may be followed by the number of unread messages in parenthesis. If there are unread messages, both numbers will be displayed in red. These messages counts will be updated as messages are added to the folders. Deleted messages are not subtracted from these counts. The counts reflect the actual number of messages in the folder whether they are marked for deletion or not.

Four pre-defined folders are provided: INBOX for holding retrieved messages, PENDING which holds messages that the user is currently composing and has not decided to send as yet, QUEUED which holds completed messages for later transmission, and SENT which holds messages that have been sent and accepted by the SMTP Server. Since these folders must always be present, you can not delete or change the name of these folders.

A facility has been provided to allow the user to add as many additional folders of his own choosing that he wants to the list of folders (see Folder menu).

As each new folder is created, an icon will be created and placed next to the last folder icon. Any number of folders can be created and the folder strip has the ability to scroll horizontally so that all of the folder icons can be viewed and accessed.

You can use the menu items
Transfer...
and
Copy...
under the

MESSAGE menu
to transfer or copy messages between folders.

The last window is placed below the folder strip and is used to display either
folder lists
,
address books
,
message lists
, or
messages
themselves.

If a non-interlaced screen is provided, the message and address book displays will start below the command strip (overlying the folder strip) rather than below the folder strip. This is done to provide more room for the message or address book display since the number of displayable lines is limited.

Other
windows
are also provided which cover the entire screen below the title

bar for the purpose of providing configuration information and for composing messages.

While the command and folder strips are being displayed, a contextual help line is provided in the main (command strip) window title bar below the screen's title bar. As you pass the mouse cursor over any command or folder icon, a description of that command or folder will be displayed in the window title bar. The main window menu bar should also be active whenever the mouse pointer moves to the folder strip or above.

All command and folder icons are surrounded by a raised box. Whenever a command or folder is selected, the box will become depressed.

1.37 INVOKING AEMAIL FROM THE SHELL

Invoking AEMail from the Shell

The shell invocation is primarily designed for

```
mailto:
agents in WWW browsers.
```

When invoked from the shell, there are two optional arguments that can be used as follows:

```
AEMail [userid-of-recipient-of-email [pubscr=browser-screen-name]]
```

If the recipient's userid is present, AEMail will load and immediately display the

```
Compose message window
. After you have composed the message
```

a requester will be displayed which asks:

```
What action do you wish to perform
on the message you just created?
```

You are given the following options:

```
[SEND NOW]   [QUEUE]   [CANCEL]   [NO ACTION]
```

[SEND NOW] will immediately send the message; [QUEUE] will queue the message for later delivery; [CANCEL] will delete the message without sending it; and [NO ACTION] will leave the message in the Pending folder without any action being performed.

```
[SEND NOW]
```

```
,
[QUEUE]
, and
```

```
[CANCEL]
```

work similarly to the corresponding command icons in the

COMMAND ICON STRIP
 ([CANCEL] is the same as the DELETE command).

Once the action requested is performed, AEMail will terminate.

If AEMail is used as a mailto: agent for your browser and that browser passes it's public screen name along with the userid, you can use the keyword argument pubscn= to specify that public screen. AEMail will then bring the browser's screen to the front when AEMail terminates. If this argument is missing and the browser opens on it's own screen but does not, itself, bring the screen to the front when it returns from the mailto: command, you will have to manually bring the browser's screen to the front with the LEFT-AMIGA M key.

When you invoke AEMail from the shell with a userid parameter, you will not be able to use any of the AEMail menus or commands. However, AEMail will check for Mail on your POP Server and for Queued messages before displaying the Compose message screen (see

initial AEMAIL action
 and ask

for configuration data if required parameters are not present in the

s:aemail.cnfg
 file.

If you invoke AEMail from the shell without any parameters, AEMail will behave the same as if it was invoked from the Workbench by clicking on it's icon. (See

Starting AEMail

.

1.38 USING AEMAIL AS MAILTO AGENT

USING AEMail AS A "MailTo" AGENT

A number of Amiga WWW Browsers allow you to select a Mail agent to be used for sending email when a mailto: HTML link is specified. AEMail can be used as such a mail agent.

On the configuration screen for your browser specify AEMail as your mailto: agent by using the full path name of AEMail and the token for specifying the userid address.

As an example, for

Voyager
 you can specify the following:

AmiTCP:bin/AEMail %h

as the mailto: helper application in the Network Settings: Other Voyager menu or when you install Voyager. Be sure and save your Voyager settings once you make the change.

The %h in the above specification is Voyager's token for where to place the

userid address. The specification also assumes that you installed AEMail in the AmiTCP:bin drawer. Use the correct full path for where you installed AEMail. Voyager does not require a pubscr= argument.

Other browsers, if they use this capability, may have a different way to specify the mailto: user agent. Consult your browser documentation for how to do this.

In

AWeb

, for instance, bring up the Change Settings menu and select ←
External

programs in the cycle gadget. You enter the mailto: application call with two string gadgets. The first string gadget specifies the Command string which would be AmiTCP:bin/AEMail (again the full path name) and the second string gadget specifies the Argument string which would be %s pubscr=%s. AWeb does use the public screen argument.

In order for the mailto: agent to work properly, AEMail must NOT be running when you start up your browser. When you click on the mailto: link, AEMail will be loaded, the

Compose message window

will be displayed, you will then

be able to compose and send the message, and AEMail will terminate.

See

Invoking AEMail from the Shell

.

1.39 COMMAND ICON STRIP

COMMAND ICON STRIP

This Command Icon strip provides icons for accessing the major functions of AEMail and consists (from left to right) of the following icons:

Display Folder List

This icon looks like a file cabinet.

Display Address Book

This icon looks like an open book.

Display Previous Message

This icon is a backward arrow.

Display Next Message

This icon is a forward arrow.

Save Message To File

This icon looks like a diskette.

Print Messages

This icon looks like a printer.

Delete/Undelete Messages

This icon looks like a garbage can.

Compose a Message

This icon looks like a sheet of paper with a pen on it.

Send Messages Immediately

This icon looks like an envelope with an arrow going out.

Queue Messages for Later Delivery

This icon looks like a mailbox.

Retrieve Messages

This icon looks like an envelope with an arrow coming in.

Click on the links above for a description of each of the Command Icons and the functions that it performs. Clicking on the Command Icon while in AEMail will activate the function described.

1.40 COMMAND ICON STRIP/Display Folder List

DISPLAY FOLDER LIST

Clicking on the Display Folder List icon will cause the folder list to be

displayed in the lower window. This list shows each folder with its short name (INBOX, PENDING, etc), a description of the folder, the number of unread messages in the folder, and the total number of messages in the folder.

The total number of messages includes any messages marked for deletion.

1.41 COMMAND ICON STRIP/Display Address Book

DISPLAY ADDRESS BOOK

Clicking on the Display Address Book icon will display the Address Book window

.

Each address book entry contains three fields: Nickname, Real Name, and UserID (Address). In addition, entries can be provided for groups with a distribution list. The group is identified with the heading DISTRIBUTION LIST in the top most UserID field and the UserID's for the members of that list are shown below that heading.

For items in the distribution list, real UserID's or Nicknames can be used (Nicknames preferred). An item in the distribution list can also be another distribution list (In this case, only a Nickname can be used). All Nicknames are expanded to Real Name and UserID when mail is sent.

Currently, Address Book entries are sorted by Nickname and group entries are interspersed with single entries. Also Real Names are presented as first name followed by last name rather than last name, first name.

The first time AEMail is loaded, a special Address Book entry with a Nickname of AEMAIL is created. This entry can be used to send bug reports and messages about AEMail to my email address.

Address Book data is stored in a file in your AEMAIL: directory called

```
.addrbook
.
```

1.42 COMMAND ICON STRIP/Display Previous Message

DISPLAY PREVIOUS MESSAGE

When you are

```
    displaying a message
    , clicking on this icon will display the
previous message in the
    message list
    . If you are at the first message in the
list, a requester will be displayed informing you of this.
```

1.43 COMMAND ICON STRIP/Display Next Message

DISPLAY NEXT MESSAGE

When you are

```
    displaying a message
    , clicking on this icon will display the
next message in the
    message list
    . If you are at the last message in the
list, a requester will be displayed informing you of this.
```

1.44 COMMAND ICON STRIP/Save Message to File

SAVE MESSAGE TO FILE

This function can be activated from either the icon strip or the Save... sub-item in the

Messages menu

. A message must be selected before activating this function. Only one message can be selected; multiple selection does

not work with this function. The message you want to save must be either highlighted in the

message list

or

currently being displayed

.

Before the message is saved, a requester will appear which will describe the message to be saved as to Date, From, To, and Subject and will ask you if you want to perform the requested action. Selecting [SAVE] will display a file requester in which you will be asked to enter the file name you want the message saved as, and selecting [CANCEL] will exit the function without performing the action.

The complete message, including all attachments, is saved in the format in which the message was received from the POP server except that CARRAGE-RETURN/LINEFEED sequences are stored as LINEFEEDs alone. Also, the message ending sequence (.<CR><LF>) is eliminated and any embedded ..<CR><LF> are changed to .<LF> as they would normally appear in a message. This facilitates conversion of messages from one AEMail version to another.

If you want to save an attachment in its converted format, you can do that with the

Attachment Requester

that can be brought up when you

display a message

.

1.45 COMMAND ICON STRIP/Print Messages

PRINT SELECTED MESSAGES OR A LIST OF MESSAGES

This function can be activated from either the icon strip or the Print sub-item in the

Messages menu

. You must select the messages you want printed prior to selecting this function.

Multiple message selection

works with

this function. If you don't select any messages you will print a list of the

messages in the selected folder (see below).

Each of the messages will be printed in the order that they appear in your

message list

. All selected messages will be printed whether they are marked for deletion or not. A progress indicator will appear as each message is being sent to your printer which shows the percent being printed and the total bytes being printed. This progress indicator has an [ABORT] button which allows you to terminate the printing. However, beware, most printers have a substantial buffer which will probably receive all of your messages quite quickly. Once the messages are in the printer's buffer, the printing can not be cancelled without turning your printer off.

A heading line will be printed on each page of the listing which contains the following information:

Message Sent on mm/dd/yy (dow) at hh:mm [AM/PM], [from/to] [name] Page n

where

mm/dd/yy is the date the message was sent (received) or composed,

dow is the day of the week the message was sent (received) or composed,

hh:mm is the hour and minute the message was sent (received) or composed using a 12 hour clock,

[AM/PM] is either AM or PM.

[from/to] if the message was received you will see "from", and if you composed or sent the message you will see "to",

[name] is the full name of the sender or nickname of recipient,

n is the page number.

On the first page only, if there are attachments, the following line will appear below the heading line:

This message has attachments (See last page for list).

On a separate page, after the message, the attachment list will appear, providing the "Include Attachment List in Print Out" item is checkmarked in the

General Parameters

portion of the

Configuration

screen. Printing the

attachment list is the default action.

Note: no check is made whether a selected message is deleted or not. If a deleted message is selected it will be printed anyway (this is probably desirable in certain circumstances). If you don't want to print it, de-select it!

This function can also print a list of all messages in a folder. To do this,

DO NOT select any messages in the folder. A requester will appear when you select either the printer command icon or the Print menu item which says:

No messages selected to print!

Do you want to print a list
of all the messages in the
[name of folder] folder?

[YES]

[NO]

By selecting [YES] you will print a list of the messages. Messages will be printed in the order that they appear in the message list.

Selecting [NO] will terminate the printing function.

Printing uses your Preferences Printer. You should set it up properly before executing AEMail, or you can set it up while in AEMail by using the

General Parameters
display on the
Configuration
screen. You can also

specify a print file that the output will be directed to.

As a default AEMail will space 4 lines down before starting to print. This Top Margin, however, can be changed in the General Parameters section of the Configuration screen.

1.46 COMMAND ICON STRIP/Delete/Undelete Messages

DELETE/UNDELETE MESSAGES

This function can be activated from either the icon strip or the Delete/Undelete sub-item in the

Messages menu

. It will delete OR undelete all messages that
have been selected in a
message list

.

Whether deleting or undeleting takes place depends on the current status of the message. If it is currently marked for deletion, it will be undeleted.

This function only marks (or unmarks) messages for deletion. The messages will actually be deleted only when AEMail exits.

1.47 COMMAND ICON STRIP/Compose a Message

COMPOSE A MESSAGE

The Compose a Message function brings up the Compose Message window so that you can enter information about the message you are about to compose. The information you enter includes the Nickname or UserID of the recipient of the message, the subject and whether or not you want to send cc's to anyone. You can also specify any attachments you want to send with the message through the

Add Attachment Requester

.

After supplying the required information, your editor will be called and you will then compose your message text.

If a message has been selected in any folder, except the PENDING, QUEUED, or SENT folders, before clicking on this icon, the compose will be treated as either a reply to the selected message or you will be allowed to compose a new message to be sent to a different (or same) recipient.

If you want to forward a message you will have to use the

Forward...

sub-item

in the

Messages menu

.

If the message selected was in the PENDING or QUEUED folder, you will be allowed to either edit the selected message or create a new message. If you edit the message it will be stored back into the PENDING folder and the old message will be deleted. If the message selected was in the SENT folders, you will only be able to create a new message.

After your message has been composed it will automatically be placed in the PENDING folder. You can then send the message by either clicking on the

SEND MESSAGE IMMEDIATELY

icon or queue it for later delivery by clicking on

the

QUEUE MESSAGE FOR LATER DELIVERY

icon.

1.48 COMMAND ICON STRIP/Send Message Immediately

SEND MESSAGE IMMEDIATELY

With the Send Message Immediately function an attempt will be made to send the Selected Message(s) to their recipients. The messages to be sent must be in either the PENDING or QUEUED folder. The messages will be sent from the QUEUED folder only if the QUEUED folder is selected; otherwise they will be sent from the PENDING folder.

If messages are selected (see
Multiple Selection
) , a requester will appear
that asks:

Do you wish to send the entire [pending/queued] folder
or just selected messages?

The choices available are:

[ENTIRE FOLDER] [SELECTED MESSAGES] [CANCEL SEND]

If no messages have been selected, the entire selected folder will be sent
without a requester appearing. Deleted messages are never sent.

If there are no undeleted messages in the selected folder a notification
requester will appear that indicates that "No messages available to send".

A check will then be made to see if you are connected to your Internet provider.
If you are not, a requester will be displayed which informs the user that we
are in offline mode and that the messages can not be sent.

If you are connected to your Internet provider, a message will appear in the
top title bar that says "Connecting to SMTP Host to send mail". Once the
connection is made. AEMail will display "Starting to send n messages"
where n is the number of messages selected to send. If we are unable to
connect or an error is reported back from your Internet provider, a message will
appear in the title bar showing the nature of the error and the messages will
not be sent.

A progress window will also be displayed which will show the current number of
the message being sent, the total number of messages being sent, the percentage
of the current message already sent and the total bytes in the current message
being sent. The percentage will be shown as both a number and on a graphic
slider.

This progress window also has an [ABORT] button which allows you to terminate
the sending of the current and all remaining messages to your SMTP Server.

All nicknames used in To:, cc:, and bcc: header fields will be expanded to the
form: Real Name<userid>. Group nicknames will be expanded to the Real Names
and UserIDs of all members of the group.

When each message is successfully sent, the following message will be displayed
in the upper title bar:

Mail n of n successfully sent to [To: addressee]

The n in the above message indicates the message number and the total messages
to be sent. The [To: addressee] indicates who the message was addressed to.
If it was addressed to multiple addressees, the first addressee will appear
followed by , et al....

The message will also be placed in the SENT folder and marked as deleted in the
PENDING or QUEUED folder.

In the current version of AEMail, the send process operates in the same execution mode as AEMail. This means that you can not perform any other AEMail operation until the message is either rejected by your Internet provider or successfully received by your provider (unless you abort the process). In a future version, this process will be moved to a background process so that you can perform work in AEMail while the sending of the message proceeds.

1.49 COMMAND ICON STRIP/Queue Message for Later Delivery

QUEUE MESSAGE FOR LATER DELIVERY

This function is provided to allow the user to mark messages that you want sent later. NO MORE EDITING OF THESE MESSAGES can occur once they are moved to the QUEUED folder. However, messages can be moved back to the PENDING folder with the

```
Transfer...
sub-item in the
Messages
menu. Messages for
```

queuing must come from the PENDING folder.

You can send these messages manually from the QUEUED folder any time you want by either sending the entire folder or individual messages in the folder. This is done by selecting the QUEUED folder and clicking on the

```
SEND IMMEDIATE
icon or by selecting the
Send Queued Mail
menu item under the
Project
menu.
```

AEMail also allows the user the option of sending queued messages automatically when AEMail is first activated, or when the program terminates provided you are connected to your Internet provider (see

```
STARTING AEMAIL
). AEMail
```

will also perform this check when you make connection to your Internet provider through the StartNet script unless you have disabled this feature with the

```
TCP/IP Parameters
section of your
Configuration screen
.
```

If messages are selected in the PENDING folder when you click on the QUEUE MESSAGE icon, a requester will appear that asks:

```
Do you wish to queue the entire pending folder
or just selected messages?
```

The choices available are:

```
[ENTIRE FOLDER]      [SELECTED MESSAGES]      [CANCEL QUEUING]
```

If no messages have been selected, the entire PENDING folder will be queued without a requester appearing. Deleted messages in the PENDING folder are never queued.

If there are no undeleted messages in the PENDING folder a notification requester will appear that indicates that "No messages available to queue".

The messages that are selected will be placed in the QUEUED folder and marked as deleted in the PENDING folder.

1.50 COMMAND ICON STRIP/Retrieve Messages

RETRIEVE MESSAGES

When the Retrieve Messages function is selected, AEMail will attempt to connect to the POP host server and transfer any mail at the server to your AMIGA.

If you are in offline mode (you are not connected to your Internet provider or AEMail can not connect to your POP server), you will be asked if you want to retrieve

messages from a file

.

If you are online with your Internet provider and connection can be made to your POP mail server, all messages stored on the server will be transferred to the AMIGA. They will be stored as individual messages in the AEMAIL: directory with cryptic file names (see

messages
file).

A progress window will also be displayed which will show the number of the current message being received, the total number of messages being received, the percentage of the current message already received and the total bytes in the message being received. The percentage will be shown as both a number and a graphic slider.

This progress window also has an [ABORT] button which allows you to terminate the receipt of the current and all remaining messages from your POP Server.

PLEASE NOTE: The abort process only aborts the receipt of messages into the AMIGA, It does NOT abort the transfer of data from the POP Server. While AEMail disconnects from the server, the server may be unaware of this and continue to send the remainder of the message. If AEMail attempts to re-establish contact with the Server while it is still sending the message AEMail may start to receive the middle of the previously requested message. AEMail has been programmed to recognize this and will temporarily report that the POP connection could not be established. Once the POP Server finishes transferring the message, it should become available for another connection.

The progress window will be shown both when retrieving messages from your POP server and from files, however, if you are retrieving a message stream, AEMail will not be able to correctly determine the number of messages being retrieved. Therefor the "n of n" indicator will be incorrect.

If mail on the server is to be deleted, the menu sub-item

Delete Host Mail

in the

Retrieve Messages

menu must be checked. If this menu sub-item is

not checked, mail will NOT be deleted on your POP server. This has no effect when you are retrieving messages from a file. NOTE: the AEMAIL

Install script

automatically defaults to deleting host mail. You will have to un ←

-check

this item if you want to keep mail on your POP Server.

Since old mail may not be deleted on your server, a menu sub-item has been provided under the

Retrieve Messages

menu called

Excl Dup Msgs

. When

this sub-item is checked duplicate messages from the mail server which are currently stored in any incoming folder will not be stored again. The only folders not checked for duplicate messages are the PENDING, QUEUED and any folder designed to hold SENT messages. Again, the default action with the install script is to delete duplicate messages.

Currently, like sending messages to your Internet provider, the retrieval process is run in the same execution mode as AEMail. This means that all of the messages must be received from the POP Server before any other AEMail process can take place. Again, a future version will move the retrieval process to a background process so you can proceed with other AEMail functions while retrieval takes place.

Every time a new message is retrieved AND stored, the total and new message counts in the folder list AND the folder icon strip will be updated. Also the top title bar will display the following message:

Message n of n retrieved[/deleted] from [POP server/file], [not] saved

The first n indicates the current message number and the second n indicates the total number of messages being retrieved. (NOTE: This message will also appear when local mail files are being transferred, but the counts may not be accurate if you are retrieving from a message stream. Also, the retrieval process from local files is so fast, you may only see the message for the last retrieval.)

The /deleted will appear if the message has been deleted on the POP server and not will appear if the message was a duplicate and was not saved.

You can check for messages on your POP server and retrieve these messages manually any time you wish by clicking on the RETRIEVE MESSAGES icon. Also, the user has the option of retrieving messages automatically when AEMail is first activated (provided you are connected to your Internet provider), each time you execute your

StartNet

script from within AEMail (see the

TCP/IP menu

), and when you quit AEMail.

You can also set a time interval in minutes in which AEMail will periodically check for new mail (see TCP/IP parameters on the Configuration screen).

This function is done in the background and if one or more messages are on your POP server, the following requester will pop up:

YOU HAVE MAIL!!

n Messages available on the POP Server

Do you wish to receive these messages now?

Replying [YES] to the above requester will start the retrieval of the messages. This requester will only pop up when you are in the main AEMail screen and are not in the middle of some function such as composing a message, transferring or saving a message, printing a message, or performing configuration changes.

NOTE: if you did not specify that you wanted messages deleted from your POP Server as you transferred them to your AMIGA, the YOU HAVE MAIL requester will pop up each time the system checks for mail.

1.51 COMMAND ICON STRIP/Retrieve Messages (From Files)

Retrieving Messages from Files

If you are in offline mode (you are not connected to your Internet provider or AEMail can not connect to your POP server), you will see a requester that asks:

!! We are running in Offline mode !!

Do you wish to receive messages from files?

Clicking on [NO] will terminate the retrieval process.

Clicking on [YES] will bring up a file requester which will allow you to select one or more files. The default directory for these files is AMITCP: since it is assumed that you are trying to bring in mail that was previously transferred using another mail user agent such as AmiPOP, AirMail, or Voodoo; however, you can switch to any other directory and bring in any file that is in email text format. You can also change the default directory for retrieving off-line mail with the

Path Parameters
display on the
Configuration screen

.

AEMail automatically recognizes mail stored as individual messages or as message streams (such as stored by AmiPOP). The only requirement is that the message stream must separate messages with data beginning:

```
...<LF><LF>From UserID
```

where UserID is your own UserID as specified in the
USERID=

```
tool type  
or with the  
Required Parameters  
display on the  
Configuration screen  
.
```

It is also assumed that lines have been stored in the file ending in <LF> and not <CR><LF> (<CR> is \$0D and <LF> is \$0A).

If you encounter a message stream that does not use the above to separate messages, please report what was used and what product was used to create the message stream. A copy of the message stream on floppy or sent to me as an email attachment would be very handy. (see
Bug Reports and Suggestions
)

1.52 AEMAIL MENUS

AEMAIL Menus

When ever your are displaying folder lists, message lists, or messages themselves a menu strip is active and will be displayed when you press the right mouse button.

Below is a list of all the current menus in the AEMail menu strip. Clicking on a menu item in this list will bring up a list of the menu sub-items and clicking on a sub-item will bring up a description of the sub-item's functions:

```
Project menu  
  
Folders menu  
  
Messages menu  
  
Retrieve Msgs menu  
  
TCP/IP menu
```

1.53 AEMAIL MENUS/Project menu

Project menu

The Project menu consists of the following items:

```

Configuration...
Save Settings
Re-Set Settings
Send Queued Mail
Iconify AEMAIL
About...
Quit...

```

1.54 AEMAIL MENUS/Project menu/CONFIGURATION...

Configuration...

The

```

Configuration screen
will be activated allowing complete configuration

```

data to be entered.

Save Settings

This causes the

```

aemail.cnfg
file to be written with all of the current
settings including the current state of the
Display Full Hdr

```

```
,
```

```

Incl Hdr in Resp

```

```
,
```

```

Excl Dup Msgs
and
Delete Host Mail
menu items. This

```

will also cause the aemail.cnfg file to take precedence over the

```

Tool Type

```

entries when AEMail is next loaded. The Save Settings menu item is not necessary if you saved your settings from the

```

Configuration screen

```

```
.
```

Re-Set Settings

This causes the

Tool Type
entries to take precedence over the
aemail.cnfg
file when AEMail is next loaded. NOTE: if you have not entered ↔
required Tool

Types and you use this menu item, the next time you load AEMail you will be
required to reenter your required AEMail configuration information (i.e.,
UserID, Password, and Domain Name).

(see

Required Parameters
under the
Configuration screen
)

1.55 AEMAIL MENUS/Project menu/SEND QUEUED MAIL

Send Queued Mail

This will send all messages in the QUEUED folder. (See the

SEND MESSAGE IMMEDIATELY
command in the
COMMAND ICON STRIP

.

This action will also occur automatically when you first load AEMail and
when you exit AEMail provided you are connected to your Internet provider.

1.56 AEMAIL MENUS/Project menu/ICONIFY AEMAIL

Iconify AEMAIL

You can iconify AEMail with an iconify bar on the Workbench screen with this
menu item. When this menu item is selected, the AEMail screen will be closed
and a button bar will appear on the Workbench screen with

AEMAIL (Click on Close or with RMB to restore)

in the title. When the iconified bar is in selected mode, clicking either on
the close gadget or with the right mouse button will restore the
AEMail screen

.

Initially the iconify bar will open at the top center of the Workbench screen,
but it can be dragged anywhere on the screen. AEMail remembers where you

dragged the bar so the next time you iconify, the bar will be at that new position.

There is also a hotkey provided for iconifying AEMail. This is RIGHT-AMIGA-I. This hot key, and also LEFT-AMIGA-I, will also restore the AEMail screen when in the iconify mode.

When in iconify mode, periodic checking of mail on your POP server is still done. If mail is found, the YOU HAVE MAIL requester will pop up on the Workbench screen. You can retrieve the mail immediately by clicking on the [YES] gadget. The requester will disappear and retrieval of messages will occur in the background and no progress indicator will appear. When you return to the AEMail screen, the new messages will be in your INBOX folder.

You can also push the AEMail screen to the back exposing the screen immediately behind the AEMail screen or the WorkBench screen by hitting LEFT-AMIGA-M when the AEMail screen is being displayed. This is standard Amiga action.

If the AEMail screen has been pushed to the back, hitting LEFT-AMIGA-M will bring the screen forward. Note: if other screens, besides the Workbench screen, are also present, they may be moved to the front first so that you may have to hit LEFT-AMIGA-M several times before the AEMail screen appears.

Since there is no screen to bring forward, this will not work if the iconify action has been taken.

1.57 AEMAIL MENUS/Project menu/ABOUT

About...

This will display the name, version, and date of the program followed by information as to whether or not the registration message has been sent and who the version is registered to.

Below that is information on how to contact the author of the program.

1.58 AEMAIL MENUS/Project menu/QUIT

Quit...

Exits AEMail.

When this menu item is selected, AEMail first checks to see if you are connected to your Internet provider. If you are, a connection will be made to your POP Server to see if there are any messages available on the server. If there are, the following requester will appear:

n Messages Available on the POP Server

Do you wish to receive these messages now?

If you click on the [YES] button, those message will be retrieved at this point. If you click on [NO], no message retrieval will take place.

After AEMail checks to see if any messages are available on the POP Server, it also checks to see if any messages are in the QUEUED folder (messages queued to be sent). If there are, the following requester will appear:

You have n messages queued to be sent

Do you wish to send these messages now?

If you click on the [YES] button, all of the messages in the QUEUED folder will be sent immediately. If you click on [NO], the queued messages will not be sent.

After checking for POP messages and QUEUED messages, the following requester will appear:

Do you wish to terminate your Host connection now?

Selecting the [YES] button will cause the stopnet script to be executed terminating your TCP/IP connection to your Internet provider.

You can disable all of these requesters with a checkmarked item in the

TCP/IP
display on the
Configuration screen
. If they are disabled,

the [NO] action will be assumed which each of the requesters.

Finally, a requester will be displayed that asks:

Do You Really Want to Quit?

Clicking on [YES] will terminate the program and [NO] will return to the program.

When AEMail exits, all messages marked for deletion will be deleted and any configuration files in which data has been updated will be re-written. You will probably see a great deal of disk activity at this time. While this disk activity is going on, a window will be displayed on the Workbench screen saying:

Updating all AEMail Configuration Files!

When updating is complete, this window will disappear. WARNING: DO NOT turn

your computer off while this window is being displayed. If you do your disk will be corrupted!

1.59 AEMAIL MENUS/Folders menu

Folders menu

The Folders menu consists of the following items:

- New...
- Edit...
- Delete...
- Set Sort Key...

1.60 AEMAIL MENUS/Folders menu/FOLDER MAINTENANCE

New...

The

Configure Folder window will be activated indicating that a new folder should be created. The Configure Folder window description details how to create a new folder.

Edit...

The Configure Folder window will be activated indicating that the current selected folder description should be edited. The current selected folder is the folder that has a depressed frame. You can change the selected folder by single clicking on the appropriate folder icon or selecting a folder from the

- folder list
- . See the description of the Configure Folder window for details on how to change the folder description.

Delete...

This will delete the folder that has been selected. You will not be able to delete a folder that has active messages in it. If there are deleted messages in the folder, the messages will be immediately deleted along with the folder. There is no way you can get these deleted messages back.

1.61 AEMAIL MENUS/Folders menu/SET SORT KEY

Set Sort Key...

Activates the Set Sort Key window for the current selected folder. See the description of the

Set Sort Key window
for details on how to set the folder

sort keys.

1.62 AEMAIL MENUS/Messages menu

Messages menu

The Messages menu consists of the following items:

Compose...
Reply...
Forward...
Select None
Select All
Save...
Copy...
Transfer...
Print
Delete/Undelete...
Display Full Hdr
Incl Hdr in Resp

1.63 AEMAIL MENUS/Messages menu/COMPOSE...

Compose...

Activates the

Compose Message window
to create a NEW message to be sent
whether or not a message is currently selected.

(see also the

Compose a Message
function)

Reply...

Activates the

Compose Message window
to reply to the current selected message.

If a message is not selected when this menu item is activated an error
requester will appear.

(see also the

Compose a Message
function)

Forward...

Activates the

Compose Message window
to forward the current selected message.

If a message is not selected when this menu item is activated an error
requester will appear.

(see also the

Compose a Message
function)

1.64 AEMAIL MENUS/Messages menu/SELECT...

Select None

This menu item will de-select all messages in the selected folder.

(See also

Message Selection
)

Select All

This menu item will select all messages in the selected folder. Selected messages will be marked with an asterick (*) in the first position of the message in the

message list
display.

(See also

Message Selection
)

1.65 AEMAIL MENUS/Messages menu/COPY

Copy...

This menu copies all

selected messages
from the
selected folder
to a new

folder. When you select this menu, a Notification window appears which says:

Select Folder to Copy Messages To!

[CANCEL]

When the window appears, click on the folder icon that represents the folder you want the messages copied to. The window will automatically disappear at that time.

The selected messages will be copied to that folder. Messages will remain in both folders.

Clicking on [CANCEL] before clicking on a folder will cancel the operation.

As the messages are being copied, the folder message list that the the messages are copied to will be displayed. Once the copy is complete, the folder message list from which the messages are copied will be displayed.

1.66 AEMAIL MENUS/Messages menu/TRANSFER

Transfer...

This menu moves all

selected messages
from the
selected folder

to a new folder. When you select this menu, a Notification window appears which says:

Select Folder to Transfer Messages To!

[CANCEL]

When the window appears, click on the folder icon that represents the folder you want the messages transferred to. The window will automatically disappear at that time.

The selected messages will be copied to that folder, and the messages in the folder from which the messages are copied will be marked as deleted

.

Clicking on [CANCEL] before clicking on a folder will cancel the operation.

As the messages are being transferred, the folder message list that the the messages are transferred to will be displayed. Once the transfer is complete, the folder message list from which the messages are copied and deleted will be displayed.

1.67 AEMAIL MENUS/Messages menu/DISPLAY FULL HEADER

Display Full Hdr

This is a checkmarked menu sub-item. When checked, all message headers will be displayed in the message. Since many of these headers are somewhat cryptic and could be confusing and not always understood by the user, the normal action is display only certain header lines. The default action is to display the following headers: From:, To:, Date:, Subject:, cc: and bcc:, but you can control this default minimum header list with the

General Parameters
display of the
Configuration screen

.

This menu sub-item is very useful for debugging purpose to see all of the headers what any particular message carries.

The current state of this checkmarked item is saved in the aemail.cnfg file

whenever the

Save Settings
item is selected from the
Project menu

.

It can also be set or reset by the General Parameters display on the Configuration screen.

1.68 AEMAIL MENUS/Messages menu/INCL HDR IN RESP

Incl Hdr in Resp

This is a checkmarked menu sub-item. When checked the minimum header lines (To:, From:, Date:, Subject, cc: and bcc:) will be included for the quoted message when composing a response. If it is not checked, no header information will appear.

The current state of this checkmarked item is saved in the
aemail.cnfg
file

whenever the

Save Settings
item is selected from the
Project menu

It can also be set or reset by the
General Parameters
display on the

Configuration screen

1.69 AEMAIL MENUS/Retrieve Msgs menu

Retrieve Msgs menu

The Retrieve Msgs menu consists of the following items:

From POP Host
From Local File...
Excl Dup Msgs
Delete Host Mail

1.70 AEMAIL MENUS/Retrieve Msgs menu/FROM ...

Retrieve Messages

From POP Host

This will only retrieve messages from the POP Server. See the

RETRIEVE MESSAGES

command a full explanation of the retrieval process.

If AmiTCP is not active or connection to the POP Server can not be made, the RETRIEVE MESSAGES command will return silently with the information that connection to the POP Server could not be made in the title bar.

From Local File...

This will only retrieve messages from a local file. No attempt will be made to connect to the POP Server. See the

Retrieve Messages from Files

command for a full explanation of the retrieval process.

This menu sub-item allows you to retrieve messages from files even when online (connected to a host through AmiTCP).

1.71 AEMAIL MENUS/Retrieve Msgs menu/CHECKMARKED ITEMS

Excl Dup Msgs

This is a checkmarked menu sub-item. When checked, duplicate messages (ones that were previously retrieved and stored in one of AEMail's folders), will not be stored. See the description under the

RETRIEVE MESSAGES

command for

the use and full explanation of the function of this item.

The current state of this checkmarked item is saved in the

aemail.cnfg

file

whenever the

Save Settings

item is selected from the

Project menu

.

It can also be set or reset by the

General Parameters

display on the

Configuration screen

.

Delete Host Mail

This is a checkmarked menu sub-item. When checked mail retrieved from your POP server will be deleted after it is retrieved. If it is not checked, mail will not be deleted and you will have to use the Excl Dup Msgs checkmark item discussed above to insure that a duplicate message are not saved the next

time you retrieve messages.

The current state of this checkmarked item is saved in the
aemail.cnfg
file

whenever the

Save Settings
item is selected from the
Project menu

.

It can also be set or reset by the
General Parameters
display on the

Configuration screen

.

1.72 AEMAIL MENUS/TCP/IP menu

TCP/IP menu

The TCP/IP menu consists of the following items:

Start Net

Stop Net

1.73 AEMAIL MENUS/TCP/IP menu/START NET

Start Net

This menu item starts

AmiTCP

. By default it executes the script

AmiTCP:bin/startnet; although the user may specify a different script
and path with the

STARTNET

Tool Type or in the

TCP/IP Parameters

display on the

Configuration screen

.

Unless AEMail is also started from AmiTCP:bin/, the user must make sure
that all calls within the startnet script contain full path names. This
is especially true of the online command which should read as
AmiTCP:bin/online.

When this menu item is selected, the system will, by default, switch to

the Workbench screen and execute the startnet script. This allows the initial AmiTCP window to display. Once AmiTCP is loaded and running, the system will switch back to the
AEMail screen
.

You can control the switching to the Workbench screen by a checkmarked item in the TCP/IP Parameters display on the Configuration screen.

If you are using a TCP/IP stack that does not have a Start Net script (such as

```
TermiteTCP
), and you have cleared the Start Net call gadget in the
```

```
TCP/IP parameters
section of the
Configuration screen
, starting your
```

Internet connection is then done manually. If you use this menu item, the action that is performed is to

```
iconify
AEMail. You can then perform the
network connection in what ever manner was provided by your TCP/IP stack
software. Once the connection is made, un-iconify AEMail.
```

At this point a connection will be made to your POP server to see if there are any messages available on the server. If there are, the following requester will appear:

```
n Messages Available on the POP Server
```

```
Do you wish to receive these messages now?
```

If you click on the [YES] button, those message will be retrieved at this point. See the

```
RETRIEVE MESSAGES
command in the
COMMAND ICON STRIP
for
```

details on this process.

If you click on [NO], no message retrieval will take place at this time. You will need to retrieve these messages later using the RETRIEVE MESSAGES command icon.

After AEMail checks to see if any messages are available on the POP Server, it also checks to see if any messages are in the QUEUED folder (messages queued to be sent). If there are, the following requester will appear:

```
You have n messages queued to be sent
```

```
Do you wish to send these messages now?
```

If you click on the [YES] button, all of the messages in the QUEUED folder will be sent immediately. If you click on [NO], the queued messages will not be sent.

After the connection is made, the following message will be displayed in the screen's title bar:

```
TCP/IP Session started with your-domain-name.
```

If for any reason the connection can not be made, the following message will be displayed in the screen's title bar:

```
TCP/IP connection to your-domain-name failed
```

1.74 AEMAIL MENUS/TCP/IP menu/STOP NET

Stop Net

This menu item stops

```
AmitTCP
```

```
. By default it executes the script
```

AmitTCP:bin/stopnet; although the user may specify a different script and path with the

```
STOPNET
```

```
Tool Type or in the
```

```
TCP/IP Parameters
```

```
display on the
```

```
Configuration screen
```

```
.
```

Unless AEMail is also started from the AmitTCP:bin/ directory, the user must make sure that all calls within the stopnet script contain full path names. This is especially true of the offline command which should read as AmitTCP:bin/offline.

When this menu item is selected, the stopnet script will be executed quietly in the background. Since no action is required by the user (unlike startnet

```
),
```

the screen display, by default, will remain on the AEMail screen.

You can change the default action so that it switches to the Workbench screen by a checkmarked item in the TCP/IP Parameters display on the Configuration screen.

If you are using a TCP/IP stack that does not have a Stop Net script (such as

```
TermiteTCP
```

```
), and you have cleared the Stop Net call gadget in the
```

```
TCP/IP parameters
```

```
section of the
```

```
Configuration screen
```

, stopping your Internet connection is then done manually. If you use this menu item, the action that is performed is to iconify AEMail. You can then perform the network disconnect in what ever manner was provided by your TCP/IP stack software. Once the disconnect is made, un-iconify AEMail.

Please NOTE: If you are using Miami as your TCP/IP Stack, you should also terminate Miami when you go offline. If Miami is still running, even though you are offline, Miami appears to still try to make the connection and you do not get an offline response until after a fairly lengthy timeout period.

Also NOTE: It is possible for both a Stop Net and Start Net script to be written for Miami that makes and stops your Internet connection since Miami has a fairly nice AREXX port; however, I have not attempted to do so as yet.

The following messages will be displayed in the screen's title bar when the connection is terminated:

TCP/IP session with your-domain-name terminated.

1.75 AEMAIL WINDOWS

AEMAIL Windows

AEMail has the following window displays:

- Folder List Window
- Message List Window
- Folder Configuration Window
- Set Sort Keys Window
- Address Book Window
- Message Display Window
- Compose Message Window
- Configuration Screen

1.76 AEMAIL WINDOWS/Folder List Window

One of the folders is always active (selected). On program startup, the active folder will be INBOX. You can always tell the current active folder by the depressed frame around the folder icon.

1.77 AEMAIL WINDOWS/Message List Window

Message List Window

The Message List window will be displayed in the lower portion of the screen whenever you double click on either an item in the folder list or one of the folder icons.

The Message List looks like the following:

```
=====
Message List for folder-name Folder (folder Description...)

FLGS Date      Time  From           Size Subject                (nnn messages)
-----
NARF MM/DD/YY HH:MM xxxxxxxxxxxxxxxx xxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | |
*NARF MM/DD/YY HH:MM xxxxxxxxxxxxxxxx xxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | |
. . . . .
NARF MM/DD/YY HH:MM xxxxxxxxxxxxxxxx xxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | |
=====
```

The column header line displays the number of messages in the folder as nnn messages.

The message descriptions are presented in a scrollable list. The meaning of the various fields of each message description are as follows:

FLGS: (starts in the 2nd column)
 N indicates an unread message
 A indicates a message has attachments (either MIME or UUENCODED)
 R indicates the message is a reply
 F indicates the message is a forwarded message.
 D (in the same position as N) indicates the message is a deleted message.

Date: This is the message date from the DATE: header in the form of MM/DD/YY (2 digit month, 2 digit day, and the last 2 digits of the year).

Time: This is the time the message was received in the form of HH:MM (2 digit hour, 2 digit minute). Time uses a 24 hour clock.

From: Is the Real Name (if present) from either the From: or To: header. If the folder represents messages being sent from AEMail (PENDING, QUEUED, SENT) then this field will be headed To and the To: header will be used. If the Real Name is not present in the header, then the UserID will be used instead. If a Nickname is being used for a message being sent, then the Nickname will appear.

Size: This is the size, in bytes, of the message in the form nnn,nnn. If the size exceeds 999,999 bytes then ***,*** will appear. The size includes the size of the message with all its attachments.

Subject: Up to 39 characters from the Subject: header after RE: and (fwd) are stripped. You can tell if the message is forwarded or is a reply by examining the FLGS field. RE: and (fwd) are stripped from the Subject: header to allow sorting to place all messages with the same subject (whether original, replied, or forwarded) together. You can also control where 'replied' and 'forwarded' messages go in the list since these use separate sorting criteria.

An asterick (*) in the first position indicates that the message is selected. This position will be blank if the message is not selected. See

Message selection
for how to do multiple selection of

messages.

The Message list can be sorted under a number of different categories (see

Set Sort Keys
window).

Double clicking on any message in the Message List will bring up the

Message Display
window for that message.

1.78 AEMAIL WINDOWS/Message Selection

Message Selection

A single click will highlight and select the message. An asterick will appear in the first column of the line indicating the message is selected. You can click on another message to highlight and select that message. Clicking on a message that is already selected will deselect the message.

Only one message is highlighted. If that message is selected it will be considered the current message for some operations (like

DELETE/UNDELETE MESSAGE

```

    ,
    SAVE MESSAGE TO FILE
    , and the message to
reply to, forward, or edit when
    composing messages
    .

```

Other operations such as DELETE/UNDELETE MESSAGE (depending on the option selected),

```

    COPY MESSAGE
    ,
    TRANSFER MESSAGE
    ,
    PRINT SELECTED MESSAGES
    ,

    SEND MESSAGE IMMEDIATELY
    , and
    QUEUE MESSAGE FOR LATER DELIVERY
    will use
the entire selected list of messages.

```

1.79 AEMAIL WINDOWS/Folder Configuration Window

Folder Configuration Window

The Folder Configuration window will be displayed over the entire screen below the top title line when either the

```

    New...
    or
    Edit...
    menu items
are selected from the
    Folders menu
    .

```

The Folder Configuration window looks like the following:

```

=====

Folder Name: [          ] (1 - 9 Characters only)

Folder Description: [          ]

Tab Color: [ @ | Red |

From/To Filter: [          ] AND [ ]
                OR [ ]
Subject Filter: [          ] AND [ ]
                OR [ ]
Date Filter: [          ]

[ ] Folder for Sent Messages [SORT KEYS]

```


[SAVE]

[CANCEL]

=====

If you are editing an existing folder, the Folder Name will be filled in, but the string gadget will be disabled. You will not be able to modify it.

If you are creating a new folder you must name it with a 1 to 9 character folder name. This will appear below the folder icon in the

Folder Strip
and in the
Folder List

.

The folder description can be up to 99 characters, but of course that many characters will never appear anywhere. Up to 52 characters will appear in the Folder List display under Description of Folder. This will also appear in the contextual help line in the window bar preceded by "Folder for".

The Tab Color is a cycle gadget with the following possible values: Red, Green, Blue, Yellow, Orange, Magenta, Brown, or Purple. This provides a color on the folder tab to help classify the folders according to the user's preferences.

The next 3 string gadgets are designed for filters to help distribute in-coming messages to various folders. THESE NOT IMPLEMENTED AS YET AND AT THIS TIME ARE DISABLED.

The checkbox gadget marked "Folder for Sent Messages" is used to indicate when a folder is for messages that have been sent or ready to be sent rather than in-coming folders. The PENDING, QUEUED, and SENT folders all have this box checked.

The [SORT KEYS] button is used to call the
Set Sort Keys
window to set
the sort keys for the folder.

Finally, you are given the choice of canceling the operation or saving the folder data in the
folder.config
file with the [CANCEL] and [SAVE]
buttons.

1.80 AEMAIL WINDOWS/Set Sort Keys Window

Set Sort Keys Window

The Set Sort Keys window will be displayed over the entire screen below the top title line when either the

Set Sort Key...
menu item from the

Folders menu
is selected or the [Sort Keys] button is clicked in the
Folder Configuration Window

The Set Sort Keys window looks like the following:

```

=====
          1          2          3          4          5          6          7
Priorities: -----
Un-Read Messages: FIRST [ ]      Messages with Attachments: FIRST [ ]
Priority [0]      LAST [ ]      Priority [0]      LAST [ ]

Replied Messages: FIRST [ ]      Forwarded Messages: FIRST [ ]
Priority [0]      LAST [ ]      Priority [0]      LAST [ ]

Latest Date:      FIRST [ ]      Largest Messages: FIRST [ ]
Priority [0]      LAST [ ]      Priority [0]      LAST [ ]

Group by FROM at Priority [0]      Group by Subject at Priority [0]

[ ] Order Received
--> at Priority [0]      [ ] Apply to all Folders
[ ] Latest Received

          [ USE ]          [ SAVE ]          [CANCEL]
=====

```

Messages in each of the folders can be displayed in various sort orders and each folder can have a different sort order. Up to seven levels of sort priority can be given. The various sorting criteria are shown on this window and a particular sort order can be given for any sort priority. The sorting criteria for any particular priority is selected by the priority cycle gadget under or opposite each criteria. A priority of 0 is used to indicate that this criteria is not used in the sort.

To help visualize which criteria applies to which priority a list at the top of the window shows the current position of any particular sort criteria in the priority list. With the exception of priority 0 (no priority), no two criteria can have the same priority. If this happens, **DUP** will appear for that priority in the priority list.

If you want the sorting criteria to be used for all folders check the Apply to all Folders box.

At the bottom of the window are the [USE], [SAVE], and [CANCEL] buttons. If you want the sorting to apply only to this AEMail session select [USE]. If you want to make the sorting criteria permanent, select [SAVE]. [CANCEL], of course, will abort the operation without setting any sort keys.

If this window was called from the
Folder Configuration Window
, selecting

[USE], [SAVE], or [CANCEL] will return you to the Folder Configuration Window.

For examples of setting sort keys see
 Examples of Setting Sort Keys

1.81 AEMAIL WINDOWS/Sort Key Examples

Examples of Setting Sort Keys

You may want your list of messages displayed in different orders in the

```

Message List Window
. This is the purpose of the
Set Sort Keys Window
.
  
```

Let's assume that you want your messages displayed with unread messages first. Within both the unread and previously read sections you want the messages sorted by the latest date first. To do this click on the Un-Read Messages: FIRST box and set the Priority underneath Un-Read Messages to 1. Then click on the Latest Date: FIRST box and set it's Priority to 2. Notice that as you change the Priority cycle gadget for Latest Date from 0 to 1 to 2, you will see *DUP* appear in priority 1 as the Date moves through the priority 1 position.

The final sort window for the above sorting priority will look like this:

```

=====
          1      2      3      4      5      6      7
Priorities: UNREAD  DATE  -----  -----  -----  -----  -----

Un-Read Messages: FIRST [X]      Messages with Attachments: FIRST [ ]
Priority [0|1|      LAST [ ]      Priority [0|0|      LAST [ ]

Replied Messages: FIRST [ ]      Forwarded Messages: FIRST [ ]
Priority [0|0|      LAST [ ]      Priority [0|0|      LAST [ ]

Latest Date:      FIRST [X]      Largest Messages: FIRST [ ]
Priority [0|2|      LAST [ ]      Priority [0|0|      LAST [ ]

Group by FROM at Priority [0|0|      Group by Subject at Priority [0|0|

[ ] Order Received
--> at Priority [0|0|      [ ] Apply to all Folders
[ ] Latest Received

          [ USE ]      [ SAVE ]      [CANCEL]
=====
  
```

When you are satisfied with the order click on [SAVE] to save this order for this folder only. If you want to use this order for all your folders click on Apply to all Folders before clicking on [SAVE].

Another example might have the messages displayed with unread messages first, followed by messages grouped by SUBJECT, and within the SUBJECT grouping, by the latest date received. This, in effect, creates a message threading condition with like subjects grouped together.

To create this sort condition, click on the Un-Read Messages: FIRST box and set it's Priority to 1. Then set the Group by Subject at Priority cycle gadget to 2. Finally click on the Latest Date: FIRST box and set it's Priority to 3. The final sort window for this grouping would be:

```

=====
          1          2          3          4          5          6          7
Priorities: UNREAD SUBJECT DATE ----- ----- ----- -----

Un-Read Messages: FIRST [X]      Messages with Attachments: FIRST [ ]
Priority [1|1|      LAST [ ]      Priority [0|0|      LAST [ ]

Replied Messages: FIRST [ ]      Forwarded Messages: FIRST [ ]
Priority [0|0|      LAST [ ]      Priority [0|0|      LAST [ ]

Latest Date:      FIRST [X]      Largest Messages: FIRST [ ]
Priority [3|3|      LAST [ ]      Priority [0|0|      LAST [ ]

Group by FROM at Priority [0|0|    Group by Subject at Priority [2|2|

[ ] Order Received
      --> at Priority [0|0|    [ ] Apply to all Folders
[ ] Latest Received

      [ USE ]          [ SAVE ]          [CANCEL]
=====

```

If you want the messages sorted with the earlier messages first within the subject grouping, you would click on Latest Date: LAST rather than Latest Date: FIRST.

Since the date sort is controlled by the local date and time that the message was SENT, you might want to use the Order Received or Latest Received instead of Latest Date. Order Received will list the messages with the oldest received first, while Latest Received will list the messages with the newest received first.

You, of course, can set different sort orders for different folders. In this case select the folder you want to change the sort order for and DON'T click on the Apply to all Folders checkmark gadget.

1.82 AEMAIL WINDOWS/Address Book Window

Address Book Window

The Address Book window will be displayed in the lower portion of the screen whenever you double click on the ADDRESS BOOK command icon or on the [Call Address Book] button in the COMPOSE MESSAGE window

If you have a non-interlaced screen (640 x 200), the display will cover the folder strip to allow more room for the Address Book display. With an interlaced screen (640 x 400) you will be able to see the folder strip

The Address Book window looks like the following:

```

=====
Address Book
=====

Nick Name: [          ] Real Name: [          ]

Address: [          ] Group [ ] Select [ @ | To: |

Nickname Real Name          UserID (Address)
-----
xxxxxxx xxxxxxxxxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | |
xxxxxxx xxxxxxxxxxxxxxxxxxxxxxxx DISTRIBUTION LIST                | |
                                     xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | |
                                     xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | |
-----

[ ADD ]      [MODIFY]      [DELETE]      [SELECT]      [ EDIT ]

=====
    
```

This window can be used to create, modify, or delete Address Book entries. It can also be used to select a Nickname to be used as a recipient of a message when composing messages.

Several of the Command icons remain active when you are displaying the Address Book window, although their meaning may be slightly changed. These are the DISPLAY NEXT MESSAGE icon, the DISPLAY PREVIOUS MESSAGE icon, the PRINT icon, the DELETE icon, and the COMPOSE MESSAGE icon.

The three fields of an address book entry are: a one to eight character Nickname, an individual's Real Name, and the address of the individual (UserID and Domain in the form userid@domain).

Group lists can also be created which distribute a message to a number of different individuals. The group is identified with the heading DISTRIBUTION LIST in the top most UserID field and the UserID's for the members of that list are shown in alphabetic order below that heading. For items in the distribution list, real UserIDs or Nicknames can be used. An item in the distribution list can even be another distribution list

identified by the Nickname for that group.

If a Nickname rather than a UserID is used in the group list Address field, then, if a modification is made to the UserID of the Nickname, you do not have to change the item in the Group list. The modification will be automatic when the group rather than the individual is selected.

When composing a message, a Nickname can be used to identify the recipient of a message. All Nicknames are expanded to Real Name and UserID when mail is sent.

Address Book entries are sorted by Nickname and group entries are interspersed with single entries. Also Real Names are presented as first name followed by last name rather than last name, first name.

For adding entries to the Address Book, the entries at the top of the window are used to place data in the various fields of the Address Book entry. If a message was selected when the address book was called, the Real Name: and Address: fields are filled in with information from the From: header of the message.

If you access the Address Book from the
Compose message window
during a

mailto:
call to AEMail, the userid from the mailto: will be placed in the address field. This allows you to assign a Nickname and Real Name to this address and save it in your Address Book.

If you click on one of the entries in the list view, that entry will be transferred to the Nickname:, Real Name:, and Address: fields at the top of the window. If you click on a group entry line which has the Group Nickname and DISTRIBUTION LIST in the address portion, only the Nickname: and the Group name (in the Real Name: field) will be transferred leaving any previous address in the Address: field. The Group box will also be checked. This facilitates adding items to a Group list.

When adding an entry to the address book, you must always enter a Nickname and Address. Real Name is optional, but recommended.

To add a group entry, the Group box must be checked. Groups need a Nickname and should have a group description entered in the Real Name: string gadget. Group entries are entered one at a time.

After correctly filling in the top portion of the window, click on the [ADD] button to add the item to the list. Except for group Nicknames, there can't be a duplicate Nickname when adding to the list. An already existing group Nickname will cause the entry to be added to that groups distribution list.

To modify an entry, the Nickname for the entry must already exist in the list. You can not modify Nicknames. If you need to do this, delete the old entry and add a new one. For individual entries, you can modify either the Real Name: or Address: fields. For group entries you can only modify the Real Name: field. If you need to modify an address in the distribution list, delete the old one and add a new one.

One of the reasons that Nicknames are preferred in distribution lists is that, if you need to modify a user's address, you can do so by simply modifying the individual's entry. The address in the group is then automatically updated by reference.

Selecting one of the entries in the address list will move the data from that entry to the fields at the top of the window. Make the modifications you want then click on the [MODIFY] button to make the modifications.

To delete an entry, select it in the list and then click on the [DELETE] button. You can also use the
DELETE icon
to do this.

The [SELECT] button is used to select an address from the Address Book and place it in the appropriate recipient's address line when composing messages. To determine which header field is to receive the address, the Select cycle gadget at the top of the window is used. There are three items for this gadget: To:, cc:, and bcc:. Determine which field should receive the address and then click on the [SELECT] button. The Nickname for the selected item is transferred to the appropriate field in the compose window.

You can avoid using the [SELECT] button if the Address Book was called from the

COMPOSE MESSAGE window
by double clicking on an item in the Address Book
list view.

If the Address Book was not called from the COMPOSE MESSAGE window, instead of double clicking, the

COMPOSE MESSAGE
command icon can be selected when in the
Address Book window. When this is done, the COMPOSE MESSAGE window is activated for composing a new message and the [SELECT] button does not have to be clicked.

The [EXIT] button is used to exit from the Address Book window without performing an address selection for a composed message. You will need to [EXIT] from the Address Book if you want to quit AEMail.

If the Address Book was called while displaying a message, clicking on the

DISPLAY NEXT MESSAGE
or the
DISPLAY PREVIOUS MESSAGE
icons will
automatically exit from the Address Book and display either the next or previous message in the currently displayed message list.

If the PRINT icon is selected while you are displaying the Address Book, you will get a printout of your complete Address Book. All individual entries will be displayed first followed by group entries. Unless a group is too large to fit on one page, an attempt will be made to ensure that a group will be printed in its entirety on a page.

NOTE: When AEMail is loaded it will automatically create an address book

any text type attachments. If the attachments are in BASE64 notation or are UUENCODED attachments, they will not be shown, but can be retrieved by clicking on the [ATTACHMENT] button. This will bring up an

```

        attachment requestor
        to request which attachment should be displayed
or saved. Messages that are encoded with "Quoted-Printable" notation will be
correctly displayed.

```

With the current version of AEMail, long text messages will take a long time to display. However, messages with long BASE64 (binary such as pictures and files) or UUENCODED attachments will not take as long to display, since the BASE64 or UUENCODED portion is bypassed when the message is displayed.

If the message is a large text message it is suggested that you save it to a named file (see

```

        Save Message to File
        ) and display it with another file

```

display program (such as MultiView, more, or the file readers in Disk Master, Directory Opus, or Disk Magic).

1.84 AEMAIL WINDOWS/Message Display Window/ATTACHMENT REQUESTER

Attachment Requester

When you click on the [ATTACHMENTS] button on the
Message Display Window

,
an Attachment Requester will be displayed. It looks like this:

```

=====
[o] Attachment List
=====
          MimeType/SubType          File Name
=====
| 1  SHOWN      text/plain          | |
|   Description: (None)             | |
| 2  VIEWABLE  image/gif           castle.gif | |
|   Description: Picture of a castle | |
| 3  SAVE ONLY application/octet-stream aemail.lha | |
|   Description: The AEMAIL archive  | |
=====

[  VIEW  ] [VIEW & SAVE] [  SAVE  ] [  EXIT  ]
=====

```

This requester is initially placed at the top center of the window partially obscuring the command and folder icons and the top portion of the message. You can drag the requester around the window to expose other items of the display. You can also use the scroll bar on the message display listview to show different parts of the message; however, none of the commands on the command or folder bar or the menu bar can be activated until after you click on the [EXIT] button in the Attachment Requester.

The SHOWN designation is used for any attachment that is displayed in the message window. This is generally any attachment that has a MIME type of text or message. Any message with attachments will generally have one section (the initial message) which is displayable text and will be shown as an attachment with the SHOWN designation.

UUENCODED attachments will have the designation UUENCODED displayed in the MIME types/subtypes field.

Any attachments that do not have a MIME type of text or message will have either a VIEWABLE or SAVE ONLY designation. The VIEWABLE designation is used for those MIME types/subtypes which have a program designated in the

mailcap
file for displaying this MIME type/subtype. If no program is designated for this MIME type/subtype the SAVE ONLY designator will appear on the attachment line and the [VIEW] and the [VIEW & SAVE] buttons will be disabled.

UUENCODED attachments are always SAVE ONLY attachments.

To select an attachment to view, view & save, or to save only, select the appropriate attachment line in the list view gadget. You can select the main description line (with number, mime type, and filename) or the second line with the Description: heading.

After selecting the attachment, the buttons below the listview will perform the following actions:

[VIEW]

This will display the attachment with the program you selected in the

mailcap
file for this MIME type/subtype.

If a program was not pre-defined for this MIME type/subtype this button will be disabled and you will not be able to display the attachment. You will also see SAVE ONLY rather than VIEWABLE on the description of this attachment.

[VIEW & SAVE]

A file requester will pop up which allows you to select a file to save your attachment to. The default directory designated to receive attachments is RAM;; however, you can change this with the file requester or set a different default with the

Default Path Parameters
display on the
Configuration screen

If a file name was provided in either the Content-Type: or Content-Disposition: headers, the file name will be shown on the attachment description and will be pre-set as the default filename in the file requester. You can, of course, change this

name if you wish.

After the file is saved, the attachment will be displayed with the program you selected in the mailcap file.

If a program was not pre-defined for this MIME type/subtype this button will be disabled and you will not be able to display the attachment. You will also see SAVE ONLY rather than VIEWABLE on the description of this attachment.

[SAVE]

A file requester will pop up which allows you to select a file to save your attachment to. The default directory designated to receive attachments is RAM;; however, you can change this with the file requester or set a different default with the

```
Default Path Parameters
display on the
Configuration screen
```

.

If a file name was provided in either the Content-Type: or Content-Disposition: headers or with the UUENCODED begin line, the file name will be shown on the attachment description and will be pre-set as the default filename in the file requester. You can, of course, change this name if you wish.

You will always be able to save any attachment even if it is SHOWN and a filename is not specified.

[EXIT]

After performing all the operations you wish for any particular attachment, click on this button to remove the Attachment Requester. This requester also has a CLOSE gadget which you can also use to exit from the requester.

1.85 AEMAIL WINDOWS/Compose Message Window

Compose Message Window

The Compose Message Window is brought up whenever you click on the

```
COMPOSE MESSAGE
command icon or select the
Compose...
,
Reply...
, or
```

Forward...
 sub-menus under the
 Messages menu
 . If a message is selected

when you click on the COMPOSE MESSAGE command icon it will act as a
 Reply to this message action.

The Compose Message window will cover the entire screen. You must proceed
 sequential through the actions or cancel to abort the compose operation.

The Compose Message window looks like this:

```

=====
                                TITLE
=====

    To: [                               ][CLR] [Call Address Book ]
Return To: [                             ][CLR] [Use Default UserID]
Subject: [                               ][CLR]
    cc: [                               ][CLR]
    bcc: [                               ][CLR]

    [ ] Quote Original Message Text   Quote Prefix[>      ]
Quote Header: [                             ]

    [ ] Add Signature Block           [Edit Signature   ]

                                [Add Attachments]

    [New Msg]   [ Edit ]   [ Reply]   [Forward]   [Cancel]
=====

```

The TITLE that appears on the Compose Message window will be one of the
 following:

```

Compose a new Message
Reply to a Message
Forward Message
Edit Message

```

Which title appears depends on the way the Compose Message window was called.
 Edit Messages appears if a message was selected from either the PENDING or
 QUEUED folders. Reply to a Message appears if a message was selected from
 an input folder (such as INBOX) and the COMPOSE MESSAGE command icon was
 selected or the Reply... sub-menu was selected from the Messages menu.
 Forward Messages appears if a message was selected and the Forward...
 sub-menu was selected from the Messages menu. Compose a new Message appears
 if no message was selected, if the Compose.. sub-menu was selected, or if
 a message in the SENT folder was selected.

Compose a new Message also appears if the Compose message window was activated by a

```
mailto: call
from a browser.
```

If either the Reply... or Forward... sub-menus are selected and a message was not selected, an error message appears. If Compose... sub-menu is selected, a new message will always be created. Likewise, messages cannot be replied to or forwarded from the PENDING, QUEUED or SENT folders.

The [Edit], [Reply], and [Forward] buttons will be ghosted except when the appropriate action is available to be performed as indicated by the window title. [New Msg] will never be ghosted which gives the ability to create a new message at any time.

When the Compose window first appears, if the message is a replied or forwarded message, the Subject: string gadget will be automatically filled in with the subject from the replied or forwarded message. RE: or (fwd) will also automatically appear in front of the subject.

If the message is a replied message, the To: string gadget will also be filled in with the From: real name and UserID of the message you are replying to.

Also, if the message is the result of a mailto: call, the To: string gadget will be filled in with the userid passed by the mailto: call.

You may enter names, either Nicknames or Real Names and/or UserID's, for any of the To:, cc:, or bcc: fields. If a Real Name and/or UserID is entered, it should be entered as

```
Real Name<userid@domain>           or
userid@domain(Real Name)          or
userid@domain
```

The domain can be left off if the recipient is at the same domain as the user.

If a Nickname is used it will be automatically expanded when the message is sent.

If multiple users are placed in any of the To:, cc:, or bcc: fields they must be separated by commas.

If the users you are sending the message to are in your Address Book, you can click on the [Call Address Book] button. This will call up your

Address Book

and you can select the user you want. Be sure and set the Select: cycle gadget to the appropriate field you want the name to be added to (To:, cc: or bcc:) and click on the [Select] gadget. The Nickname for the user will be automatically added to the appropriate field in the Compose window. If you make a mistake and the wrong name is added or it is added to the wrong field, you can use the backspace key to remove the offending Nickname or the [CLR] gadget to completely clear the field.

You can [Call Address Book] as many times as you want and the Nicknames

will be added to the appropriate fields. Multiple names in any field will be automatically separated by commas if this method is used for adding names to the fields.

You can also use the [Call Address Book] gadget to place the userid from a mailto: call into your Address Book.

The cc: field is used to send a "carbon copy" of the message to the people in the list on the cc: line. The cc: header will appear on the message sent to the To:, cc: and bcc: recipients. The bcc: field is used to send a "blank carbon copy" to the people in that list. The bcc: recipients will not be identified for any of the recipients of the message.

The Return To: field is used to place a Return To: address header in the message. Note that the Return To: header is not necessary in a message and is really only needed if error messages should be returned to another email address. If the Return To: address should be different than your UserID@Domain than place it here. If you click on the [Use Default UserID] button, your UserID@Domain will be placed in this field. If the Return To: field is left blank, no Return To: header line will be added to the message.

The [CLR] gadget to the right of the To:, Return To:, Subject:, cc:, and bcc: string gadgets allows you to easily clear the data in the appropriate string gadget.

If the message is a reply, the Quote Original Message Text box will be checked if you have selected this option in the

General Parameters
section

of the

Configuration screen

. You can un-check this box if you don't want

the original text quoted in the message (or check it, if the default action was not to include text). For all other types of Compose windows, this checkbox will be disabled.

The Quote Prefix: string gadget will indicate what is to be placed in front of each quoted line. This, by default, is >; however, you can add whatever you like here (such as the person's initials followed by : or >). You can also permanently change this field with the

General Parameters
section of the
Configuration screen

.

A Quote header: will be placed on the line in front of the quoted material. Currently, the default header which will appear in the Quote Header: string gadget is:

On &(week), &(date2), at &(time), &(name) wrote:

The & followed by a field name in parenthesis indicates substitution of data from the original message. The values that can be substituted are:

&(name) The Real Name of the sender of the original
message. If the Real Name is not available,
the sender's UserID will be used instead

- &(subject) The subject from the original message. Any RE: or (fwd) will be stripped.
- &(week) The day of the week that the original message was sent.
- &(date) The date the original message was sent in the form dd mmm yyyy, where dd is the day of the month, mmm is month in the form Jan, Feb, Mar, etc, and yyyy is the full 4 digit year.
- &(date1) Same as &(date).
- &(date2) The date in the form mmm dd, yyyy.
- &(time) The time the original message was sent in the form hh:mm xM where hh is the hour on a 12 hour clock, mm is the minute, and xM is AM or PM.

The Quote Header is designed to be modified by the user and can be changed with the string gadget. This change is only in effect for this message, however. You can permanently change the Quote Header with the

General Parameters
section of the
Configuration screen

.

If a

.signature file is present, the Add Signature Block box will be checked. If the .signature file is not present, this checkbox will be disabled. If you want to create or edit the .signature file, you can click on the [Edit Signature] button. This will call up your editor to allow you to create or edit the .signature file. After you have edited or created your signature file in your editor, save the file and exit from the editor. This will return you to the COMPOSE MESSAGE window and the Add Signature Block check box will now be enabled.

If you do not want the signature block placed at the end of your message, uncheck the Add Signature Block box.

Note: if the message is being edited, the Add Signature Block box WILL NOT be checked. This is done to prevent two signature blocks being added to the message. However, rather than disable this item, it is left to allow the user to add a signature block in the event one was not added to the original message or you selected [NEW] in the compose window.

The [Add Attachments] button brings up the
Add Attachments Requester

. This

requester allows you to add one or multiple files as attachments to your message. You can bring up this requester at any time. If it is brought up a second time, the old attachment information will appear in the attachment list. You can add to this information or delete entries as you desire.

If you decide that you do not want to compose a message after all, click on the [CANCEL] button to exit the COMPOSE MESSAGE window.

Otherwise, if all the correct information has been added in the COMPOSE MESSAGE window, click on the appropriate action button at the bottom of the window. [New Msg] will create a new message. You can also use one of the other buttons: [Edit], [Reply], or [Forward] if it is not ghosted. All but the [Forward] button will call up your editor to allow you to compose your message. [Forward] will forward the selected message to the indicated recipients without calling up the editor.

Special NOTE for edited messages: If the message you were editing had attachments, you must re-add these attachments BEFORE exiting from the COMPOSE MESSAGE window. Of course, if you forgot to add the attachments the first time, you can add them by editing the message.

In your editor window you will see the message header, which has been constructed from the COMPOSE MESSAGE window information followed by any quoted material and then your signature block (if requested). You can delete any material you wish from the quoted text and/or insert lines between quoted text.

Whether or not the header of a replied message is included in the quoted messages is controlled by the

Incl Hdr in Resp
submenu item under the

Messages menu

. If this item is checked the "Date", "To", "From:", "Subject:", "cc:", and "bcc:" headers will be displayed from the original message. If it is not checked, no header information will be included.

The amount of header information in the quoted message will also be controlled by the

Display Full Hdr
menu item in the
Messages menu

.

WARNING: when you start entering your message information, you must insure that one blank line follows the message header.

Special note for users of CED (CygnusEd Professional): The -sticky option must be used in order to force CED not to return until you save the file and quit the program. YOU MUST ALSO USE THE CED ACTIVATOR PROGRAM, ED, which has the same name as the standard Amiga Editor, Ed. The one difference is that the CygnusEd Ed can be found in the SYS:Utilities drawer rather than the C: drawer. Consult the CygnusEd documentation for details on how to do this.

Although the CED documentation indicates that -s can be used instead of -sticky it does not appear to work correctly with the latest version of the CED activator (it wants to load a file called '-s'). Also, when CED is invoked through ED with -sticky, the file is loaded as a read only file. This can be easily rectified by selecting Editable File from the Environment - File Settings menu in CED.

Other editors that have been used successfully with AEMail have been the AmigaDos editors Ed and Memacs.

A future version of this documentation will give some tricks and tips for using various various editors with AEMail.

1.86 AEMAIL WINDOWS/Compose Message Window/ADD ATTACHMENTS

Add Attachments Requester

When you click on the [ADD ATTACHMENTS] button on the
Compose Message Window

an Add Attachments Requester will be displayed which looks like this:

```

=====
[o] Add Attachments
=====

          Filename: [                               ] [DIR]
Attachment Description: [                           ]
    Content Type/SubType: [                           ]
                               =====
                               | text/plain           | |
                               | text/enriched        | |
                               | text/richtext        | |
                               =====
          Encoding: |@|           Plain Text           |

Mime Type/Sub-Type  FileName                      Encoding
=====
|                               | |
|                               | |
|                               | |
|                               | |
=====

[ ADD ]           [DELETE]           [ APPLY ]           [CANCEL ]
=====

```

The Filename string gadget should contain the FULL path name and filename of the attachment. Clicking on the [DIR] gadget will bring up a file requester which will allow you to select the appropriate file. The filename portion of this string will be used as the "file=" parameter of the Content-Type MIME header and as the "filename=" parameter of the Content-Disposition MIME header.

The initial directory that is chosen for the file requester is the directory that was set up in the Add Attachment from Directory string gadget in

Configuration: Default Path Parameters
. If you are adding multiple

attachments to the message, clicking on [DIR] will bring up the last directory that you used.

The Attachment Description is an optional string gadget for entering a description of the attachment. If present, this string gadget will create a Content-Description MIME header.

Content Type/SubType is a string gadget which contains the MIME Content Type/Subtype entry which will appear on the Content-Type MIME header. THIS IS A REQUIRED ENTRY UNLESS YOU ARE ADDING AN UUENCODED attachment. It is not used for UUENCODED attachments.

A scrolling list below this gadget is used to select an appropriate type/sub-type. Predefined type/subtypes, as defined in RFC 1341 and RFC 1521, are included in this list as follows:

```
text/plain
text/enriched
text/richtext
message/rfc822
message/partial
message/external-body
multipart/mixed
multipart/alternative
multipart/digest
multipart/parallel
application/octet-stream
application/postscript
image/gif
image/jpeg
audio/basic
video/mpeg
```

Also added to this list will be any additional type/subtypes added through the

```
mailcap file
and any type/subtypes encountered when displaying attachments
during THIS RUN OF AEMAIL. AEMail has no way to remember differing type/subtypes
that it encounters unless they are included in the mailcap file.
```

You can also add your own type/subtype by directly entering it in the Content Type/SubType string gadget. Unless the type/subtype is well known and published, you should pick one of the existing types (text/, message/, application/, image/, audio/, or video/) and use a subtype beginning with "x-". As an example, you might want to define an IFF image (not part of the mime published standard) as:

```
image/x-iff
```

It is suggested that you use a mailcap entry for image/x-iff to cause it to permanently appear in the list of Content Type/Subtypes. Attachments must be in the format you select. AEMail will do no conversion. As an example, if you select application/postscript, the file you attach should already be

in postscript format.

Also, `{i}`DO NOT use the following types/subtypes:

```
message/partial
message/external-body
multipart/mixed
multipart/alternative
multipart/digest
multipart/parallel
```

All of the multipart types are not supported except at the highest level (specifying the initial attachment list), and this is done automatically by the program.

The encoding cycle gadget has four states as follows:

```
Plain Text
Quoted-Printable
Encoded Binary
UUENCODED
```

Currently only the Quoted-Printable state is not effective. Quoted-Printable will be treated as Plain Text. While AEMail can handle retrieved messages that are in Quoted-Printable format, it does not convert composed mail and or attachments to that encoding format at this time.

Generally speaking Encoded Binary should be used for the following types:

```
application/
image/
audio/
video/
```

Plain Text should be used for:

```
text/
message/
```

UUENCODED should be selected if you want the attachment to be in UUENCODED format. You can not mix UUENCODED attachments with MIME attachments!

When a type/subtype is selected, the appropriate encoding format is automatically selected. Of course, you can change this with the cycle gadget if there is a need.

Once all of the attributes for any particular attachment are selected, click on the [ADD] gadget to add the attachment to the attachment list. If the Filename field or Content Type/Subtype field (other than for UUENCODED

attachments) is blank an error requester will appear indicating that you must have a valid entry in these fields. As many attachments as you want can be added to this list, but you can not mix MIME type attachments with UUENCODED attachments.

If you wish to delete any particular gadget, select the attachment from the list and click on [DELETE]. There is no way to modify attachment attributes once they have been added to the list. If you want to do this, first click on [DELETE], make the appropriate changes, and then click on [ADD].

Once you are satisfied with your attachment list click on [APPLY]. The Add Attachments Requester will disappear and the attachments will be automatically added to your message after it is composed.

If you decide that you don't want to add attachments after all, click on [CANCEL] and the attachments will not be added when you compose your message.

Clicking on the Close Gadget at the top of the window has the same effect as if you clicked on [CANCEL].

1.87 AEMAIL FILES

AEMAIL Files

The

aemail.cnfg

file is the main configuration file for AEMail and resides in the S: directory.

The following are the various files used by AEMail that reside in the AEMAIL: directory. These include the configuration files along with the message files.

folder.config

file: configures folders

[folder_name].config

file: configures message lists

Message

files: each individual message

.signature

file: your signature

.addrbook

file: address book entries

.headers

file: list of headers for minimum headers

The following two files may or may not reside in the AEMAIL: directory depending on the user's preference:

```

mailcap
file
TCP Trace Log File (
    TCPLOG
)

```

With the exception of the mailcap file, you can begin AEMail without any of the other files being present. They will be automatically created as you process messages or do other AEMail actions.

The mailcap file, if used, MUST be setup prior to executing AEMail. This can be done using any text editor or through the Installation process.

1.88 AEMAIL FILES/mailcap

mailcap file

The mailcap file is used to establish programs that should be executed to display MIME attachments. Use of this file allows AEMail to use any AmigaDOS operating system 2.1 or above.

The mailcap file is a standard Internet file which is specified in RFC (Request For Comment) 1524. Since it is standard, you can use a mailcap file that was created for another program that specified a display program for the same media type. That is the reason that AEMail allows you to specify the directory that contains the mailcap file with the

Tool Type

```

MAILCAP_DIR=
or the
Configuration Screen
. If you did not include

```

this Tool Type or change the specification in the Default Path section of

the Configuration Screen, the mailcap directory will default to the AEMAIL: directory.

AEMail only uses the two required fields of the RFC 1524 standard. Other fields are ignored at this time.

Each mailcap file consists of entries that describe the proper handling of one media type at the local site. A mailcap file consists of a sequence of such individual entries separated by LINE FEEDS. Blank lines and lines starting with '#' are considered comments and are ignored. Long entries may be continued on multiple lines if the line to be continued ends with a backslash character ('\'). In this event, multiple lines are to be treated as a single mailcap entry. Note that for such "continued" lines, the backslash must be the last character of the line to be continued.

Each mailcap entry consists of a number of fields each separated by a

semicolon (;'). The first two fields are required, and must occur in the specified order. The remaining fields are optional and may appear in any order. NOTE: At this time AEMail does not use these optional fields and if they are present, ignores them. Because of this, these optional fields WILL NOT be discussed in this documentation.

The general format of the mailcap entry is:

```
content type; view command [; .....] LINE FEED
```

The first field is the content type, which indicates the type of data this mailcap entry describes how to handle. It is to be matched against the type/subtype specification in the Content-Type MIME header (see the

```
        Add Attachment Requester
        which is part of the
        Compose Message window
    ).
```

If the subtype is "*", it is intended to match all subtypes of the named content type.

Examples of the content type field are:

```
images/gif
```

which is intended to match only the images/gif type/subtype whereas

```
images/*
```

matches all image types (images/gif, images/jpeg, etc).

The second field, view command, is a specification of how the attachment meeting the content type specification is viewed. For any particular operating system, this would indicate how the display program is called. For AEMail this would include the entire path name for calling the program and any parameters that are needed on the command line. A %s is used to indicate the substitution of the attachment name. The entire entry should be surrounded by quotes. As an example:

```
"sys:Utilities/multiview %s screen"
```

would call MultiView, placing the displayed attachment on its own screen (the screen parameter).

If you needed to have the display on the Workbench screen you can add the keyword `wb;` in front of the program path. As an example, if you wanted MultiView to open on a window on the Workbench screen, you could use:

```
"wb;sys:Utilities/multiview %s"
```

Note the use of the quotes (") surrounding the parameter. This is necessary so that the mailcap interpreter will be prevented from treating special characters (such as ;) as part of the mailcap syntax.

Also note the absence of the screen keyword. The above call would push the Workbench screen to the front when MultiView was called and the Workbench screen would be used for the MultiView window. The only problem with this is you would be limited to the number of colors and the resolution specified for Workbench. Some other programs, however, might only be able to open as a window on the Workbench screen and would be hidden by the AEMail screen when those programs were called unless the wb; parameter was specified.

An example of a complete mailcap entry to use MultiView to display all images would be:

```
image/*; "sys:Utilities/multiview %s screen"
```

Any image/ type, regardless of the subtype, would be displayed providing there was an appropriate data type present for that image subtype.

A

sample mailcap file

is included with the archive which uses MultiView

for sound, image, and video files. Since MultiView is a 3.x program using datatypes, this mailcap file will ONLY work with 3.x systems. To make it work for 2.x systems, you would need to change the display programs to your favorite programs that work with your system. You might also have to be specific as to the subtype for a specific display type/subtype. If you

install

AEMail

on a 2.1 system using the provided installation script, you will be able to create the mailcap file provided you selected Expert mode for the installation "user mode".

1.89 AEMAIL FILES/mailcap sample file

Sample mailcap file

This is the sample mailcap file used for AmigaDos 3.x that uses MultiView as the display agent. Please note the use of the screen parameter which tells MultiView to open on it's own screen rather than the WorkBench screen. This allows the use of all colors in the image's palette.

```
image/*; "sys:Utilities/multiview %s screen"
audio/*; "sys:Utilities/multiview %s screen"
```

```
video/*; "sys:Utilities/multiview %s screen"
```

1.90 AEMAIL FILES/aemail.cnfg

aemail.cnfg

The General Configuration file (aemail.cnfg) contains various configuration information including the version and revision number of the AEMail version that was last loaded. A special flag in this file indicates whether this file should take precedence over the Tool Type entries.

This file is placed in the S: directory rather than the AEMAIL: directory. The reason for this was that if you changed the location of the AEMAIL: directory, AEMail would not be able to locate the new configuration file the next time you loaded AEMail. Also, the S: directory is more commonly used to store configuration files for AMIGA programs.

If the configuration is never changed with the
Configuration Screen
, the

Tool Type
entries will take precedence unless the
Save Settings
menu

item under the Project menu is selected. If the [SAVE] gadget in the Configuration Screen is selected, the aemail.cnfg file will always take precedence. You can return to Tool Type precedence by selecting the

Re-set Settings
menu item in the Project menu.

If you display the aemail.cnfg file with a text editor, you will find that not all portions of the file are readable as text. The only way you can create and update the aemail.cnfg file is through AEMail itself. As part of this file is your password stored in encrypted format.

1.91 AEMAIL FILES/.headers

.headers

The .headers file provides a list of message headers. Those that you want displayed in the message as "minimum headers" are preceded by an asterick (*); all other headers are preceded by a space.

The .headers file may not be present. If it is not, the following are displayed as the "minimum headers":

```
Date:  
From:  
To:
```

cc:
bcc:
Subject:

See the discussion on configuring minimum headers in the
 General Parameters
section of the
 Configuration Screen
.

1.92 AEMAIL FILES/folder.config

folder.config

This file gives the general information about each of the folders including:

Flags (long word, 4 bytes): general flags concerning this folder
Name (9 bytes including ending NULL): short folder name
Pen (1 byte): pen number for folder tab
Sort Keys (8 bytes): the permanent sort keys for the folder
Folder Description (string ending in LINE FEED): the folder
 description. If this is a folder for one of the pre-set
 folders, this string will be empty (LINE FEED only) unless
 the user has decided to change the folder description.
From Filter (string ending in LINE FEED): NOT IMPLEMENTED AS YET
Subject Filter (string ending in LINE FEED): NOT IMPLEMENTED AS YET
Date Filter (string ending in LINE FEED): NOT IMPLEMENTED AS YET

For those fields that are strings: if the field is empty there will be a
LINE FEED with no data preceding it.

NOTE: if for some reason your folder.config file becomes corrupted or is
accidentally deleted, you can restore all of the folders and the messages
within them, providing a

 [Folder_Name].config
 file is present for the

folder, by doing the following:

delete any current folder.config file (or rename it so it is
no longer recognized).
Run AEMail. Add any additional folders that you previously
had added. (INBOX, PENDING, QUEUED and SENT will automatically
be created). You must use the exact name you had previously
used.
The new folders will show 0 messages.
Quit AEMail.
Re-Run AEMail. The new folders should now show the appropriate
number of messages provided a valid Folder_Name.config
file was present for that folder. The name of the new
folder must exactly match the Folder_Name in the
Folder_Name.config file.

1.93 AEMAIL FILES/@{i}Folder_Name@{ui}.config

Folder_Name.config

For each of the folders that contain messages there will be a configuration file which gives information on the messages in that folder. The name of the file will be the short folder name with ".config" appended to it.

For this version of AEMail, the Folder_Name.config file contains the following information for each message in the folder:

Message Flags (word, 2 bytes): Flags describing the message.
 File Code (long word, 4 bytes): this field is a binary field which is used to derive the file name for the message file itself.
 Message Size (long word, 4 bytes): size of message.
 Body Displacement (word, 2 bytes): the position where the body of the message starts.
 From (string ending in LINE FEED): the information in the From: field in the message header.
 Subject (string ending in LINE FEED): the information in the Subject: field in the message header. The RE: and FWD: headings at the beginning of the Subject header are stripped, but indicated by flags in the Message Flags field so that the exact subject field can be reconstructed.
 Date (string ending in LINE FEED): the information in the Date: field in the message header.
 To (string ending in LINE FEED): the information in the To: field in the message header.
 Return To (string ending in LINE FEED): the information in the Return To: field in the message header.
 cc (string ending in LINE FEED): the information in the cc: field in the message header.
 bcc (string ending in LINE FEED): the information in the bcc: field in the message header.

For those fields that are strings: if the field is empty, there will be a LINE FEED without any data preceding it.

1.94 AEMAIL FILES/.addrbook

.addrbook

This file provides address book information. Each record looks like this:

Count (word, 2 bytes): If this field is zero, the entry is a single user entry. If this field is greater than zero it represents a group entry and indicates the number of UserIDs in the group.
 Nickname (string ending in LINE FEED): the Nickname for this entry (both group or user).
 Real Name (string ending in LINE FEED{ui}): the Real Name for

individual users or the group description for group entries.

UserID (one or more strings ending in LINE FEEDS): The number of UserID fields is determined by the count at the beginning of the record. For individual users, this MUST be the UserID and Domain for that user. For group users this can be a Nickname that points to the real user.

For a description of how entries in the address book can be created and displayed see the

Address Book
window.

1.95 AEMAIL FILES/.signature

.signature

This is a flat ASCII file that contains the signature block that is to be appended to any composed messages. Each line of the signature block must end in a LINE FEED.

A facility is provided when composing messages to create and or edit this signature block (see the
Compose Message
window description).

1.96 AEMAIL FILES/Messages

Messages

Each message is stored as an individual file with a cryptic file name generated from the File Code in the

[Folder_Name].config
file. This name begins with

"AE" and ends with "M" with a number of numeric digits in between. The message is stored as a flat ASCII file as it is received from the POP Server with any CARRAGE RETURNS in a CARRAGE RETURN/LINE FEED sequence stripped. This follows the AMIGA format for ASCII files.

The complete message is stored along with any attachments as they were originally received. Any particular message can be copied to a named file anywhere in your system through the

SAVE MESSAGE TO FILE
command. If

you have an off line program that can process a MIME message or a message with UUENCODED attachments, you can use that program against this file to extract the attachments or you can save that attachment directly with the

Attachment Requester
in the

Message Display Window

.

PLEASE NOTE: if the Folder_Name.config file is deleted you will lose all capability of retrieving your messages unless you have previously copied them to named files.

1.97 AEMAIL FILES/TCPLOG

TCP Trace Log File (TCPLOG)

This file is present if you have specified

 TCPLOG=name-of-log-file

in the

 Tool Types
 parameters or named a TCP Logging File in the

 Default Path Parameters
 section of the
 Configuration screen

. Since

name-of-log-file must be the full path name of the log file, this file may or may not reside in the AEMAIL: directory.

The TCP Trace Log File traces every TCP transaction. Each time AEMail is started the following record is written to the file:

 Logging Beginning at dd mmm yy hh:mm:ss

where dd is the day of the week, mmm is the month (Jan, Feb, Mar, etc), yy is the 2 digit year (96) and hh, mm, and ss are the hour (24 hour clock), minutes, and seconds.

Each logging record will consist of a 38 byte header and up to 82 bytes of either descriptive information or actual data received or sent over the TCP interface. The header consists of a 21 byte date/time stamp (dd mmm yy hh:mm:ss) and a 16 byte routine name of the routine in AEMail that called the trace.

If data is displayed, instances of a CARRAGE RETURN will be displayed as <CR> and of LINE FEEDS as <LF>. If the data exceeds 82 bytes, <---> will be placed at the end of the line.

When AEMail terminates, or the TCPLOG file name is changed by the Configuration screen, the following record is written to the file:

 Logging Ending at dd mmm yy hh:mm:ss

Each AEMail session is stacked behind the previous one, so that any single TCPLOG file can become quite large. Periodic purging of the file can occur by deleting the TCPLOG file in between sessions of AEMail. Also, a new file

is created when you change the name of the TCPLOG file with the Configuration screen.

1.98 BUG REPORTS & SUGGESTIONS

Bug Reports and Suggestions

Bugs should be reported to:

jzachar@calweb.com

by email. You can also use the nickname AEMAIL which has been automatically stored in your

address book

.

In reporting bugs, be as complete as possible in describing the circumstances leading up to the bug. It would be helpful if you indicate all actions (mouse clicks, etc) that you took before the problem occurred. If you are having problems connecting to your Internet provider, or sending or receiving mail, you should activate the

TCP Log file

and send a copy of the log as an attachment to your message. You might want to block out any password that is contained in the file before you send it to me, however. You can do that with any text editor.

I would also appreciate any suggestions that you have for improving AEMail. I will not guarantee that I will accept all suggestions or that I will necessarily implement them in the next release; however, I do take each suggestion seriously. In the past I have implemented a number of suggestions made by my testers. I will attempt to respond to each suggestion that is made.

In making suggestions keep in mind some of the restraints that I have placed on AEMail: (1) The program should be able to be run on any version of AmigaDos 2.1 or greater, and (2) with the exception of TCP/IP stack software (the standard Amiga does not come with such software), AEMail should not require any extension to your system that does not come with a standard AmigaDOS release. This effectively rules out MUI. Using an editor of your choice meets this criteria since you can use the standard AmigaDOS editors, ED or MEMACS, which come with the standard AMIGA systems.

When reporting bugs or making suggestions, please be as complete as possible in describing the circumstances that brought about the problem or how the suggestion could be implemented.

1.99 REVISION HISTORY

REVISION HISTORY

Version 1.10 Released September 29, 1996. The following bugs have been corrected (includes bugs corrected with Versions 1.04 a, b, and c.):

Corrected bug caused by multiple line SMTP responses. This would result in a "hang" when trying to send messages.

Prevents a GURU (8000005 - Divide-By-Zero error) from occurring when AEMail was unable to determine the size of a message that was being retrieved from the POP Server.

Corrected a bug in which not enough memory was being allocated for error message requester displays. This caused a GURU after the error message was displayed.

When a group address book entry had an actual UserID rather than a Nickname for one of it's addresses, the entire group was not sent.

A guru or freeze occurred when reading certain messages. These messages had an incomplete Content-Type: header.

Some requester windows had overlapping fields when a large Screen Text font was used.

If you tried to change your .signature file after you composed a message, you could not save your .signature file (the .signature file was left open).

If you composed a message without an ending Carriage Return and you added attachments, the attachments were not correctly recognized. AEMail now forces a Carriage Return before attachments are added to the file.

Headers were not being printed when you printed a message.

Did not properly decode quoted-printable Content-Transfer-Encoding.

Times from 12 noon to 1 PM and from 12 midnight to 1 AM were incorrectly displayed. Changed from 0:xx PM to 12:xx PM and from 0:xx AM to 12:xx AM.

Changed install script so that it does not require AmiTCP: assign or TermiteTCP environmental variable at the Novice level. If the AmiTCP: assign is not present, AEMail will be installed in a AEMAIL directory on your largest disk partition. Also corrected some problems with install script.

Did not save default Save Attachment Path in AEMail.cnfg file.

For enhancements see

Version 1.10 Enhancements

.

Version 1.04c Limited release on September 11, 1996.

Corrected bug caused by multiple line SMTP responses.

Version 1.04b Limited release on September 4, 1996.

Corrected divide-by-zero error with progress indicator.

Version 1.04a Limited release on September 2, 1996.

Added the time zone capability and corrected a number of bugs.

Version 1.03 Released August 28, 1996

Corrects bug in which clicking on a folder after the folder strip was slid to the side selected the wrong folder. This occurred when more folders were present than could fit on the display. The correction of this bug was considered important enough to immediately release this version.

Corrected a bug when messages that were not read were transferred to another folder. The number of unread messages on the folder strip was incorrect. Also, if you delete a message that was unread, it will reduce the unread count for that folder (the total message count still includes messages marked for deletion). If you undelete a message that was never read, the unread count will increase.

Version 1.02 Released August 25, 1996

Major bug found and corrected! When sending email there was a problem with parsing the email addresses of the recipients of the message which could cause the system to freeze or guru.

Made minor changes to accomodate TCP/IP stacks other than

AmiTCP
, but which are compatible with AmiTCP. Tested with

TermiteTCP
and
Miami

.

Added arguments when invoking AEMail from the shell. This was to allow AEMail to be used as a mailto agent with several Amiga web browsers. Tested with

Voyager
and
AWeb

.

Consult
USING AEMail AS A MailTo AGENT
for how to
implement this feature.

Set default editor to C:ed.

Made changes to install script to create an easier
installation.

Corrected bug when Text Attachments had lines longer than 100
characters.

Changed Start Net and Stop Net menu items to provide for
starting and stopping the network connection when your
TCP/IP does not provide an automatic way to start or stop
the Internet connection (signing onto your provider). See
the
TCP/IP Parameters
Section of the
Configuration screen
on how this function works.

(some of the above changes were in the 1.01 release)

- Version 1.01 Released August 5, 1996
- Limited release incorporating some changes for TermitTCP.
- Version 1.0 Released July 24, 1996. First BETA release.
- This is the first public version of AEMail released at the
Sacramento Amiga Computer Club meeting. The release includes
the complete AEMail package including an installation script
and documentation in AmigaGuide (MultiView) format.
- Version 0.06 Released July 8, 1996
- Implemented expanded configuration windows.
- Added feature in which AEMail periodically checks for
mail on your POP Server.
- Added the "Iconify AEMAIL" feature and the menu item that
supports it.
- Version 0.05 Released June 18, 1996
- Added UUENCODED attachment support.
- Added "Change Password" capability to main "Configure" window.
-

Added requirement that minimum configuration data be entered prior to starting AEMail.

Added QUEUED message check at program startup and when StartNet script is executed.

Added POP message and QUEUED message check at program termination.

Version 0.04 Released June 2, 1996

Added the "About" menu item.

Added the delete folder menu item.

Implemented the printing of messages with your preferences printer.

Added "Progress" Windows to both the Send Message and Receive message processes.

AEMail now automatically recognizes whether it is connected to your Internet provider on program startup.

A Tool Type was added (AUTOCONNECT=YES) which automatically executes the StartNet script at program startup.

Added check to automatically to see if any messages are currently available on your POP server at program startup or when the StartNet script is executed.

Version 0.03 Released on May 21, 1996

Added the "Startnet" and "Stopnet" menu items under a new "AmiTCP" menu and added the Tool Types to specify the calls for the STARTNET and STOPNET scripts.

Added the Configuration screen activated by the "Configuration" menu item under the PROJECT menu.

Version 0.02 Released on April 20, 1996.

Added MIME support for attachments.

Version 0.01 Released on March 20, 1996. First ALPHA version.

This initial version could handle sending and retrieving text messages only; no attachment capability was present. Certain features were not yet available and configuration was by Tool Types only.

1.100 VERSION 1.10 ENHANCEMENTS

Version 1.10 Enhancements

Version 1.10 of AEMail incorporates a number of enhancements and revisions suggested by users. These include:

- o Added time zone support. This was both a "bug", in the sense that it was overlooked in the earlier version of AEMail, and an enhancement. Consult
 Setting the Time Zone
 for how to setup your
 local time zone.
 - o A window is now displayed when
 exiting AEMail
 which informs you
 that AEMail is updating it's configuration files. If you had
 turned your computer off before this update was complete, you
 would have corrupted configuration files.
 - o Eliminated the
 Delete/Undelete
 Verification Requester. This
 requester seemed unnecessary since you could always "undelete"
 a message you deleted by mistake.
 - o The
 Copy
 and
 Transfer
 operations no longer require you to click
 on "Continue" to complete the operation. Instead, an informational
 window will be displayed with a "Cancel" button. Closing the
 window is automatic when you click on a folder. Clicking on
 "Cancel" will abort the operation.
 - o After a Copy or Transfer operation, the folder message list
 FROM which the messages were copied or transferred will be
 displayed.
 - o
 Printing
 has been enhanced to allow the user to print a list
 of messages in a folder and to print the contents of the Address Book.
 - o The
 Address Book window
 has been modified to include a number
 of new features including:

 The Nickname has been increased in size to 9 characters.

 The Previous and Next command icons are activated to exit
 from the Address Book and display either the previous or
 next message in a message list. This facilitates adding
-

addresses to the Address Book.

Double clicking on an address in the list view when the Address Book is called from the Compose window will immediately return to the Compose window transferring the Nickname of the appropriate Compose string gadget.

In the Address Book, when you click on a group's DISTRIBUTION LIST line, any existing address in the Address: string will not be destroyed. This facilitates adding addresses to the group.

- o Allowed messages in QUEUED folder to be edited

- o Remembers the last directory used when adding multiple attachments

Also allows you to establish a default path for adding attachments.

- o Sets an environmental variable called AEMail_dir during the install process which contains the directory AEMail was installed in to facilitate future AEMail updates.

For more information on these revisions and/or enhancements click on the appropriate links above.

1.101 IN CONCLUSION

IN CONCLUSION

As payment for receiving and using this initial BETA version of AEMail, I would like any bugs, comments, or suggestions reported to me. You can send me email at

jzachar@calweb.com

or use the AEMAIL Nickname created in your Address Book

See the

Bug Reports and Suggestions section for the reporting procedure.

If you give this program to anyone else to use and evaluate, please include the complete archive as distributed. This includes the AEMail program, the

installation script, and all documentation and readme files.

The complete archive is being posted on AmiNet and may be posted to any BBS. If it is posted to any particular BBS, I would appreciate it if the SYSOP of that BBS would send me an email message indicating the BBS it was posted to.

Future versions of AEMail are planned that will implement the following features:

- AREXX Support
- Filtering incoming messages to specified folders
- Asynchronous retrieval of messages from a POP server
- Asynchronous sending of messages to the SMTP server
- Faster message display routines
- Built in message editor
- Other features suggested by users

Whenever a new version of AEMail is available, I will email all "registered users" (see

Registration

) with notice of the new version and, possibly, an attachment with the new AEMail archive.

Thanks,

John Zacharias

1.102 REFERENCES

REFERENCES

A number of software packages are mentioned in this documentation. Details on how to obtain these packages are given below:

TCP/IP STACKS

AmiTCP A TCP/IP stack for use with the Amiga. AmiTCP is copyright (c) 1994, 1995 by Network Solutions Development, Inc.

AmiTCP was developed by Network Solutions Development, Inc., P.O. Box 32, FIN-02151 Espoo, Finland.

A demo 4.0 version is available on AmiNet sites in countries other than USA or Australia. It can also be found on many BBS's.

The commercial version is distributed by Village Tronic Marketing GmbH, Wellweg 95, D-31157 Sarstedt, Germany, and is available from many Amiga dealers and mail order houses.

World Wide Web home page for Network Solutions Development, Inc is:

<http://www.xgu.fi/biz/NSDI/>

email addresses: info@nsdi.fi
AmiTCP-Support@nsdi.fi
AmiTCP-Group@nsdi.fi

TermiteTCP A TCP/IP stack compatible with AmiTCP. This stack is very simple to install and configure. TermiteTCP is copyright (c) 1996 by Oregon Research, 16200 S.W. Pacific Hwy, Suite 162, Tigard, OR 97224.

This is a commercial product available at many Amiga dealers, mail order houses, or directly from Oregon Research.

World Wide Web home page for Oregon Research is:

<http://www.orres.com/~orres/>

email address: support@orres.com

Miami A TCP/IP stack compatible with AmiTCP. This stack is also very simple to install and configure. Miami is copyright (c) 1996 by Holger Kruse. It is currently shareware and is available at

<http://www.nordicglobal.com/miami.html>

on the WWW or it may be available on local BBS's. It is currently not available on AmiNet.

email addresses: kruse@nordicglobal.com
kruse@america.com

WWW BROWSERS

Voyager Copyright (c) 1995-96 by Oiver Wagner. Voyager 1.0 is available for download from AmiNet or the

<http://www.vapor.com/support>

WWW site. A commercial Version 2.0 is planned but is not available as yet.

email address: owagner@lsd.wupper.de

AWeb Copyright (c) 1996 by Yvon Rozijn. Published by Amitrix Development, 5312-47 Street, Beaumont Alberta, Canada T4X 1H9.

Both a public domain demo (AWEB) and a commercial (AWEB II) version are available. The public domain demo version can be found on AmiNet (AWeb v1.2b), many BBS's, or on the AmiTriX WWW site:

<http://www.networkx.com/amitrix/aweb.html>

The commercial version (AWEB II) can be obtained from
Amiga dealers or mail order houses.

email addresses: sales@amitrix.com
support@amitrix.com
