pine

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COLLABORATORS

	TITLE : pine		
ACTION	*NAME*	*DATE*	*SIGNATURE*
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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pine

1.1 Pine 3.91

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                        Pine 3.91
        Amiga Port by Jeff Shepherd




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                ~Thanks~goes~out~to~
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1.2 Installation

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INSTALLATION
```

An installer script is supplied which installs~pine~and~copies~the~
suitable~files. If you hate installer scripts, you can~do~the~following:

```
 assign pine: pine3.91
 assign bin: pine:bin
 assign etc: pine:etc
 assign lib: pine:lib
```

Also, you need to have ixemul.libraryin your LIBS: directory. Ixemul.library

is not including in this archive but can be found on aminet in
dev/gcc/ixem404lib.lha.

If you have any of these assignments other than~pine:~You~can~copy~the~contents
of the pine3.91 directory to~the~appropriate~assigned~directory.

To be safe set your shell stack to at LEAST 25000.~If~you~have~problems~with~
random crashes (especially 8000004) try~setting~the~stack~higher.

1.3   Running Pine from a shell

To run pine you will need to first start AmiTCP or AS225r2. You
have~the~option of~logging in with AmiTCP or bypassing it. If you use login,
Pine~will~take~ your~username, full name etc from amitcp:db/passwd (or
inet:db/passwd for AS225r2). If not, you~can~set~the~environment variables
HOME, USERNAME, FULLNAME to~your~home~directory,~username (for sending email)
and your full name~respectively.

MAKE SURE THE ENVIRONMENT VARIABLES are in CAPITAL letters. Due
to~a~bug~of~some kind, using setenv with lowercase letters does~not~get~
recognized~properly. If you find this is the case, just reset~the~environment~
with~capital letters.

Pine will make a directory called mail in the home directory~specified~in~the~
passwd file or the environment variable HOME. Accompanying this archive is a
blank .pinerc file. You will need to edit this file before starting for the
first time. At the very~least~you~will~need to specify your inbox path.~The~
SMTPserver~and~NNTPserver name are not mandatory but if you want to~send~
mail/news~without~playing with the configuration afterwards they should be~
specified.

By default, Pine uses the IMAP protocol to access the mail~server.~To~make~
Pine use the POP protocol, change your inbox~path~to~{host.name/pop3}inbox.~
Using the IMAP protocol is preferred. (See doc/imap.vs.pop)

To start pine, just type pine. To get a list of command line options, type
pine -h.

This should be enough to get Pine up and running. Any other~variable~including
the inbox path and servers can~be~changed in the Setup-Config option from the
Main Menu screen. You can get help on any configuration item by pressing '?'.

1.4   Background

BACKGROUND

Pine(tm) --a Program for Internet News & Email-- is
a~tool~for~reading,~sending, and managing electronic messages.
It~was~designed~specifically with~novice computer users in mind, but can
be~tailored~to~accommodate the needs of~"power users" as well. Pine
uses~Internet~message~protocols (e.g. RFC-822,~SMTP, MIME, IMAP, NNTP) and
runs on~Unix and~PCs and~now Amigas.

The guiding principles for Pine's user-interface were:~careful~limitation~of~
features, one-character mnemonic commands,~always-present~command~menus,~
immediate user feedback, and high tolerance for~user mistakes.~It is~intended~
that Pine can be learned by exploration rather~than reading~manuals.~Feedback~
from the University of Washington community and~a growing~number of~Internet~
sites has been encouraging.

1.5 Features

FEATURES

  – Online help specific to each screen and context.

  – Message index showing a message summary which includes the status,
    sender, size, date and subject of messages.

  – Commands to view and process messages: Forward, Reply, Save,
    Export, Print, Delete, capture address, and search.

  – Message composer with easy-to-use editor and spelling checker.
    The message composer also assists entering and formatting
    addresses and provides direct access to the address book.

  – Address book for saving long complex addresses and personal
    distribution lists under a nickname.

  – Message attachments via the Multipurpose Internet Mail Extensions
    (MIME) specification. MIME allows sending/receiving non-text
    objects, such as binary files, spreadsheets, graphics, and sound.

  – Folder management commands for creating, deleting, listing, or
    renaming message folders. Folders may be local or on remote hosts.

  – Access to remote message folders and archives via the Internet
    Message Access Protocol (IMAP) as defined in RFC-1176 and revisions.

  – Internet news support via either NNTP or IMAP.

  – Aggregate operations, e.g. saving a selected set of messages at once.

1.6 Availability

AVAILABILITY

Pine, Pico, and UW's IMAP server are copyrighted, but~freely~available.~The~
latest versions, including source code, can be found on~the~Internet~host~
"ftp.cac.washington.edu" in the file~"pine/pine.tar.Z"~ (accessible~via~
anonymous FTP). You can~email~myself~ (jsshephe@undergrad.math.
uwaterloo.ca)~for the diffs to the original~archive~or for a standalone
archive. To try Pine out~from the Internet without AmiTCP or AS225R2,~ you
may~telnet to~ "demo.cac.washington.edu" and login as~"pinedemo". There is~

also~a~Pine-specific Internet news group~comp.mail.pine.

For further information, send e-mail to~pine@cac.washington.edu.~Pine~was~
originally based on Elm, but there is little~if any Elm code left.~Pine~is~the
work of Mike Seibel, Mark Crispin, Steve~Hubert, Sheryl Erez,~David~Miller~and
Laurence Lundblade* at the University of~Washington Office~of~Computing~and
Communications. Pine and Pico are~trademarks of the~University~of~Washington.
(* Laurence is now at Virginia~Tech.)

The Amiga port was done by Jeff Shepherd
<jsshephe@undergrad.math.uwaterloo.ca>

1.7 Reporting Bugs

Reporting Bugs

If you find any bugs, please email me (jsshephe@undergrad.math.uwaterloo.ca)
stating what the problem was. Also include you computer
setup~(computer,memory, AmiTCP/AS225R2 version, if you are using a network
card, etc). Also~attach the .pine-debug[1-6] or the .pine-crash file that was
created while~running Pine. If the bug is easily reproducible, run pine as
pine -d11 and~send me email with the .pine-debug file attached.

If you think this is a os-independent bug in Pine you can email the pine
developers by selecting the "Bug Report" option in the main menu.

1.8 Running Pine from the Workbench

                See
                Running~Pine~from~the~shell
                 for other other important configuration
options.

To run pine, just click on its icon.

There~are~various~tooltypes~with~which~you~can~configure~pine.~After~the~
description is~the~equivalent~option~used~from~the~CLI. DO NOT LOWER THE
STACK VALUE LOWER THAN 25000! Any lower than that will cause crashes.

ADDRESS=<name>~-~Start~Pine~in~the~compose~screen~with~ <name>
in~the~To~field.~ Equivalent~<name>~on~the~command~line.~

CONF=<filename>~-~Use~the~file~<filename>~as~the~pine.conf~file.
Equivalent~to~-P.

DEBUG=<number>~-~sets~debug~level~to~<number>.~~By~default~Pine~
has~a~debug~level of 2. This~is~the~same as~the~-d~option.

FOLDER=<filename>~-~Open~folder~<filename>.~ Equivalent to~-f.

KEYSTROKES=LIST - Execute a comma separated list of keystrokes upon startup of
Pine. See

                    Using~Keystrokes
                     for details.

INDEX=YES/NO~-~Go~directly~to~the~index~screen,~bypassing~the~
main~menu.~Equivalent to -i.

LIST=YES/NO - Expand list of folder collections by default.~ Equivalent to
-l.

PINERC=<filename>~-~Use~the~file~<filename>~as~the~.pinerc~file.~
Equivalent~to~-p.

RESTRICTED=YES/NO~-~Restricted~mode,~can~only~send~mail~to~oneself.~
Equivalent~to -r.

READONLY=YES/NO - Open folder in readonly mode only.~ Equivalent to -o.

SORT=SUBJECT/ARRIVAL/DATE/FROM/SIZE/REVERSE~-~Tells~Pine~how~~
to~sorts~folders.~Equivalent to -sort.

WINDOW=<string>~-~Window~setup~of~Pine.~The~window~string~has~
the~form:~CON:x/y/width/height/title/options.~For~~more~information,~check
the~AmigaDOS~manual.

1.9 DISCLAIMER

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use of these trademarks may be made without prior written permission of the
University of Washington.

Pine is in part based on The Elm Mail System.

1.10 TODO

Included in the pine archive is code for an imap and pop mail daemon. I will
release these daemons as a separate package.

1.11   Requirements

- AmiTCP 4.x or Commodore's AS225R2 (NOTE: The AS225R2 version comes in an
020+ version only.) - 2 Mb of memory is a minimum. If you plan to receive
large pieces of mail or like to read binary newsgroups, more may be needed. -
ixemul.library. It can be found on aminet in dev/gcc/ixem404lib.lha - At least
Workbench 2.04 (V37). 1.3 is DEAD.

1.12   Thanks

A special thanks go out to my beta testers (I hope I got your names right):

```
 Stuart Brand   <shbrand@mps.ohio-state.edu>
 Mike Castro    <reiruoc@ccwc.cc.utexas.edu>
 Mark Ives    <mives@mives.flg.primenet.com>
 Bruce Johnson    <bjohnson@netcom.netcom.com>
 Donald Maddox    <dmaddox@scsn.net>
 Michael Martin   <moongie@xnet.com>
 Nicholas Munger <nmunger@oswego.oswego.edu>
 Ivan Smith   <ivans@godzilla.zeta.org.au>
```

and a very special thanks goes out to Matt Weatherford <mattw@atl.com> for his
help with the AS225R2 version. Thanks Matt!

And of course for Pine development team at the University of Washington who
made Pine possible.

1.13   Using smtppost with Pine

If~you want~to use~smtppost (eg. if you use UUCP) instead of connecting~to
the~ SMTPserver,~leave the~SMTPserver field in the pine.conf file and
your~personal~.pinerc~file blank. By default, pine uses the command smtppost
with arguments >NIL:. You can override the sendmail command and/or its
arguments by setting the environment variables SENDMAIL and SENDMAILFLAGS
respectively.

1.14   Using keystrokes with Pine

Nowhere in the Pine documentation does it tell you how to use keystrokes with
Pine. Here is how. The KEYSTROKES tooltype and the -I command line option take
a comma-separated list of keys. The list acts like you pressed a key from the
keyboard.

To simulate cursor and other special keys use the following:

```
CR    - carriage return
SPACE  - space bar
TAB     - tab
^<key> - CTRL-<key>
F[1-10], f[1-10] - function key [1-10]
UP    - cursor up
DOWN       - cursor down
LEFT       - cursor left
RIGHT  - cursor right
```

1.15   Using Pine for local mail only

Unfortunately Pine still needs AmiTCP to run so you need to get it. You don't
need a SLIP connection unless you want to send mail using SMTP.

You can fake starting AmiTCP~with~the~following~script:

```
 failat 21
 AmiTCP:bin/login    ;at your discretion
 AmiTCP:bin/umask~022~
 AmiTCP:AmiTCP~
 WaitForPort AMITCP
 amitcp:bin/ifconfig lo0 localhost
 amitcp:bin/route add 127.0.0.1 localhost
 assign tcp: EXISTS >NIL:
 if warn
    mount tcp: from amitcp:devs/inet-mountlist
 endif
```

To make AmiTCP use your real hostname instead of local host, add/replace the
following line in AmiTCP:db/hosts to: 127.0.0.1 <hostname> localhost
where <hostname> is your hostname. Also change localhost to <hostname> in the
above script.

Set SMTPMailDir to your local mail directory. If SMTPMailDir is not set, Pine
uses Amitcp:Mail/ (or INet:Mail/ if you use AS225R2).

1.16   Using Pine to view MIME-encoded attachments

Pine can easily send and receive email containing attachments in MIME format.
To view MIME attachments you need to do the following: Set image-viewer in
your .pinerc. I use vt >NIL:. Take a look at the .mailcap file in the pine
directory. It contains helpful hints on setting up viewers.

If you use AMosaic, Pine can also use its mailcap file. Just delete/rename the
already existing .mailcap file and Pine will find the mailcap file in
ENV:Mosaic.

1.17   Using Pine's pipe command

Pine has the ability to pipe attachments or messages to external commands.
Normally Pine uses csh to execute the commands. With the default distribution,
csh is actually sh, which has a limited search path for commands. To specify
pipe commands you must use the unix pathname. Eg pine:lpr becomes /pine/lpr.
In general device: becomes /device/.

An alternative is to get the excellent shell csh from Aminet. It is located
in util/shell. This eliminates using unix pathnames.

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