

AmigaElm

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REVISION HISTORY

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Contents

1	AmigaElm	1
1.1	AmigaElm Help	1
1.2	AmigaElm/Shareware Notice	2
1.3	AmigaElm/Presentation	2
1.4	AmigaElm/Introduction	3
1.5	AmigaElm/Command Keys	5
1.6	Command Keys/Information	8
1.7	Command Keys/Version	8
1.8	Command Keys/List of commands	8
1.9	Command Keys/Movement	9
1.10	Command Keys/Redisplay	9
1.11	Command Keys/Program	9
1.12	Command Keys/Search	10
1.13	Command Keys/Shell	10
1.14	Command Keys/Pipe	10
1.15	Command Keys/Display the current message	11
1.16	Command Keys/Specify new current message	11
1.17	Command Keys/Re-read folder	11
1.18	Command Keys/Resynchronize folder	12
1.19	Command Keys/Edit aliases	12
1.20	Command Keys/Bounce mail	12
1.21	Command Keys/Copy to folder	13
1.22	Command Keys/Change folder	13
1.23	Command Keys/Delete and Undelete	13
1.24	Command Keys/Edit mailbox	13
1.25	Command Keys/Forward	14
1.26	Command Keys/Group reply	14
1.27	Command Keys/Display header	14
1.28	Command Keys/Mail	14
1.29	Command Keys/Metamail -- MIME	14

1.30	Command Keys/Unread	15
1.31	Command Keys/Options	15
1.32	Command Keys/Print	15
1.33	Command Keys/Color Palette	15
1.34	Command Keys/Quit Elm	15
1.35	Command Keys/Reply	16
1.36	Command Keys/Save to folder	16
1.37	Command Keys/Tag message	16
1.38	Command Keys/Un-Tag messages	16
1.39	Command Keys/Write to file	17
1.40	Command Keys/Exit Elm	17
1.41	AmigaElm/Builtin Pager	17
1.42	AmigaElm/Configuration File	19
1.43	Configuration File/AnswerReturnReceipt	23
1.44	Configuration File/AnswerReturnView	24
1.45	Configuration File/RequestReturnReceipt	24
1.46	Configuration File/RequestReturnView	24
1.47	Configuration File/ShowFullHeader	24
1.48	Configuration File/ShowSignature	25
1.49	Configuration File/PrefixString	25
1.50	Configuration File/SentArchive	25
1.51	Configuration File/ReceivedFolder	25
1.52	Configuration File/AlwaysDelete	26
1.53	Configuration File/AlwaysKeep	26
1.54	Configuration File/FullName	26
1.55	Configuration File/Editor	26
1.56	Configuration File/SendMail, RMail, FromHeader	26
1.57	Configuration File/ReplyIntroduction	28
1.58	Configuration File/ForwardIntroduction	28
1.59	Configuration File/KeepBackup	28
1.60	Configuration File/Color	29
1.61	Configuration File/Buffers	29
1.62	Configuration File/StdFontName	29
1.63	Configuration File/StdFontSize	29
1.64	Configuration File/IntuiFontName	30
1.65	Configuration File/IntuiFontSize	30
1.66	Configuration File/PagerFontName	30
1.67	Configuration File/PagerFontSize	31
1.68	Configuration File/Pager	31

1.69 Configuration File/ReverseSorting	31
1.70 Configuration File/Shell	31
1.71 Configuration File/PipeDefault	32
1.72 Configuration File/SaveDirectory	32
1.73 Configuration File/FilenameOffer	32
1.74 Configuration File/TopDownScrolling	32
1.75 Configuration File/SigDashes	32
1.76 Configuration File/UseOwnScreen	33
1.77 Configuration File/WorkbenchToFront	33
1.78 Configuration File/ElmToFront	33
1.79 Configuration File/PubScreenName	33
1.80 Configuration File/ShanghaiWindows	34
1.81 Configuration File/PopPubScreen	34
1.82 Configuration File/DefaultPubScreen	34
1.83 Configuration File/Screen-Width	35
1.84 Configuration File/Screen-Height	35
1.85 Configuration File/Screen-TopEdge	35
1.86 Configuration File/Screen-LeftEdge	35
1.87 Configuration File/Screen-Interlace	35
1.88 Configuration File/Screen-DisplayID	36
1.89 Configuration File/OldLocking	36
1.90 Configuration File/NoSigOnReply	36
1.91 Configuration File/Sorting	37
1.92 Configuration File/PrintCmd	37
1.93 Configuration File/QuitEmpty	37
1.94 Configuration File/KeepEmpty	37
1.95 Configuration File/ReadContentLength	38
1.96 Configuration File/SendContentLength	38
1.97 Configuration File/MimeCoding	38
1.98 Configuration File/Signature	39
1.99 Configuration File/CancelledFolder	40
1.100 AmigaElm/Command Line Options	40
1.101 AmigaElm/Additional Features	43
1.102 AmigaElm/Aliases	44
1.103 AmigaElm/MIME	45
1.104 AmigaElm/How to install Elm	46
1.105 AmigaElm/Thanks, To-Dos, Known Bugs, Infos	48
1.106 AmigaElm/Disclaimer	49
1.107 AmigaElm/Author Info	50

Chapter 1

AmigaElm

1.1 AmigaElm Help

Amiga Elm v2, Copyright © 1991-1993 by Andreas M. ←
Kirchwitz

Presentation

What is Amiga Elm

Shareware Notice

Elm is not gratis

Introduction

Too hot to handle

Command Keys

Sticky fingers

Builtin Pager

Quick and fast

Configuration File

Build individual configuration

Command Line Options

Start Elm from CLI

Additional Features

More and more...

Aliases

Aliases

MIME (Multimedia)

Multipurpose Internet Mail Extensions

Installing

How to install Elm

Miscellaneous
Thanks, To-Dos, Known Bugs, Infos ...

Disclaimer
And now for something completely different

Author Info
About the Author

1.2 AmigaElm/Shareware Notice

I simply can't afford working on Elm just for fun...

This program is SHAREWARE.

As you know, this means that I would like to have some bucks if you use it frequently. Something like US \$10+ (emphasis on the PLUS :-)) will get you the latest updates of "Elm" directly from me (e-mail only) if you have no access to Usenet (alt.sys.amiga.uucp.patches) or Internet (Anonymous FTP), as soon as they are ready (more money probably means faster development). Anyway, you will be informed via e-mail when new versions are available. Of course, you also gain my favor - suggestions for improvements will be taken much more seriously from registered users.

The best (=cheapest) way to send money is cash. If this is illegal in your country (even for small amounts of money) I can offer you two bank accounts (giro transfer accounts). Notice: normally, remittance is very expensive!

Name of bank : Deutsche Bank (Germany)
Routing symbol: 100 700 00
Account number: 4701751

Checks and postal money orders must be payable in "DEM" (Deutsche Mark) !

For my e-mail/postal address refer to the
Author Info

And please, include YOUR e-mail address if you send me letters.

The binary of the evaluation version (I don't know if this is really necessary -- I do hate crippled software) maybe has some annoying things in it (try "r)epl'y" or "g)rou'p repl'y"), so if you use this program on a regular basis, you really should register. The registered version of Elm comes with the actual version of "amigaguide.library" and full C source. "Reply" and "group repl'y" will be uncrippled, of course.

1.3 AmigaElm/Presentation

This piece of software is
Shareware
!

```

AA          ii          EEEEEEE  lll
AAAA          EE  EE    ll
AAAA  mm  mm  iii    ggg  gg  aaaa    EE    ll    mm  mm
AA  AA  mmm  mmm  ii    gg  gg    aa    EEEE    ll    mmm  mmm
AAAAAA  mm  m  mm  ii    gg  gg    aaaa    EE    ll    mm  m  mm
AA    AA  mm  mm  ii    gggg    aa  aa    EE  EE    ll    mm  mm
AA    AA  mm  mm  iiii  gg  gg    aaa  aa    EEEEEEE  llll  mm  mm
                    ggggg

```

Amiga Elm, Copyright (c) 1991-1993 by
Andreas M. Kirchwitz

===== ←

(amk@zikzak.in-berlin.de)

based on hwr-mail by Heiko W.Rupp (hwr@pilhuhn.ka.sub.org)

Consequently, after becoming more and more disenchanted with the existing electronic mail facilities (dmail, amr, avm, am) I decided to undertake creating my own system.

In any case, the system should be useable without reading any of the documentation -- but you'll miss lots of nice features!

Any comments or problems with any of the documentation or the program itself are welcome; if you can't get electronic mail to me, please feel free instead to drop me a note via the overland

mail address
given below.

Amiga Elm was written with the "CygnusEd Professional 2.12" editor and successfully compiled with the "SAS/C 6" (old Lattice) compiler.

1.4 AmigaElm/Introduction

The Index (Main) Screen

=====

Upon entry to the program, the main screen will be displayed as below:

Mailbox is 'uumail:amk' with 15 messages [ELM2, SCREEN AmigaElm.1]

```
->  N      1   Apr 24   Larry Fenske   (49)   Hello there
      N      2   Apr 24   jad@hpcnoe    (84)   Chico? Why go there?
      D      3   Apr 23   Carl Smith    (53)   Dinner tonight?
      NU     4   Apr 18   Don Knuth     (354)  Your version of TeX...
      N      5   Apr 18   games        (26)   Bug in cribbage game
      AF     6   Apr 15   kevin        (27)   More software requests
           7   Apr 13   John Jacobs  (194)  How can you hate RUSH?
      U      8   Apr 8    decvax!mouse (68)   Re: your Usenet article
      L  F    9   Apr 6    root         (7)
      O     10  Apr 5    root         (13)   (none)
```

!=shell,|=pipe,+,-,<,>?,help,<n>=set current to n
 c)hange folder,C)opy,d)elete,e)dit,f)orward,g)roup reply,^G)oto last msg,
 m)ail,o)ptions,p)rint,q)uit,r)eply,s)ave,u)ndelete,w)rite,or e(x)it

Command: @

There are a number of things to notice about this, the main screen.

Most likely, on your computer the message currently "active" will be displayed in an inverse bar rather than being delimited by the two character arrow as here. It's nothing to worry about; displaying inverse video is just quite difficult on printable guides!

The first line on the screen (the screen title) always displays the name of the current folder, the number of messages in the folder, the current Elm version number, and the Elm public screen name.

The arrow ("->") or inverse video bar will always indicate which is the current message.

The first field that appears associated with each message is the status field. This can be blank (as with most of the ones above, or can have any combination of the following:

These characters signifies temporary status:

```
N      for a new message
O      for an old (i.e. not new but not read) message
D      for a deleted message
```

These characters signifies permanent status:

```
U      for urgent mail
L      for a logged message (i.e. written to a file or printed)
F      for a message that has been forwarded
A      for an answered (replied) message
B      for a bounced message
```

Continuing from left to right, the next field is the message number. For the

most part you can ignore these unless you want to quickly move to a specific message (as we'll see later).

The date associated with each message is typically the date the person actually sent the message.

The next field displayed indicates whom the message is from. Elm will try to display the full name of the person who sent the message, rather than the their return address or computer login. Some systems don't generate the correct headers, though, hence messages like numbers 2 and 8, where it's their return address.

The number in parentheses is the total number of lines in the message (without header).

The final field is the subject of the message. Notice that messages might have an empty or not have any subject, as in messages #9 and #10.

The maximum of messages displayed depends on the screen dimensions and size of the default system font. Further into the document we'll learn how to change "pages" in the folder.

The three line Menu display will always indicate the relevant commands. Some commands do not show up on the mini-menu because they are somewhat esoteric, but they do appear on the '?' help screen (can you find it there, though?).

Finally, the '@' character indicates where the cursor would be, awaiting your input.

The typical action at this point is to use the <return> or <space> key to read the current message, which will clear the screen and display the current message:

```
Message 1/15 from Larry Fenske                               Apr 24 '87 at 8:45 pm
```

```
                                Hello there
```

```
Dave,
```

```
    Just wanted to drop you a brief note to see what was going on with  
you this afternoon. Life here has been the usual fun and games...
```

```
Ah well, off to the great wilds beyond the desk!
```

```
                                Larry
```

1.5 AmigaElm/Command Keys

Before we go further with our example, however, let's look at all the functions available from the main screen:

```
!=shell  
,  
|=pipe  
,  
/=search  
,
```

```

+, -, <, >
,
?
,
help
,
<n>=set current

c)hange folder
,
C)opy
,
d)elete
,
e)dit
,
f)orward
,
g)roup reply
,
^G)oto last msg
,

m)ail
,
o)ptions
,
p)rint
,
q)uit
,
r)eply
,
s)ave
,
u)ndelete
,
w)rite
,or
e(x)it

```

That's not all, we have some menus for most of the functions. ↵

Menus are

activated by pressing the right mouse button down... naah, read your AmigaOS manual for that trivial stuff ;-). Of course, OS 2.0 only, hehe.

Folder	Message	Mail	Page	Miscellaneous
-----	-----	----	----	-----

Change

Display

Reply

Next

Shell

Reload

Goto... next

Group reply

Previous

Pipe

Resync

 previous

Forward

Redisplay

Palette

Edit

 number

Bounce

Alias

About

 pattern

Send new

Options

Quit

Tag/untag

Metamail

List commands

Exit

Untag all

Extra Program

Save

Save with header

```

Print

Delete

Undelete

Mark unread

-----
Note

```

Use the shifted command keys for reply, forward, bounce and group reply to get the whole message (with header) included in your message. By default only the message body (text) is included. Use shift for exit/quit to exit/quit quickly (without any confirmations).

1.6 Command Keys/Information

Key: <help>

If you have installed the Amiga Guide System correctly, Elm's manual will be loaded (with section "Command Keys" displayed). Amiga Guide is a help and on-line documentation system for the Commodore-Amiga computer. This package is available from CATS.

AmigaGuide needs to know where to find your databases (help files, documents etc); for that the environment variable "env:AmigaGuide/Path" exists. This variable contains the list of directory names that AmigaGuide will search through when it attempts to open a database. The directory names are separated by a space. Be sure that the unmodified "Elm.guide" file is located in one of these directories.

1.7 Command Keys/Version

Key: v

Some information about Elm (version), the
 Author
 and a
 Shareware
 notice.
 (needs reqtools.library)

1.8 Command Keys/List of commands

Key: ?

A short overview of all the possible commands and a very short description of each command.

1.9 Command Keys/Movement

Keys: +, k, <cursor-down>, 2 (keypad)

Move the current message pointer down to the next message (going to the next page if needed).

Keys: -, j, <cursor-up>, 8 (keypad)

Move the current message pointer up to the previous message (going to the previous page if needed).

Keys: <, <cursor-left>, 4 or 9 (keypad)

Goto previous page.

Keys: >, <cursor-right>, 3 or 6 (keypad)

Goto next page.

Key: ^G (ctrl-g), 1 (keypad)

Move the current message pointer to the last message in the folder. What the last message is depends on the sorting criterion.

Key: 1 (keypad)

Move the current message pointer to the first message in the folder. What the first message is depends on the sorting criterion.

The cursor keys will only work with AmigaOS 2.0 (or higher).
Movement via keypad works on all Amigas.

1.10 Command Keys/Redisplay

Key: <ctrl-l>

Redisplay the index screen. This should never be necessary, and it's a relict from my alpha tests for version 1.09 when running Elm on the workbench window and using the "Zoom" gadget. Redisplay is done automatically by default. But never say never :-)

1.11 Command Keys/Program

Key: \

This allows you to execute a predefined command without leaving the program. For historical reasons the default is a new shell ("newshell", see .elm/elmrc

Shell

) is fired up.

With AmigaOS 2.0 (or higher) you can make Elm's screen public to let newshell (or any other program) open its window on Elm's screen rather than on the Workbench screen. If so, you have to quit the shell before leaving Elm.

1.12 Command Keys/Search

Key: /

You're prompted for a DOS pattern (see your Amiga DOS manual). Starting with the current message Elm searches the mail folder (line per line) for that pattern. If any line matches your pattern Elm sets the current message to the first message where the pattern was found.

For example, the pattern "From: #?wusel#?" matches the first message sent to you by someone whose address contains the string "wusel".

You'll be informed if the pattern does not match at all.

For some special patterns Elm does an optimized search (no access to folder). These patterns have to start with header keywords like "From: <your pattern>" or "Cc: <another pattern>". This optimized search is very fast, but has a minor bug (some say it's a feature): those optimized patterns with header keywords only match occurrences of that pattern in the header. Matches in the mail body are not found. And never forget the space between header keyword (after colon) and pattern!

1.13 Command Keys/Shell

Key: !

This opens a new shell on Elm's screen. There's no need to make the screen public. Handles also multiple shells (with adapted dimensions and position) at the same time.

Works only under AmigaOS 2.0 or higher.

1.14 Command Keys/Pipe

Key: |

This command allows you to pipe the current message through a given command which defaults to

PipeDefault
from your .elm/elmrc file.

On every invocation you are asked to accept the default or modify the command. Elm remembers any modifications and on the next call it offers you

the previously entered command. Once you cancel this command Elm restores the pipe command to its default.

The pipe command may contain one "%s" which will be replaced by the name of a temporary file. For example:

```
You enter ...      What Elm does ...

"uudecode %s"      "uudecode t:a_temporary_file"
"uudecode -abc <%s -xyz"      "uudecode -abc <t:a_temporary_file -xyz"
"uudecode"        "uudecode <t:a_temporary_file"
```

It's not really a pipe. Elm copies the message to a temporary file and calls the user-defined command with that (absolute) filename as an argument or standard input.

Works only under AmigaOS 2.0 or higher.

1.15 Command Keys/Display the current message

Keys: (using a user-defined pager) <return>, <space>

When issued from the index (main) screen, it will display the first screen (page) of the current message; and then when issued while in the builtin pager (prompting "--More--" or something like that), it will page through the message to the end; and then when issued at the end of a message (when "End of Message" appears), it will bring you back to the index screen.

If you're using an external pager Elm starts it synchronously. While the pager is running, you cannot make any input to Elm. Quit your pager after reading the message and Elm jumps back to the index screen automatically. If your pager detaches itself from the cli -- BE CAREFUL.

WARNING: do not use any of Elm's functions before the pager has terminated.

1.16 Command Keys/Specify new current message

Key: <digit key/s>

When you type in any digit key Elm will prompt "Set current to : n", where 'n' is the digit entered. Enter the full number and terminate with <return>.

Note that changing the current message to a message not on the current page of headers will result in a new page being displayed.

1.17 Command Keys/Re-read folder

Key: @

Under rare circumstances it might be useful to re-read the current folder. Note: the current contents of the folder and the current status flags are not saved. Of course, the current status flags do not go lost on re-read.

Elm re-reads the folder automatically when it has been modified. Under AmigaOS 2.0 (or higher) Elm uses file notification to detect modification. This way the folder is re-read also if no user interaction is taken. Elm has a built-in delay of about 60 seconds before re-reading the folder to avoid trouble with a currently running sendmail which is delivering lots of mails.

If the user interacts on the index screen, Elm re-reads the folder immediately if it has changed. (AmigaOS 1.3 and 2.0)

1.18 Command Keys/Resynchronize folder

Key: \$

On more advanced systems, it's nice to start up the mailer in a window and let it sit in background unless new mail arrives which point it can be brought up to the forefront of the system and read.

In this case, the modified mail folder is saved not very often, so when your system crashes all modifications since last (re-) read of the folder are lost. To avoid to quit and start Elm again, this command lets Elm write the current folder back to disk (like "Quick quit", see below) and read it again (like it was started again).

1.19 Command Keys/Edit aliases

Key: a

This allows you to modify the current alias file (with a user configurable editor) at a single keystroke. Elm re-reads the alias file if it has been modified.

1.20 Command Keys/Bounce mail

Key: b

This "remails" mail to someone else in such a way as to make the return address the original sender rather than you. (The forward command is similar, but it makes the return address you rather than the original sender.)

Elm asks you for one or more destination addresses. Addresses are separated by a comma. Neither you can edit bounced mail nor you can append a signature to the mail.

1.21 Command Keys/Copy to folder

Key: C

This command copies the current message or the set of tagged messages to a folder. If there is anything in the folder currently the message or messages are appended to the end, otherwise the folder is created containing only the newly copied message(s). The prompt for this command is 'Copy to folder: '. A response of <return> cancels the command and returns the user to the system prompt. The usual filename metacharacters are available, too. That is, this command expands filenames with '=' (on first position) being your maildir directory ("uemail:" by default); i.e. "=dave" is expanded to "uemail:dave".

If you have installed the asl.library or reqtools.library, you can enter the name of the destination folder with a comfortable string requester. The default (starting) directory is "uemail:".

1.22 Command Keys/Change folder

Key: c

Specifying this command allows the user to change the folder that is currently being read. This is intended for perusal and reply to previously archived messages. The prompt is "Name of new folder: " and entering <return> cancels the operation, while entering a filename causes the program to read that file as the new folder, if possible. The usual filename metacharacters are available, too. That is, this command expands filenames with '=' (on first position) being your maildir directory ("uemail:" by default); i.e. "=dave" is expanded to "uemail:dave".

If you have installed asl.library or reqtools.library, you can select the name of the new folder with a comfortable file requester. The default (starting) directory is "uemail:".

1.23 Command Keys/Delete and Undelete

Key: d and u

Neither of these two commands have any prompts and indicate their action by either adding a 'D' to the current message index entry (indicating deletion pending) or removing the 'D' (indicating that the message isn't set for deletion).

1.24 Command Keys/Edit mailbox

Key: e

This allows you to modify the current mail file (with a user configurable editor) at a single keystroke. This is mostly useful for editing down

messages before saving them. Modifying headers should be done with extreme caution, as they contain routing information and other vital stuff for full functionality.

Note that Elm re-reads the folder if the folder has been modified; this operation can take a little while.

1.25 Command Keys/Forward

Key: f

Allows the user to forward the current message to another user. This copies the message into the edit buffer and allows the user to add their own message too. (See also bounce, above.)

1.26 Command Keys/Group reply

Key: g

Identical to reply below, except that the response is mailed to all recipients of the original message (except yourself).

1.27 Command Keys/Display header

Key: h

This command displays the current message with all headers intact. When you display a message with other commands, certain header lines are formatted and others discarded.

1.28 Command Keys/Mail

Key: m

Send mail to a specified user. The editor is invoked and the message can be composed.

1.29 Command Keys/Metamail -- MIME

Key: M (followed by 'r' or 'g')

Small hack for a "multimedia mail reply" to the sender of the current message. You can choose between normal (r, R) and group reply (g, G).

1.30 Command Keys/Unread

Key: n

Mark message as unread. If the message was new for this session the 'N' flag will appear again; else the message is marked as old (not read yet but not new for this session).

1.31 Command Keys/Options

Key: o

This full-screen display allows you to alter the settings of a number of parameters. It's self-documenting (where have you heard that before?) so isn't explained in too much detail here.

1.32 Command Keys/Print

Key: p

This allows you to print out (prt:) the current message.

1.33 Command Keys/Color Palette

Key: P

Allows you to change screen colors (if reqtools.library is installed). Changes are temporary and thus they cannot be saved.

1.34 Command Keys/Quit Elm

Quit, key: q

Quit Elm altogether. If any messages are marked for deletion, it will ask if you want them deleted. If there are read messages (not marked as new or old) in your folder, Elm will ask if you want them kept in the incoming mailbox.

Quick quit, keys: Q, ESC (or closing gadget)

This behaves similar to the 'q' command except that you are never prompted for answers to the message disposition questions. By default, if any messages are marked for deletion, they will be deleted without further inquiry. Read messages are kept in the incoming mailbox.

The default behaviour depends on
 AlwaysDelete
 and
 AlwaysKeep
 from
your .elm/elmrc file.

1.35 Command Keys/Reply

Key: r

Reply to the sender of the current message. A copy of the source message is copied into the edit buffer prepended with the prefix character sequence specified in your .elm/elmrc file.

1.36 Command Keys/Save to folder

Key: s

This command is like the 'copy' command (see above), except that the saved message is marked for deletion.

This command expands filenames with '=' (on first position) being your maildir directory ("uemail:" by default); i.e. "=dave" is expanded to "uemail:dave".

1.37 Command Keys/Tag message

Key: t

Tag (or untag) the current message for a later operation. Currently only print, write and save support this. Elm processes tagged messages in the order they were tagged.

See also

Un-Tag messages

.

1.38 Command Keys/Un-Tag messages

Key: T

Untag all previously tagged messages.

1.39 Command Keys/Write to file

Key: w

This command is like the 'copy' command (see above), except that the saved message is marked for deletion and the header of the message is not written to the specified file; so files created with this command cannot be used by Elm afterwards due to the missing header.

This command expands filenames with '=' (on first position) being your maildir directory ("uumail:" by default); i.e. "=dave" is expanded to "uumail:dave".

1.40 Command Keys/Exit Elm

Exit, key: x

This leaves Elm discarding any changes to the mailbox. If changes are pending (such as messages marked for deletion) a prompt is made to confirm discarding the changes. If confirmed, no messages are deleted and the statuses of messages are unchanged. That is, any messages that were new will remain new instead of being noted as old, and any messages that were read for the first time will be again noted as unread.

Quick exit, key: X

This leaves Elm in the quickest possible manner without even prompting about discarding the changes to the mailbox. No messages are deleted and the statuses of messages are unchanged. That is, any messages that were new will remain new instead of being noted as old, and any messages that were read for the first time will be again noted as unread.

1.41 AmigaElm/Builtin Pager

The Builtin Pager

=====

Now, back to our example. The builtin pager shows you each page of the message; it deals also with lines longer than the actual screen width. The pager offers you some additional choices which are equivalent to the corresponding functions from the index screen: Mail, Reply, Forward, Delete. But there's one more feature: Header. This command displays the current message with all headers intact. When you display a message with other commands, certain header lines are formatted and others discarded. Choose Header again to display the message from the beginning in the old manner.

(there's a flag in the configuration file for displaying headers; properly speaking, the Header command switches this flag)

If you want to redisplay the message from the beginning (like quit and then display) use the '^' key.

You can quit the builtin pager at any time with 'q' (quit) or 'i' (index). Both keys are equivalent. Also you can leave the pager with 'n' which returns to the index screen and puts the mark (horizontal inverse bar) on the next message.

Use the keys on the numeric keypad to browse through a file:
(or the index screen, respectively)

```

-----
|7      |8      |9      |
| 1st | Line | Page |
| Page | Up   | Up   |
-----
|4      |5      |6      |
|      |      |      |
| <nop>| <nop>| <nop>|
-----
|1      |2      |3      |
| Last | Line | Page |
| Page | Down | Down |
-----

```

Equivalents...

First Page:

```

^
<Alt> <Cursor Up>

```

Last Page:

```

e
<Alt> <Cursor Down>

```

Page Up:

```

<Backspace>
<Cursor Left>
<Shift Cursor Up>

```

Page Down:

```

<Space>
<Cursor Right>
<Shift Cursor Down>

```

Line Up:

```

-
<Cursor Up>

```

Line Down:

```

+
<Return>
<Cursor Down>

```

The scrollbar buffer for page/line up is unlimited.

When you are on the last page of the message, <space> and <return> are also valid keys to leave the pager and to return to the index screen. While <return> stays at the current message, <space> is equivalent to 'n' and moves the mark (horizontal inverse bar) to the next message.

When you are about to send of a message under the forward, mail, or reply commands (see above), a small menu of the following options appears:

Forget: This gets you out of sending a message you started. If you are in
----- send-only mode, the message is saved to the file specified in the
configuration variable

CancelledFolder
in .elm/elmrc.

Edit: Entering this command will allow you to edit the text of your message
----- again. At this point the .elm/elmheaders file is added to the text and
all aliases and recipients of a group reply are expanded.

Send: This sends the message as is without any further ado, except that the
----- signature (uulib:<user>.signature or uulib:.signature) is appended
to the message.

Send without signature: This sends the message as is without any further ado.

Multimedia: Toggles between MIME-compatible header (RFC1341) and normal mail
----- header (RFC822). Depends on

MimeCoding
for new mails. On

replies Elm "clones" the coding mode of the original message.

Also cycles thru all available Content-Transfer-Encoding modes.

BTW: The file \$HOME/.elm/elmheaders, uulib:<user>.elm/elmheaders or
uulib:.elm/elmheaders is always appended to your message header.

1.42 AmigaElm/Configuration File

The Configuration File

=====

Elm, like lots of other software on the Amiga system, has the ability to automatically read in a configuration file at each invocation. The file must be called elmrc and reside in the .elm directory located in your uulib: directory. It can have any of the entries below, in any order. If you are missing any entries, or if you don't have an .elm/elmrc file, the default

values (listed below for each option) will be used. Note that those options below designated with * can be altered using Elm via the o)ptions screen.

Elm tries to support multi-user; first it opens a configuration file named "\$HOME/.elm/elmrc" (\$HOME is a environment variable), if this fails it opens "uulib:<user>.elm/elmrc", where <user> is the name found in uulib:Config. If this all fails, Elm opens the file "uulib:.elm/elmrc" (<user> = "").

Same procedure is done with "uulib:<user>.signature", "uulib:<user>.elm/elmheaders", "uulib:<user>.elm/aliases" and all other user-dependent files.

The configurations file consists of a bunch of keywords and their values. Keywords begin in the first column and are seperated from their value by one or more white spaces (space or tabulator). It's not allowed to omit a value. Keywords and values are case-independent.

If you want to have white spaces in the value, surround it with double quotation marks. Thus, an empty string are two quotation marks with nothing between them. Please note, that it is NOT THE SAME to assign an empty string to a keyword and to omit a keyword completely.

There are lots of switches. "Yes" always turns a switch on (true), any other value turns it off -- of not explained otherwise.

For a better idea of how this all works, here's an example .elm/elmrc file with all keywords (and their defaults). While looking through it, notice that you can have lots of comments and blank lines for readability.

It's not recommended to use all keywords. Use only the ones which default value differs from your favorite setting.

Furthermore, do not rely on all default values. Most of them are out of date. They are made for beginners, and they make Amiga-Elm look like Unix-Elm.

Okay, now let's see what we have...

```
# example .elm/elmrc - options file for the ELM mail system
# (rename it to "<username>.elm/elmrc" for multiple users)
#
# Keyword ...           My favourite value ...
```

```
AnswerReturnReceipt
No
```

```
AnswerReturnView
Yes
```

```
RequestReturnReceipt
No
```

```
RequestReturnView
No
```

ShowFullHeader
No

ShowSignature
Yes

PrefixString
"> "

SentArchive
uemail:mail.sent

ReceivedFolder
uemail:mail.received

AlwaysDelete
Yes

AlwaysKeep
Yes

FullName
Andreas M. Kirchwitz

Editor
StartCED

ReplyIntroduction
Hi \$FIRSTNAME (\$NAME), in \$MSGID on \$DATE you wrote:

ForwardIntroduction
On \$DATE, \$NAME wrote:

KeepBackup
Yes

Color
3258 0 4095 2916

Buffers
20000

StdFontName
topaz-classic.font

StdFontSize
8

IntuiFontName
helvetica.font

IntuiFontSize
13

PagerFontName
courier.font

PagerFontSize
13

Pager
builtin

ReverseSorting
Yes

Shell
NewShell CON:////ElmShell/CLOSE/SCREENAmigaElm

PipeDefault
ucp:c/xudecode

SaveDirectory
ucp:archive/text

FilenameOffer
USER

TopDownScrolling
Yes

SigDashes
No

UseOwnScreen
Yes

WorkbenchToFront
No

ElmToFront
Yes

PubScreenName
AmigaElm

ShanghaiWindows
No

PopPubScreen
No

DefaultPubScreen
No

Screen-Width
1024

Screen-Height
1008

Screen-TopEdge
0

```
Screen-LeftEdge
0

Screen-Interlace
Yes

Screen-DisplayID
"NTSC:High Res Laced"

OldLocking
Yes

NoSigOnReply
Yes

Sorting
Natural

PrintCmd
copy % prt:

QuitEmpty
Yes

KeepEmpty
Yes

ReadContentLength
No

SendContentLength
Yes

MimeCoding
Quoted-Printable

Signature
uulib:.signature

SendMail
sendmail <$MSG

RMail
rmail <$MSG $TO

FromHeader
Yes
```

```
# end of .elm/elmrc
```

1.43 Configuration File/AnswerReturnReceipt

Default: No

If the sender has included a "Return-Receipt-To: <address>" in the message header, Elm will send back an acknowledge if the message was successfully read. Use with care, because normally "s(end)mail" handles it for you.

"Yes" turns this feature on, any other off.

1.44 Configuration File/AnswerReturnView

Default: No

If the sender has included a "Return-View-To: <address>" in the message header, Elm will send back an acknowledge if the message was successfully read.

"Yes" turns this feature on, any other off.

1.45 Configuration File/RequestReturnReceipt

Default: No

If you want to have an acknowledge if the receipt of a message has received this message, Elm adds a "Return-Receipt-To: <address>" to the message header, where address is the same like in "From: <address>".

"Yes" turns this feature on, any other off.

Note 1: Only works if the receipt's mail system supports it!

Note 2: It's a very BAD habit to have this feature always activated. You should use it only if you really NEED the acknowledgement. People tend to ignore messages from other persons who are over-doing it...

1.46 Configuration File/RequestReturnView

Default: No

If you want to have an acknowledge if the receipt of a message has read this message, Elm adds a "Return-View-To: <address>" to the message header, where address is the same like "From: <address>".

"Yes" turns this feature on, any other off.

Note: Most mail systems do not support this feature!

1.47 Configuration File/ShowFullHeader

Default: No

If you always want to see the full header of each message and not only some keywords (From:,Cc:,Bcc:,Subject:), set it to "Yes", any other value shows only a small reformatted header.

1.48 Configuration File/ShowSignature

Default: Yes

The message body (text) and the signature are divided by "-- \n" normally. Elm recognizes this and gives you the ability to hide signatures. If you want to see the signature, set value to "Yes", any other will suppress signatures.

1.49 Configuration File/PrefixString

Default: "> "

If you reply to a message, each line of the source text will be included in your new mail and prefixed with this string. If you do not want any prefix, set value to "". DO NOT OMIT THE VALUE!

1.50 Configuration File/SentArchive

Default: <none, do not save outgoing mail>

All outgoing mail is saved to a special archive. This archive is not meant to be a mail folder, so it should not be read by Elm. If you do not want to save outgoing mail, omit the value for this keyword or omit both (prefix line with '#').

1.51 Configuration File/ReceivedFolder

Default: "uumail:mail.received"

Where to save received and read messages to. If you quit Elm, all messages marked as read (not old, not new and not marked for deletion) may be saved to this folder. On exit Elm will prompt the user whether to save or not.

Elm does not move read messages to received folder if a folder name was specified via command line option. Instead messages will be kept in current folder.

See also

AlwaysKeep

.

1.52 Configuration File/AlwaysDelete

Default: Yes

If you quit Elm quickly ('Q'), all messages marked for deletion may be removed from the folder ("Yes") or not (any other value).

See also

AlwaysKeep

.

1.53 Configuration File/AlwaysKeep

Default: Yes

If you quit Elm quickly ('Q'), all read messages may be moved to the

ReceivedFolder
or may be kept in the incoming mailbox ("Yes").

See also

AlwaysDelete

.

1.54 Configuration File/FullName

Default: <ENV:Realname, and RealName from s:UUconfig/uulib:Config>

The full user name (real name) for outbound mail.

1.55 Configuration File/Editor

Default: "ed"

What editor to use for editing mails, folders etc. (if not in your DOS search path, use full (absolute) path). The editor should act synchronously (running in the foreground), that means it should not push itself to the background.

This entry replaces the value read from "ENV:Editor" (if any).

1.56 Configuration File/SendMail, RMail, FromHeader

Defaults:

```

SendMail  sendmail <$MSG
RMail     rmail  <$MSG $TO
FromHeader Yes

```

There are several versions of the 'sendmail' program which is called by Elm. Each of them has a different behavior in parsing the mailfile and the command line options. For example: Ingo Feulner's sendmail has no -R (realname) option but it allows to omit the -f option and to put the complete "From:" line into the mailfile. Matt Dillon's sendmail has serious problems with "From:" within the mailfile, but it allows -R option.

SendMail is used when normal mails are sent. A "real" sendmail expects all informations within the header of the message (given on standard input).

RMail (or sendmail -r) forces sendmail not to process headers; the destination address is given as argument. The message (given on standard input) must not be modified. Elm uses RMail when "bouncing" messages.

FromHeader specifies if you wanna have a "From: ..." line in the message header. Normally, you want that. But some sendmails (like Dillon's) cannot handle that case, instead they need a from-address as argument (option -f).

Recommended settings for Matt Dillon's sendmail (AmigaUUCP D):

```

SendMail  sendmail <$MSG -f $FROMUSER -R $FROMREAL
RMail     rmail  <$MSG $TO
FromHeader No

```

Recommended setting for Ingo Feulner's sendmail (AmigaUUCP Plus):

```

SendMail  sendmail <$MSG
RMail     sendmail -r <$MSG $TO
FromHeader Yes

```

Recommended setting for Kai Siering's sendmail (wusel UUCP ;-)
and any other sendmail:

```

SendMail  sendmail <$MSG
RMail     rmail  <$MSG $TO
FromHeader Yes

```

List of supported placeholders for SendMail:

```

$MSG      : name of file containing message (header + body)
$FROMUSER : user (account) name
$FROMREAL : user's full realname (must not be quoted!)
$FROMHOST : host name (without domain)
$FROMDOMAIN : domain name (don't forget the leading dot!)

```

List of supported placeholders for RMail:


```
$MSG      : name of file containing message (header + body)
$TO       : destination address
```

1.57 Configuration File/ReplyIntroduction

Default: "Hi \$FIRSTNAME,"

If doing a reply, Elm puts an introducing line for you in front of the quoted text. To give this automated process a more personal touch, some useful keywords are available (relating to the original message):

```
$FROM      : complete "From:" line
$ADDRESS   : e-mail address
$USER      : user (account) name
$NAME      : full real name
$FIRSTNAME : only the first name
$MESSGID   : message id
$DATE      : date
$NICK      : nickname (string between ` or ``, like
              "wusel" in "Kai 'wusel' Siering")
```

If Elm cannot find the corresponding fact (for example, the real name is missing in the original message) the keyword remains unchanged. Oh no, that's wrong... sometimes there's a (internal) fallback to other keywords.

It's allowed to use more than one keyword, e.g.
 "Hiya \$FIRSTNAME, in \$MSGID on \$DATE you wrote:"

1.58 Configuration File/ForwardIntroduction

Default: "On \$DATE, \$NAME wrote:"

Same as

```
ReplyIntroduction
, but for forwarded messages.
```

1.59 Configuration File/KeepBackup

Default: Yes

Elm makes a backup of the current folder in uumail: (appending ".o"), before saving the folder to the original file. If you wish to keep this backup - even if no error occurred while saving - set the value to "Yes", set it to any other value to delete the backup if the folder was written successfully to disk.

1.60 Configuration File/Color

Default: <workbench colors>

By default Elm uses the workbench colors (preferences) for its screen. You have to specify four colors (two bitplanes), which are equivalent to the ones given by the "palette" tool from Commodore's Workbench/Extras disks. Hexadecimal numbers must begin with "0x" (or "0X"), octal numbers with "0" and any other numbers are assumed to be decimal.

Example (my favourite color settings): 3258 0 0xFF 2916

1.61 Configuration File/Buffers

Default: 1024

Elm reads and writes very slowly. To speed up saving a little bit, you may allow Elm to allocate some extra bytes for buffered I/O. These extra buffers are used to put in the body of each mail, so for maximum speed increase the buffers must be big enough to hold your largest message body. Minimum buffer size is 1024 bytes.

Because of C's limitations ("int" for "fread()/fwrite()") buffers should not be greater than ca. 36000 bytes.

1.62 Configuration File/StdFontName

Default: topaz.font

Elm uses the "standard font" for the index (main) screen. To handle large subjects and as much messages as possible on one page you can choose a small font. At least 80x20 characters must fit on the screen.

Do not forget the trailing ".font" !

See also

StdFontSize

.

1.63 Configuration File/StdFontSize

Default: 8

Size of the "standard font". Under AmigaOS 2.0 (or higher) there need not exist a suitable file in the fonts: directory. The font will be scaled if needed.

See also

```
StdFontName
```

```
.
```

1.64 Configuration File/IntuiFontName

```
Default: topaz.font
```

The "intuition font" is used for window titles, requesters etc.
(see

```
standard font  
for details)
```

See also

```
IntFontSize
```

```
.
```

1.65 Configuration File/IntuiFontSize

```
Default: 8
```

Size of the "intuition font".
(see

```
standard font  
for details)
```

See also

```
IntFontName
```

```
.
```

1.66 Configuration File/PagerFontName

```
Default: topaz.font
```

The "pager font" appears within the builtin pager.
(see

```
standard font  
for details)
```

See also

```
PagFontSize
```

```
.
```

1.67 Configuration File/PagerFontSize

Default: 8

Size of the "pager font".
(see

standard font
for details)

See also

PagFontName
.

1.68 Configuration File/Pager

Default: <ENV:Pager, else builtin>

This entry replaces the value read from "ENV:Pager" (if any).
The value "builtin" forces to use the internal pager.

1.69 Configuration File/ReverseSorting

Default: Yes

By default Elm offers you the messages on the index screen in reverse order (newest first, oldest last). If you wish to see the oldest first and newest last (e.g. for mailing lists) set the value to anything else than "Yes".

See also

Sorting
.

1.70 Configuration File/Shell

Default: newshell

Not everyone uses hotkey utilities like AutoCLI or DMouse. The "shell" command starts an user definable command (need not has to be a shell). The idea is that you make Elm's screen public; so the shell (or any other application) can open it's window on Elm's screen (and not far away on the workbench). The program is run synchronously; use "run" if you want the program to run asynchronously.

This entry replaces the value read from "ENV:Shell" (if any).

1.71 Configuration File/PipeDefault

Default: <none>

The default string for Elm's
pipe command

.

1.72 Configuration File/SaveDirectory

Default: <current directory>

Default directory for the file requester when saving/writing messages. Once you have changed the directory within the file requester, Elm remembers it and will make that the default directory for further appearances of the file requester. If you cancel the file requester, Elm forgets about your selected path and will use the original default directory instead.

1.73 Configuration File/FilenameOffer

Default: USER

Default file name for the file requester when saving/writing messages.

SUBJECT : subject of the current message (without special chars)
FROM : complete "From:" line
REPLYTO : complete "Reply-To:" line (useful for mailing-lists)
ADDRESS : e-mail address
USER : user (account) name
NAME : full real name
MSGID : message id

1.74 Configuration File/TopDownScrolling

Default: Yes

In older versions Elm's internal pager scrolled bottom-up. This is (because of the console.device overhead) very slow on M68000 based machines. For higher scroll speed there is top-down scrolling which doesn't look as good as bottom-up but is much more faster.

Any other than "Yes" enables old-style bottom-up scrolling.

1.75 Configuration File/SigDashes

Default: No

Do we want dashes ("-- \n") above signatures?
(News 2.11 compatibility and convention)

Most AmigaUUCP programs expect the signature identification ("-- \n") within uulib:<user>.signature. This is different from most Unix programs but has become a standard on the Amiga.

1.76 Configuration File/UseOwnScreen

Default: Yes

Rather than opening its own screen you can make Elm opening its window on the workbench (or default public) screen. Under AmigaOS 2.0 (or higher) the workbench window will have a "zoom" gadget to "iconify" the window for later use.

1.77 Configuration File/WorkbenchToFront

Default: No

Before invoking the editor you can make Elm calling WBenchToFront() to bring the workbench screen to the front. This might be useful if your editor opens on workbench screen (instead of opening an own screen or appearing on Elm's public screen).

1.78 Configuration File/ElmToFront

Default: Yes

After invoking the editor Elm explicitly brings its screen to the front. If you do not want this feature set value to any other than "Yes".

1.79 Configuration File/PubScreenName

Default: AmigaElm

Under AmigaOS 2.0 (or higher) you can make screens public so that other applications can easily open their windows on YOUR screen rather than on the workbench.

Names of public screens must be unique. So Elm appends automatically a sequence number to the name. Thus, "AmigaElm" becomes "AmigaElm.1". If there is already a public screen with this name, Elm increases the sequence number. If this number becomes higher than 999, Elm quits with a warning.

NOTE: Do NOT use spaces (or tabs) within the name!

Example of using public screen names:

```
run elm screen=BonzElm
newshell con:////HaveFunWithElm/SCREENBonzElm.1
```

The shell now opens on Elm's screen instead of the default public screen (which is normally the "Workbench"). When you quit Elm you have to close all visitor windows first. But don't panic, Elm will ask you for it ...

1.80 Configuration File/ShanghaiWindows

Default: <current mode>

Under AmigaOS 2.0 (or higher) it's possible that an application with an own screen "hijacks" windows of other applications. To hijack windows your screen must be the default public screen (see DefaultPubScreen).

Shanghai works for all windows which were intended to open on the workbench screen. "Yes", if you want Shanghai.

Note: This is a system global mode!

1.81 Configuration File/PopPubScreen

Default: <current mode>

Under AmigaOS 2.0 (or higher) it's possible that a screen always comes to front if a window is opened on that screen. In my opinion it's very annoying, but one want to activate this mode with "Yes".

Note: This is a system global mode!

1.82 Configuration File/DefaultPubScreen

Default: No

Under AmigaOS 2.0 (or higher) there is always a default public screen. Normally this is the Workbench, but you can make any screen the default public screen. Any application that asks for no special screen will then open on this default public screen. This feature is enabled with "Yes".

1.83 Configuration File/Screen-Width

Default: -1

Width (in pixels) of the Elm screen (or workbench window).
Use "-1" for the default screen width (GfxBase->NormalDisplayColumns).

1.84 Configuration File/Screen-Height

Default: -1

Height (in pixels) of the Elm screen (or workbench window).
Use "-1" for the default screen height (GfxBase->NormalDisplayRows).

1.85 Configuration File/Screen-TopEdge

Default: 0

Top edge offset (in pixels) of the Elm screen (or workbench window).
(automatically sets bottom edge offset to the same value)

1.86 Configuration File/Screen-LeftEdge

Default: 0

Left edge offset (in pixels) of the Elm screen (or workbench window).
(automatically sets right edge offset to the same value)

1.87 Configuration File/Screen-Interlace

Default: No

If you want Elm to open an interlaced (flickering) screen set this value to "Yes", any other turns interlace off.
(set by default to the workbench's interlace mode)

NOTE: This keyword is obsolete for AmigaOS 2.0 (or higher).

Use

Screen-DisplayID
instead.

1.88 Configuration File/Screen-DisplayID

Default: <clone workbench>

With AmigaOS 2.0 there is a new way for setting the display mode of a screen. It's done with a special identifier, the "DisplayID". First you can assign a name (like to ones from the "ScreenMode" preferences program) to the value of this keyword. For example "NTSC:High Res Laced" (don't forget the quotes if there are spaces in the name). The names are case-sensitive!

If Elm cannot resolve the name it converts the string to a hexadecimal number. In this case the DisplayID must start with "0x" and must be a 32-bit hexadecimal number. Look at your includes <graphics/displayinfo.h> or <graphics/modeid.h> for further information.

If the given name/number is illegal, Elm aborts with a warning.

NOTE: The display names change from OS version to OS version.
AmigaOS 2.1/3.0 uses other names than old release 2.0!
(the ID number - of course - stays the same)

Don't forget:

Screen-Interlace
is obsolete.

1.89 Configuration File/OldLocking

Default: No

AmigaUUCP 1.16D (Matt Dillon) has introduced a new locking mechanism via the OwnDevUnit.library. This mechanism needs no more temporary files in the T: directory, so it's much more smarter and user-friendly (information hiding). Set the value to any other than "Yes" if you want the new locking and if you are absolutely sure that all your other applications are also supporting this locking method.

If you do not have installed the OwnDevUnit.library, Elm has an automatic fallback to the old locking style.

It's necessary that all applications use the same locking mechanism. Older versions of AmigaUUCP (like Ingo Feulner's AmigaUUCP Plus or all previous versions from Matt Dillon (<= 1.15)) are still using the old locking method with temporary files.

This keyword/value overrides the "ODULocking" setting from the system global configuration files "s:UUconfig" and "uulib:Config".

1.90 Configuration File/NoSigOnReply

Default: No

On replies (Subject begins with "Re: ") there should be no need to include the signature again and again. Your mail partner already knows your name, telephone number and mail accounts. The signature becomes redundant on replies. If you want to save bytes, set value to "Yes".

1.91 Configuration File/Sorting

Default: Natural

Normally Elm displays the messages on the index screen in natural order (as they reside in the mail folder). You may wish to change the sorting criterion. Currently the following modes are available:

```
NATURAL : original order in mail folder, arrival on system
SUBJECT : subject line without leading "Re: "
DATE    : date, not yet implemented -- use "Natural" instead
AUTHOR  : sender's real name
LINES   : number of lines (message body w/o header)
LENGTH  : number of bytes (message body w/o header)
```

See also

ReverseSorting

.

1.92 Configuration File/PrintCmd

Default: copy % prt: (already implemented? don't think so... ←
hmmm?)

This is very similar to the
pipe command
except that it is intended to
send the current (or tagged) message(s) directly to the printer or a special
filter program that reformats the text.

1.93 Configuration File/QuitEmpty

Default: No

By default Elm's screen comes up even if there's no mail for you (that means, the folder exists and has a length of null bytes). If you want Elm to quit automatically if the folder is empty, then set the value to "Yes".

1.94 Configuration File/KeepEmpty

Default: Yes

If (after saving) the incoming mailbox is empty (all messages deleted or stored in the given received folder) Elm will delete the empty (null bytes long) mailbox file. This makes it easier to check for new mails (if there's a file, there must be mail ;-)

If you want the empty mailbox file kept (null bytes) then set the value to any other than "Yes".

1.95 Configuration File/ReadContentLength

Default: No (not yet implemented)

Most modern mail systems add a "Content-Length: <#bytes>" header line to the mail header. It gives the total number of bytes of the message body (thus, not including the header). This mostly redundant information is very useful for a noticeable faster read-in of the folder because the body part of each message could be totally skipped and left uninterpreted. This tricky method has a minor disadvantage: the signature part of a message cannot be recognized, so there's no way to hide the signature within the builtin pager.

If you enable the feature with "Yes", the keyword "ShowSignature" will be automatically set to "Yes", too.

NOTE: Currently this setting is used to let Elm compare the calculated length of a message against the value from "Content-Length:" (header). If both values differ Elm prints a warning.

At this time "Content-Length:" is not reliable enough to base message separation on it. So use the warnings to make "Content-Length:" more reliable that it can be used in future versions.

1.96 Configuration File/SendContentLength

Default: No

Add a "Content-Length: <#bytes>" to all outgoing mail. This line contains possible useful information for some mail systems. If you don't care about some additional bytes it's recommended to enable this feature with "Yes".

Note: If you're using this feature, you MUST NOT edit any mails within the spool directory without recalculating the correct content length and updating the Content-Length header line.

Mails with incorrect Content-Length may be corrupted!

1.97 Configuration File/MimeCoding

Default: None

Elm supports different content transfer encoding types for outgoing MIME messages. Some modes are also understandable by old mail systems (which cannot handle MIME messages), other modes will need a MIME-compatible mail systems to be decoded correctly.

The following modes are available:

- NONE : No coding at all, no MIME specific header.
- 7BIT : Outgoing mail is guaranteed to be 7-bit-clean.
(no umlauts possible, 8th bit is stripped off)
- 8BIT : Full 8 bit (umlauts possible), but text lines must have "normal" length and all links between you and recipient have to 8-bit-clean.
- BINARY : Full 8 bit, no limit for line length, but links still have to be 8-bit-clean.
(absolutely useless mode in my opinion)
- QUOTED-PRINTABLE : Preferred mode for text mails with umlauts, all special chars (ctrl-chars, 8th bit etc.) are escaped. Mostly human readable even with mail systems not supporting MIME.
- Recommended to be default for all future mails!
- Because of its tricky encoding does not need to have 8-bit-clean links.
- BASE64 : Totally encoded, similar to uuencode/uudecode. Text is not human readable and grows in size about 33%. Perfectly suited for sending real binaries, because you don't need the extra uuencode/uudecode step.

Example:

Sender types "elm encode=base64 to_adr <bin_file"- and recipient only writes this message to a file using Elm's internal write w/o header functions. Decoding is done automatically.

When replying to a message and MimeCoding is unequal to "NONE" then Elm's use of MIME depends on the header of the original message. If the original has a MIME header then MIME is the default for the reply. If the original has no special MIME keywords then the default for the reply is no MIME.

1.98 Configuration File/Signature

- Default: (1) "<ENV:Signature>"
(2) "<\$HOME>/signature"
(2) "uulib:<user>.signature"

(3) "uulib:.signature"

The filename where Elm should read the signature from.

1.99 Configuration File/CancelledFolder

Default: <don't save cancelled messages>

The filename where Elm should save cancelled messages, if user selects "forget" in send-off menu, for example "uumail:mail.cancelled".

1.100 AmigaElm/Command Line Options

Command Line Options

=====

Usage: elm F=FOLDER/K,U=USER/K,S=SUBJECT/K,NE=NOENV/S,V=VERBOSE/S,
NA=NOARC/K,NZ=NOZERO/S,TO/K,SCR=SCREEN/K,ENC=ENCODE/K,
TERM=TERMINAL/S,MAIL_TO

Usage: elm [-f <folder>] [-u <user>] [-s <subject>] [-scr <name>]
[-enc <type>] [-a] [-e] [-v] [-z] [<mail_to>]

Unix style options:

```
$ elm -u postmaster -f dh0:important_mail
$ elm amk@zikzak.in-berlin.de
$ elm -v -e
$ elm -f [file-requester!]
```

"elm -ve" is not allowed, use "elm -v -e" instead.

Amiga style options:

```
$ elm user=postmaster folder=dh0:important_mail
$ elm amk@zikzak.in-berlin.de
$ elm verbose noenv
$ elm f= \
$ elm folder= > all equivalent [file-requester!]
$ elm folder /
```

"user=postmaster", "u=postmaster", "user postmaster" and "u postmaster" are all equivalent.

--- It's allowed to mix Unix and Amiga style options! ---

Available options:

F, FOLDER, -f <foldername>

Set folder to the following argument. If no argument is given a file requester pops up to ask you which folder you want. The behaviour of this option changes to previous versions of Amiga Elm, now this option only sets the folder (like Unix Elm) and nothing else.

U, USER, -u <username>

Set username.
This overrides S:UUConfig, uulib:Config and Env:UserName.
If Elm is invoked without a mail-to address and no additional option for a special folder, this option changes the name of the default folder to "uemail:<username>".

NA, NOARC, -a

Don't archive outgoing mail in SentArchive (though it's editable when sending mail interactively but totally ignored). Useful when sending binaries via redirection (eg, "elm enc=base64 noarc s=binary.lha amk@zikzak <binary.lha" or "uuencode binary.lha binary.lha | elm enc=none noarc s=binary.lha amk@zikzak").

NE, NOENV, -e

Don't read in any environment variables (except "NOMETAMAIL").

NZ, NOZERO, -z

Don't start Elm if folder is empty.
(empty means: length of null bytes, NOT non-existent folder!)
This overrides

```
QuitEmpty
from .elm/elmrc.
```

V, VERBOSE, -v

Be a little bit verbose.
Maybe helpful for hunting bugs or to make detailed bug-reports.

TERM, TERMINAL, -t

Start Elm in terminal mode. No intuition interface, instead pure input/output (ANSI/VT100) to the console window (stdin/stdout). Also meant for use via AUX: or a similar network environment. Use local environment variables LINES and COLUMNS to specify dimensions greater than 80x20 characters.

S, SUBJECT, -s <subject>

When sending off new mail (don't forget a mail-to address!) this set's a default subject (which is editable of course).

SCR, SCREEN, -scr <screen>

Set name of public screen.
This overrides
 PubScreenName
 from .elm/elmrc.

ENC, ENCODE, -enc <content-transfer-encoding>

Set mode for content-transfer-encoding.
This overrides
 MimeCoding
 from .elm/elmrc.

TO <mail-to address>

Special option to explicitly give a mail-to address.

Available modes:

There are three modes to start Elm. The first one is without a mail-to address (even not with the "TO" option). This mode lets Elm act as a normal mail reader. Elm will load a folder and let you browse through it.

Examples: "elm"
 "elm -u root -e"

The second mode is called the "send-only mode". This will allow sending of a single message to the specified recipient with all the options usually available in the Elm system itself. Elm puts you into an editor for you to enter the text of the message.

Examples: "elm amk@zikzak.in-berlin.de"
 "elm amk@cs.tu-berlin.de verbose"

The third mode is called the "redirection mode" or "non-interactive mode", because Elm will not prompt you for anything. Elm expects at least a mail-to address and a text file on standard input. It's not allowed to redirect from an interactive device/handler like CON:. This mode is very similar to the second mode, except that you cannot edit the contents of your mail. Elm will behave like a user-friendly front-end to sendmail.

Examples: "elm <s:startup-sequence amk@zikzak.in-berlin.de"
 "uuencode ram:wb21.lha wb21.lha | elm amk@fu-berlin.de"

Due to software limitations it may be possible that the third mode does not act as you might expect. Some (pipe) handlers don't support all the needed functions. Please, start Elm in VERBOSE mode and let me know what happens.

Setting the username:

At first Elm scans the command line options for the "USER" (or equivalent) keyword. This keyword beats everything. If this fails, Elm looks for the environment variable "env:UserName". If this variable is unset, Elm searches in S:UUConfig or uulib:Config for a variable called "UserName". Very easy, isn't it?

Setting the folder name:

The default name of the folder depends on the username. If no option for a special folder is given, the folder always defaults to "uumail:<username>". You can change the name of the folder by the "FOLDER" (or equivalent) option. If you don't give an argument after the option, a file requester will please you to select a folder file. The starting directory for this requester is "uumail:", but one may change this.

1.101 AmigaElm/Additional Features

Additional Features

=====

The mailer provides a facility for including customized header lines in the messages you send. If you have an .elm/elmheaders file, the mailer will include its contents immediately after the regular headers of all outbound mail. Here's a typical .elm/elmheaders file:

```
Organization: Department of Fun & Games
Cc: bonzo@tic.tac.toe
X-Charset: iso-8859-1
```

These lines will appear after all other header lines in the message.

While running, Elm checks the mail folder on every action taken by the user. Elm compares date and length of the folder with previous values and re-reads the folder if it has been changed. This means you can run Elm in background and Elm re-reads the actual folder automatically if new mail comes in.

Elm tries to handle with your data files very safely. Before re-writing a folder to disk, it is backed up to "<filename>.o" (normally located in your mail directory "uumail:"). Therefore it should be very

difficult to lose some of your important data during a session.

1.102 AmigaElm/Aliases

Aliases =====

This part of the document is intended as a supplement to the Elm Users Guide and is only of interest to those users desiring more knowledge about how aliases work and how to create strange and exciting aliases for their systems (okay, so maybe it's not that exciting!)

The most simple type of aliases in the Elm system are individual user aliases. These are made up of two parts (separated by an equals sign '='):

```
aliasname list = address
```

Where the `aliasname list` is either a single aliasname or a list of aliasnames separated by commas. Aliasnames can be any combination of letters, numbers, dashes ('-'), periods ('.'), or underscores ('_'). Letter case is significant. That is 'FRED' and 'Fred' are not identical.

`Address` is either the user's full electronic mail address or, if the machine routing database is installed, the minimum address needed to specify the destination. For example, say our routing database contained information on how to get to machine 'hp-sdd' and I wanted to have an address for my friend Ken there - I could have his address specified as simply 'ken@hp-sdd' (or alternatively 'hp-sdd!ken' since the two are functionally equivalent).

Let's get on to some examples, shall we?

Consider this excerpt from my own `.elm/aliases` file:

```
# Mail aliases for Dave Taylor
# Friends from UCSD
addie          = addie@hp-sdd.SDD.HP.COM (Addie Silva)
frank,minjarez = Minjarez.Verify@dockmaster.arpa (Frank Minjarez)
pizzini        = hplabs!ucbvax!ucdavis!pai!ken (Ken Pizzini)
```

Note that the alias for Frank Minjarez has two aliasnames associated with it, `frank` and `minjarez`. Also notice that the first and second aliases use the ARPA Internet style naming convention of `user@machine` whereas the third uses the UUCP notation of `machine!user`. For the most part, the notational format is transparent within the alias file - the only time it does make a difference is if you have to specify more than the machine that the user is receiving mail on (as in the third example above). Suffice to say that if you must specify any sort of uucp route that you should use the uucp notation as much as possible to ensure that the system expands the correct machine name. Similarly, if you're bouncing mail through different ARPA Internet sites (to get to a foreign system, as in the example below) you should use the notation that system expects:

```
listserv%byuadmin.BITNET@rugters.edu
```

After the confusion of user aliases, group aliases are even more fun! For the most part the notation is very similar:

```
aliasname list = list of people
```

Where `aliasname list` is exactly equivalent to the corresponding fields in user aliases. The interesting part is the list of people field; this field is actually in the same notation as the `aliasname list`, so it's really quite easy to create. It's best to illustrate by example:

```
friends, mypals = joe, larry, mary, joanna, nancy, amk@zikzak
```

Each of the people in the list must be a defined alias (anywhere in the alias file) or a valid mail address. It's allowed to use aliases as well as complex addresses. (this differs from the original Unix Elm!)

The major limitation with aliases is that Elm does not have its own alias editor. Create your aliases with your favourite text editor and save this file to `.elm/aliases`. Elm reads in the alias list once upon startup. You can change `.elm/aliases` at any time from within Elm so that Elm accepts the changes immediately. A running Elm does not detect changes in the alias file if they were made in the background by another program.

If you have defined an alias twice Elm ignores the second one and prints out a message.

The maximum line length is 1024 characters. Up to 20 levels of aliases (nested aliases) are allowed. For example, a nested alias:

```
dummy1 = user1, user2, user3
dummy2 = user4, user5, user6
myalias = dummy1, dummy2
```

1.103 AmigaElm/MIME

MIME -- Multipurpose Internet Mail Extensions

=====

no documentation yet...
(read rfcl341 for details :-)

Please, have a look at the "ReadMe.Txt".

If somebody wants to write a small "Guide to AmigaElm, MIME and Metamail", I'll include it here...

Very short introduction:

Elm has builtin support for MIME for "text/plain" messages. But there are lots of other formats. If you want to be able to display all that bologna, you'll need "MetaMail 2.3a". Metamail is not only a single program; it's

a package with documentation, binaries and all that stuff.

If you don't want to use metamail then set "Env:NoMetaMail" and "EnvArc:NoMetaMail" to a non-empty string; this prevents AmigaElm from automatically calling Metamail for MIME mails.

Metamail is available on "ftp.cs.tu-berlin.de" (Internet FTP) and via normal e-mail from "mail-server@cs.tu-berlin.de".

If you're not familiar with our mail-server try the following:

1. mail to "mail-server@cs.tu-berlin.de"
2. write "send /pub/amiga/uucp/metamail-2.3a.lha" in the mail body
3. write "send /pub/doc/rfc/rfc1341.Z" in the mail body
(or "send /pub/doc/rfc/rfc1341.ps.Z")
4. wait some days ;-)

Really easy, isn't it?

Some tips for metamail:

I don't have most of the programs named in metamail's "mailcap" file (which resides in uulib:). So far I only needed "text/plain" (for base64 coded mails) and "text/richtext". My favourite entries are:

```
text/plain; multiview pubscreen='getpubscreen' %s
text/richtext; showRichtext %s
```

Where "type `which showRichtext`" looks like:

```
.KEY Richtext/A
.BRA {
.KET }

richtext > {Richtext}.txt -f {Richtext}
multiview pubscreen='getpubscreen' {Richtext}.txt
delete {Richtext}.txt QUIET
```

What the hell is "getpubscreen" you may ask. GetPubScreen is a small utility (initially by Michael 'Mick' Hohmann) which prints the name of the front-most public screen. So all metamail-related window will open on Elm's public screen. What? You don't have AmigaOS 2.0 (or higher)? Sorry, you loose ;-)

1.104 AmigaElm/How to install Elm

Installing

=====

Copy the Elm binary to your DOS search path (e.g. "copy elm uucp:c clone"), create a directory "uulib:.elm" and a configuration file "elmmc" in it. It stands to reason that you must have all the assigns and configs you need for AmigaUUCP in general.

Load "uulib:.elm/elmrc" into your favourite editor. You must have at least one entry called SendmailVersion. If you have no "RealName" in uulib:Config nor a proper initialized "Env:RealName" you must set

```
FullName
also.
```

Aah, and don't forget:

Elm is pure ('p' flag) and can be made resident via the "resident" command.

WARNING!

NOTE: Please adjust the uulib:.elm/elmrc to your personal needs and settings. The files in the uulib/ directory are only EXAMPLES (with MY settings). DO NOT USE THEM. NEVER USE! CAPITO?

Now you can start and use Elm from everywhere. But you may want more informations about advanced usage. Okay, here's some more information...

Command line options always beat their counterparts from the environment ("ENV:" directory) and from the configuration file (by default "uulib:.elm/elmrc"). Elm's configuration file always beats the environment, that's the standard behaviour for all UNIX applications. So it will be a good idea to leave all unnecessary stuff out of the config file and to set the appropriate variables in the environment or the system global UUCP config file (if existing "s:UUconfig", else "uulib:Config"). The environment always beats this system global config file. So we have the following priority order:

```
Command line options      (user=test etc.)
Elm's configuration file  (e.g. uulib:.elm/elmrc)
Local environment        (shell)
Global environment       (env:)
UUCP configuration file   (e.g. uulib:Config)
```

Elm also supports multi-user. That is different mail folders, different configuration files and, and, and...

Elm supports the following environment variables:

```
PAGER      : replacement for internal pager
SHELL      : program to run for "\" command key
             (see also command key
              \
              )
PRINTER    : printer command
SIGNATURE  : name of signature file
             (see also
              Signature
              in .elm/elmrc)
NOMETAMAIL : if set, no fallback to "metamail" in internal pager
EDITOR     : favourite editor
             (see also
              Editor
              in .elm/elmrc)
```

REALNAME : real name
HOST : name of site, without domain
DOMAIN : domain name (incl. leading '.')
USER : user name (account)
LINES : number of lines if in terminal mode (only local env)
COLUMNS : number of columns if in terminal mode (only local env)
HOME : user's home directory where Elm searches first for
.elm/elmrc, .elm/elmheaders, .elm/aliases, .signature
etc.

If HOST, DOMAIN or USER do not exist, Elm will try each of the variables again with an appended "NAME" (HOSTNAME, DOMAINNAME, USERNAME).

1.105 AmigaElm/Thanks, To-Dos, Known Bugs, Infos ...

Reports:

Send bug reports, ideas, flames etc. via e-mail to
"elm-fan@zikzak.in-berlin.de" (UUCP/Internet).

Plagiarism:

Some parts of this document are taken from the original Elm documentation written by Dave Taylor (taylor@hplabs.hp.com).
(my English is too lousy to write all parts by myself :-)

My personal to-do list:

- better handling of included mail-headers
- more gadtools support
- better printer support
- ReadContentLength in .elm/elmrc

Thanks:

- Kai 'wusel' Siering (best beta-testing, best ideas)
- Michael-Wolfgang Hohmann (ideas & funny telephone calls)
- Ralph Babel (ideas, tips & tricks, infos)
- Holger Lubitz (ideas, infos)
- Henning Schmiedehausen (ideas)
- Walter Mildemberger (ideas)
- Roland Bless (ideas, sources)
- Stefan Becker (best flames)
- Matt Dillon (AmigaUUCP D)
- Ingo Feulner (AmigaUUCP Plus)
- all registered users
- all the other people who send me bug reports, ideas etc.
- all I forgot ;-)

Movie:

"Heathers" (Lethal Attraction), best film ever made

1.106 AmigaElm/Disclaimer

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