THOR

COLLABORATORS			
	TITLE : THOR		
ACTION	*NAME*	*DATE*	*SIGNATURE*
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Contents

Chapter 1

THOR

1.1 THOR.guide

```
                        ----===== THOR =========----

          The Ultima Thule Offline Reader System

              ----=== Release 2.22 ===----

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         (Last updated: 18 December 1995)
```

General information

       About

       How to register

       Disclaimers

       Features
Installation and usage

       Installation

       THOR tooltypes and arguments

       Starting THOR

       Configuration

       Configuring the TCP modules
Message reading and writing

       Message header

       Shortcuts

       Message reading

1.2 THOR.guide/About

About
~~~~~

THOR is developed for saving online time on a wide range of Bulletin
Board Systems and the Internet, for building and maintaining a database
of messages from these systems, and for the simple pleasure of creating
the best offline reader on the Amiga

The team behind THOR is

Petter Nilsen and Eivind Nordseth.

Petter is the team coordinator and creator of THOR's graphic user
interface, and is responsible for the interaction between the database
and THOR, has created the THOR, CfgTCP, ConfigTHOR, ConnectTHOR and
various other programs. Eivind is in charge of the library functions
in THOR.   He has also written the NComm scripts and part of the UUCP
parser module.

These two have received valuable help from Kjell Irgens, Marius
Mortensen and Magne Østlyngen.

Kjell has made the UUCP, QWK, SOUP, TCP (GetTCP and SendTCP),
BlueWave, Hippo and Omen modules for THOR. Marius is the creator of
the internal editor and Magne has done much of the work in making THOR
font sensitive and rescalable.   Magne is also responsible for the
custom gadgets in THOR and for the Fido modules, and lately the
utnet.library that contains commonly used socket routines.

If you want to reach us with comments and bug reports, contact us in
either of the following ways:

    Internet:

      EMail: thor@hstud6.cs.uit.no (THOR Development Team)
        WWW: http://www.cs.uit.no/~kjelli/thor.html

    Ultima Thule BBS:

      +47 776-13205 / +47 776-39830 / +47 776-81999, write a message to
      Petter Nilsen

```
    Voice:

       +47 776-89111

    Snail-Mail:

       Ultima Thule Software
       Attn. Petter Nilsen
       Strandveien 59B
       N-9007 TROMSOE
       NORWAY
```

1.3 THOR.guide/Disclaimers

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Disclaimers
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as described, but no warranty of any kind, expressed or implied, is
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1.4 THOR.guide/Registration

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Registration
~~~~~~~~~~~~
```

This program is Shareware and you must register it if you use it on a
regular basis.   The evaluation period lasts for 30 days. After this
period, you must either register THOR or stop using it.   The

registration fee is US $30 or NOK 220,-. See details below on how to
send money.

When you have registered THOR you will receive a disk with the most
recent version THOR, along with a key file that may be used together
with version updates. You will also get free support, and last but not
least, a clear conscience.

Please select one of the appropiate links depending on where in the
world you live:

 Register from Norway
 Register from United Kingdom
 Register from Europe
 Register from the rest of the World

1.5 THOR.guide/Installation

                    Installation
~~~~~~~~~~~~~

A hard disk is required to use THOR.

Installation should be done with the installation script. Just click
on the Installation icon and follow the instructions.

If you intend to use THOR with the
                 TCP
                  system type, skip to the
Setting up TCP section now.

If the system you are obtaining message packets from is supported with
scripts, you should use the appropriate script file from the
communication program when calling a system. The script file will be
named <mail-packet name>.script (for example thule.script) and it will
reside in the <Your THOR path>/Scripts directory.

The scripts for THOR is written to cooperate with NComm, but to have
THOR working with other communication software is possible. If you
wish to use another comm. program with THOR and can't make it work,
please contact the THOR Team (thor@hstud6.cs.uit.no) and present the
problem. We will do our best to provide you with a solution.

(Please see Installation.guide/Introduction for further details.)

1.6 THOR.guide/Features

                    Features
~~~~~~~~~

What is so special about THOR?

Several things. First, it is as far as we know the only general
offline reader for the Amiga with true 'history'. This means that all
messages will be added to a database, and may be recalled later.
Threads may be followed forwards and backwards.

Furthermore, THOR supports more different message formats than any
other offline reader on ANY platform, and new ones are easily added
because THOR is a very open system. At this point THOR supports

          ABBS-MBBS
          ,
          QWK
          ,
          BlueWave
          ,
          SOUP
          ,
          UUCP
          ,
          FIDO
          ,
          TCP
          ,
          Omen
           and
          Hippo
          (BBBS) systems.

THOR also has a name database that contains data on people who have
written messages on the system you are using. This makes it easy to
enter a message to someone, just enter a few letters from this persons
name and a window will come up containing suggestions based on the
letters you wrote.

THOR uses an advanced buffering system to be able to get best possible
performance on disk operations. Copy-back buffering is used when
messages are added to the database by the different parser programs,
and write-through buffering is used elsewhere. The number and size of
buffers can be set in the Global Configuration in ConfigTHOR.

THOR sports a complete Style Guide compliant 2.x-look GUI with
extended features if run under OS 3.0 or higher. Since
gadtools.library from Commodore doesn't support color in listviews
easily, we have made our own custom listview to be able to have color
and ANSI in the listview. THOR is also completely font-sensitive and
most windows can be rescaled and their position saved. Selection of
screenmode, fonts to use, palette etc. is also supported. Since many
of the gadgets are custom made by us, many of the features available
previously only to OS 3.x users, are also available for OS 2.04 users.
THOR uses pen sharing under OS 3.0 or higher, and a separate
background picture in the windows and on the screen is supported.
This feature uses the datatypes.library and the pen sharing available
in OS 3.0 and higher.

THOR has online help using the AmigaGuide system from Commodore, so whenever you want help, pressing the HELP key will bring up help on the window or the menu under the pointer.

THOR has an advanced built-in editor called the Full Screen Editor (FSE) This editor will satisfy most users, but you can of course use an external editor if you like. (See
                    THOR_Full_Screen_Editor
                    .)

THOR has a flexible system for purging conferences based on number of days and/or maximum number of messages. XPK packing of the message database is also supported directly with a high degree of flexibility.

THOR has a high-speed search function which lets you search for a given key word, with several different search options.

THOR has an internal filedatabase that can be used for keeping e.g. a full list of files on Aminet or from the systems you call.

THOR has an extensive Kill/Emphasize database that will let you kill or put an emphasize on messages based on any criteria in the message data, with wildcards.

THOR has extensive Arexx support and includes a lot of useful arexx scripts. These includes uuencode, crosspostings, mailinglists, chess(!) etc.

THOR has locale support, and supports a wide range of international character sets, like ISO, IBM, NO7, SF7, DE7, etc. If you wish to translate THOR to a language not already supported, please contact us.

THOR has 12 ways of marking a message or a range of messages, e.g. mark messages to you as unread, mark all messages with a certain subject as read or mark messages from a user as read.

1.7 THOR.guide/Starting THOR

                    Starting THOR
~~~~~~~~~~~~~~

When you first start THOR, you will be asked to set up your Global Configuration.

There will not be any available systems in the
                    Startup_Window
                     at this
time. First, you must tell THOR some details about the systems you wish to add. Choose the Systems Configuration subitem from the Configuration menu. This brings you to the Systems Configuration Window.

(Please see Installation.guide/Introduction for further details.)

1.8   THOR.guide/Configuration

```
Configuration
~~~~~~~~~~~~~
```

The configuration program for THOR is called ConfigTHOR. A separate
documentation for this program is available in ConfigTHOR.guide.

(Please see ConfigTHOR.guide/Main for further details.)

1.9   THOR.guide/THOR Tooltypes-Arguments

```
THOR tooltypes and arguments
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

When starting THOR, some arguments may be given to THOR, either on the
command line, or in the icon tooltypes:

PUBSCREEN <name>
     This is the name of the public screen you want THOR to open
     on. Please note that this name is case-sensitive up until V40
     of the OS. If the public screen does not exist, a new screen
     by this name is opened.

FORCETOFRONT
     If THOR is already running, its screen will come to front.
     Without this option, a new THOR will be started.

SYSTEM <name>
     THOR will enter this system directly without opening the
     Startup Window. Any waiting message packets will be parsed in as
     default with this option.

NOPARSEGRAB
     Used in conjunction with the SYSTEM option THOR will not parse
     message packets from the configured the download directory.

ICON_X
     This is the X coordinate that THOR will use for the icon when
     iconified.

ICON_Y
     This is the Y coordinate that THOR will use for the icon when
     iconified.

SCREENPICTURE
     This is the name of the picture you want as background
     picture on THOR's own screen.   Can be in any format supported

with a datatype. This argument requires that you have OS 3.0
or higher installed and will override any screen picture settings
in the configuration.

WINDOWPICTURE
    This is the name of the picture you want as background picture in
    the windows in THOR. Can be in any format supported with a
    datatype. This argument requires that you have OS 3.0 or
    higher installed and will override any window picture settings in
    the configuration.

1.10   THOR.guide/VisualOptions_Window

Visual Options Window
~~~~~~~~~~~~~~~~~~~~~~

This window is used to configure message appearance. The following
options are available in this window:

Color Quote
    Toggles color quoting.   If color quoting is on (the gadget
    has a checkmark), quoted lines appear in a different color. This
    option is also used by the editor.

Double Quote
    Toggles double color quoting. If double color quoting is on and
    the Color Quote   option is ON (the gadgets has a checkmark), two
    different colors are used for quoting:

    >>This is a line in one color
    >This is a line in another color

    This option is also be used by the editor.

ANSI Support
    Toggles ANSI Support. If on, all messages that include ANSI
    sequences are shown in full ANSI color.

    Note: To show ansi bulletins and messages with their true ANSI
    colors, you must be running on a 16 colors (or more) screen
    under OS 3.0 or higher.

Style Tags
    Toggles Style Tags support when reading messages. Style Tags is a
    way to "mark" single words and is only available if ANSI Support
    is on. Here are some examples:

      GREAT   - The word "GREAT" is shown in Bold

      GREAT   - The word "GREAT" is shown in Underlined

      /GREAT/   - The word "GREAT" is shown in Italic

```
      #GREAT#         -   The word "GREAT" is shown in Complement.


   Style tags may be combined; for example:

     *_GREAT_*        -   The word "GREAT" is shown in Bold and
                          Underlined.

   But this won't work:

     *_GREAT*_
```

1.11 THOR.guide/Pack-Purge Msgs

```
Packing and Purging messages
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

The messages in the database will remain there until you decide to
pack and purge conferences. Purge in this context mean to delete old
messages from disk, and there is no way to get them back.

Messages marked as deleted with the "Delete Msg On/Off" menu option
will also be physically deleted from disk.

If a Xpk-method is defined in the configuration, remaining messages
will be compressed with the defined Xpk-method.

THOR can purge a conference based on either global values or separate
values for each conference. The values for each conference may be set
in the Conference Configuration (in the ConfigTHOR program) and the
global values are set in the Global Configuration.

There are two basic methods for purging conferences, one is based on
number of messages to keep in each conference, the other is based on
the number of days to keep messages. Both of these can be used at the
same time.

If you set Msgs to Keep to '100' and Days to Keep to '14', all
messages older than 14 days will be deleted, and no more that 100
messages are kept.

One or both of these values may be "ignored", which means messages are
not deleted.

All conferences will use the global setting as default. Therefore, it
is enough just setting the global values and use these on all
conferences.   If there is a conference or two that might interest you
more than the rest, you typically set higher values for these.

1.12   THOR.guide/Signature system

```
Signature system
~~~~~~~~~~~~~~~~
```

There are three levels of signature configuration in THOR. These are
the Global, system and the conference signature. The priority is:


```
1) Conference signature.
2) System signature.
3) Global signature.
```

If a conference signature is configured, this is used when entering or
answering messages.   If the conference signature does not exist, the
system signature will be used. If this does not exist either, the
global one is used.

If no signature is configured anywhere, no signature will be added to
messages.

Multi-line signatures is possible by adding "\n" (backslash n) where
you want new lines.

If you want the version number of THOR inserted in the signature
automatically, you can use $ver in the signature somewhere, and
correct version number will replace the $ver string in the message.

Inserting $time in the signature will add the current date and time.

1.13   THOR.guide/Menus

```
                Menus
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```

THOR has a menu strip accessable from all windows, except for the

```
             THOR_Full_Screen_Editor
              which has its own menu strip.
```

From the left of the screen:


```
Project:
~~~~~~~~
```

        About – Shows information about THOR and registration info.

   Leave System – Exits from the current system and returns you to the

```
             Startup_Window
                  .
```

          Iconify - Closes the THOR screen and generates an AppIcon
                    on the WorkBench screen. Double-clicking on this
                    icon will open THOR again.   This item is only available
                    from the
                 Startup_Window
                  and the
                 Main_Window
                    .

  Public Screen - Pops up a window where you can choose which public screen
                    THOR should be run on.

  Print Message - Dumps current message in the main window to the printer.

   Save Message - Save current message to disk.

           Quit - Quits THOR.

External:
~~~~~~~~~

      LogReader - Starts the LogReader program on the THOR screen.

       ThorStat - Starts the
                 ThorStat
                  program. By setting the
                   screen for this program to Thor.1 in MUIPrefs, this
                   program can also be opened on the THOR screen.

        PackBBS - Runs the external shell program "packbbs" located in
                   bin/ in a output window on the THOR screen.
                   This program will pack all conferences on all systems
                   based on your global and conference settings.
                    (See
                 Pack-Purge Msgs
                 , and
                 PackBBS
                 .)

     ListEvents - This program lists all events outstanding in a
                    output window on the THOR screen, using the program
                    bin/listevents.
                    (See
                 ListEvents
                 .)

    ConnectTHOR - Will start the
                 ConnectTHOR
                  program for getting
                   Internet news and mail on the screen THOR is running
                   on.

Configuration:
~~~~~~~~~~~~~~

```
        Config - Starts the ConfigTHOR program in the main startup window.

 Systems Config - Starts the ConfigTHOR program in the Systems Configuration
                  window.

    Conf Config - Starts the ConfigTHOR program in the Conference Configuration
                  window. Not available from the startup window.

 Visual Options - Opens the
                  VisualOptions_Window
                   or brings it to front
                    if it is already open.


General:
~~~~~~~~
        Search - Opens the
                 Search_Window
                  which will allow you
                   to search for specific strings based on what you select
                   in this window. (See
                 Search_Window
                  .)

        ROT-13 - Applies  ROT-13  to the  current  message in the main
                 window. ROT-13 is also know as the "Caesarian encryption"
                 and is basically a rotation of each character 13 places up,
                 with wrapping if the ascii value gets past the 'Z'.

 Show ScriptMsg - Shows the file "Scriptmsg.txt" which the  script
                  can create for various purposes, like error messages
                  from the script.

    Delete Dups - Scans through the message database and deletes duplicate
                  messages with the same message number on the system. The
                  message text will be deleted, but the reference information
                  will be kept.

 KeepMsg On/Off - Toggles the KEEP flag on a message so that this message
                  will not be deleted when packing the conference.
                  If the KEEP flag is already set, this option will clear
                  this flag.

DeleteMsg On/Off- Toggles the DELETE flag on a message so that this
                  message will be shown as deleted/not deleted. Once you
                  leave the conference the message can no longer be
                  undeleted. Use this function with caution!

SprUnread On/Off- Toggles the SUPERUNREAD flag used to avoid a message
                  being marked as read.  Neat for important messages.

CatchUp         - Mark all messages in current conference as read.

Pack/Purge Msgs -
                  Pack-Purge Msgs
```

```
                    Move Messages   - Will let you move the current or all select  ←
                      messages
                      in the message list window to another conference.
                      If the conference do not exist, it can be created.

Show        >>    - Will let you select the read mode to read messages in.
                      (See
                    Show
                    .)

Group by    >>    - Will let you select which method is to be used to group
                      messages. (See
                    Group by
                    .)

Windows:
~~~~~~~~

        Conflist - Opens the
                    Conference_Window
                     or closes it if it is
                      already open. Not available from the startup window.

         Msglist - Opens the
                    Messagelist_Window
                     or closes it if it
                      is already open. Not available from the startup window.

            Dock - Opens the
                    Function_dock
                     or closes it if it is
                      already open. Not available from the startup window.

  File Database - Opens the
                    File_database
                     window or brings it to front
                      if it is already open. Not available from the startup window.

  User Database - Opens the
                    User_database
                     window or brings it to front
                      if it is already open. Not available from the startup window.

  Kill Database - Opens the
                    Kill_database
                     window or brings it to front
                      if it is already open.

        Newfiles - Opens the
                    Newfiles_Window
                     or brings it to front
                      if it is already open. Not available from the startup
                      window.

Marking of msgs - Opens the
                    Mark_Window
                     .
```

```
Events Editor    - Opens the
                 Event_Window
                  or brings it to front
                   if it is already open.

Event Commands:
~~~~~~~~~~~~~~~~

 Script Command - Will let you enter a string that will be sent to
                  the system by the script. This allows for custom commands
                  to be sent whenever you want to automate an operation.
                  This option is only available if the system type supports
                  this event.

   Get Newfiles - Will request a list of new files from the system the next
                  time you call.   This option is only available if the
                  system type supports this event.

     Autologoff - Lets you choose whether you want the script to
                  log you off automatically from the system after the script
                  session is ended.
                  This option is only available if the system type supports
                  this event.

   Retract File - Lets you retract a file on the remote system.
                  This option is only available if the system type supports
                  this event.

 Cancel Message - Lets you retract (cancel) a message on the remote system.
                  This option is only available if the system type supports
                  this event.

   Get Conflist - This option will request a list of all conferences from
                  the remote system.
                  This option is only available if the system type supports
                  this event.

       Download - Lets you enter a filename for a file to be obtained from
                  the remote system.
                  This option is only available if the system type supports
                  this event.

         Upload - Will open a window with options that will let you upload
                   a file to the remote system. (See
                  Upload
                  .)
                   This option is only available if the system type supports
                   this event.

    Resign Conf - This option will let you select a conference to resign (drop)
                  from the conferences you receive messages in.
                  This option is only available if the system type supports
                  this event.

      Join Conf - This option will let you select conferences to join so that
                  you will start getting messages in these conferences.
```

                    This option is only available if the system type supports
                    this event.

    Send Userinfo – This option will let you enter some information about
                    yourself that will be entered on the remote system.
                    This option is only available if the system type supports
                    this event.

Configure System– This option will configure some parameters for you on the
                    remote system.
                    This option is only available if the system type supports
                    this event.

ARexx Scripts:
~~~~~~~~~~~~~~

     Add Script – This option will let you choose a ARexx script to put on
                    a given function key. Several useful scripts are included
                    in the THOR package for this purpose.

Edit Definition– Will let you edit a macro previously assigned to a
                    function key.

Save Definitions– Will save your macro definitions to the file
                    'THOR.macros' as pure ascii text.

Execute Script – Will let you execute an ARexx script which isn't assigned
                    to a function key. A file requester will come up, and
                    you can choose a script file from this requester.

       F1 – F20 – This is where your macros will show up. To execute a macro,
                    you can choose the macro from the menu with the mouse, or
                    press the corresponding function key (F11 = SHIFT + F1.)

1.14 THOR.guide/System types and formats supported

                System types and formats supported
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

THOR fully supports ABBS and MBBS (See
                ABBS–MBBS
                .), all standard
                QWK
                systems,
                SOUP
                ,
                UUCP
                ,
                BlueWave
                ,
                TCP
                ,

```
            FIDO
            ,
            Omen
             and
            Hippo
            .
```

Please give us suggestions for other system types you would like to
see implemented in THOR. We are very interested in any format
specifications. If you send us this, we might add support for it.

1.15 THOR.guide/ABBS-MBBS

ABBS/MBBS
~~~~~~~~~

THOR has been extensively tested against these systems, and should
work with a high degree of reliability.

Please note that you must set the character set in your NComm to ISO
if you are using THOR against ABBS, and to IBN if you are logged on to
MBBS. If you will be using the supplied NComm script, this is not
needed.

You must also be sure that you have chosen English as language on MBBS
if you intend to use THOR and the included script with MBBS.

(Please see Installation.guide/How to set up NComm with the THOR scripts
for further details.)

1.16 THOR.guide/QWK

            QWK
~~~

When registering a new system, you can set the Type to QWK. This is,
however, a system type with no prepared scripts, so you either have to
log on without a script, and get the QWK packet yourself or edit the
script to adapt it to the system you are setting up. Please see the

            Technical descriptions
                chapter for information in how the scripts
interact with THOR.

Note that if your system has an option to turn *.NDX and *.PTR files
off, please do so. THOR does not make any use of these.

1.17 THOR.guide/Hippo

```
Hippo
~~~~~
```

When registering a new system, you may set the Type to Hippo. This is
a packet format used on BBBS systems.   If both QWK and Hippo is
available, Hippo is preferable since it does not have the 25 character
subject, to and from limits that QWK suffers from.

Please note that the Hippo format supported is version 2 of the Hippo
standard, so make sure that you choose this format on the system.

BBBS is supported with a script for NComm.

(Please see Installation.guide/How to set up NComm with the THOR scripts
for further details.)

1.18 THOR.guide/BlueWave

```
BlueWave
~~~~~~~~
```

When registering a new system, you may set the Type to BlueWave. This
is a very good and advanced format that is popular especially in the
USA.   If your system supports both QWK and BlueWave it is suggested
that you use the BlueWave format. Some of the advantages when
compared to QWK are:

-Automatic flags for the conferences.   This means that THOR knows
 about read-only conferences, which conferences you have subscribed etc.
-Longer subject, to and from-strings.
-Aliases.

1.19 THOR.guide/Omen

```
Omen
~~~~
```

When registering a new system, you may set the Type to Omen. Omen is
a fairly rare format used on BBSes in Finland mostly. This format has
not been tested all that much, so any feedback is appreciated.

1.20 THOR.guide/SOUP

SOUP
~~~~

When registering a new system, you may set the Type to SOUP. SOUP is
short for 'Simple Offline Usenet Packet'. This is a format that has
become very popular lately, mainly because the newer versions of UQWK
for UNIX systems supports it. If you have access to a dial-up UNIX
account and would like to read News and E-Mail at home, check out
uqwk.

The SOUP format has a lot of advantages over the QWK format,
especially when reading News and E-mail. Subjects and adresses are
not limited to 25 characters and in UQWK the threading actually works
(unlike in QWK mode) The SOUP format is highly recommended over the
QWK format if possible.

AmiTCP users may use the SOUP format by telnetting to the internet
provider and run uqwk there, and then transfer the resulting packet
via ftp. Or use the
                TCP
                 module, which is slower, but a bit more
comfortable.

THOR creates reply-packets with the name <mail-packet name>.out

Note that there is a special UQWK_SOUP type. This exists because uqwk
does not quite follow the SOUP standard, so you have to use this type
instead of plain SOUP if you want resigning and joining of newsgroups
to work from the GUI.

Along with the THOR 2.22 distribution is a script that is meant to be
used on the remote UNIX system for grabbing news and mail using uqwk
with SOUP. This script is located in the unix/ directory. Upload
this script to the remote UNIX machine and type the following to make
it executable:

chmod +x grab

If you want to use some other mail packet name than 'soup', change the
script accordingly. A plain 'grab' suffices normally, but some
options are available. An alias for the options you want is a good
idea.

The options available in the script are:

  -r : Do not use the "rz" program to transfer replies (<mail-packet name>.out)
       to the UNIX side.
  -s) Do not use the "sz" program to transfer the grab from the UNIX
       side.
  -n) Do not grab news. Nice if you just want to read mail and do not
       have time to grab news.
  -m) Do not grab mail. If you for some reason do not wish to read new
       mail, use this. If you just want to enter replies, '-n -m' works
       fine.
  -u) Do not limit the size of news grabbed to 400kB.
  -x) Restore mail, used if you somehow lost mail the last time you

```
         grabbed.
  -z ) Restore news, used if you somehow lost news the last time you
       grabbed.  '-x -z' works fine.
```

UQWK_SOUP is supported with a simple NComm script, that might or might
not work on your Unix system (modifications might be needed to make it
work correctly).

1.21 THOR.guide/FIDO

FidoNet
~~~~~~~

To use FIDO with THOR, set up a new system with system-type set to
FIDO. It is suggested that you configure a separate upload directory
for the FIDO-system, since FIDO tends to make several files there.

If you have used SPOT/Trapdoor before, you already have
Inbound/Outbound directories set up, so just set the download/upload
directories to these directories (In Files/Paths).

FIDO-packets are usually named <something>.PKT or
<something>.<weekday><grabnr>, where <something> is a 8 digit
hexadesimal number, <weekday> is one of MO, TU, WE, TH, FR, SA and SU
and <grabnr> is a number between 0 and 9.

Therefore, this pattern for the Mail packet name will cover most, if
not all, names a packet may have:

"#?.((MO|TU|WE|TH|FR|SA|SU)[0-9]|PKT)"

(Write this, without quotes, in the Mailpacket string gadget)

Next, set up a Email address in the User Options window (User Info).
All references to Email address in THOR, means your *FIDO* address, so
this is your net-address (For instance, my address is 2:212/8.15) If
you're not a registered user of THOR, or you use another name on the
FIDO system than is in your keyfile, you must also type in your
username.

After that, go to the Import/Export window. Here you kan set up the
archiver to use when archiving events. Default is Zip, and you will
probably never need to change it. You can also set up which charset
to use when writing messages. Default here is ISO (LATIN-1). If your
boss doesn't like that you write 8-bit messages, change to one of the
7-bit charsets (NO7, DK7, UK7 etc..). This charset is also used when
importing messages, if the messages does not contain a CHSR/CHARSET
kludge.

The other things in the Import/Export window are explained in the THOR
documentation.

Type Options next. This is an ARexx script, which let you set some

FIDO options.

Origin: You may customize the Origin line, which is added to all the
messages you write (except netmail-messages).   If you specify "My
Point" here (and your fido-address is 1:2/3.4), the messages will get
the line " * Origin: My Point (1:2/3.4)" added to them. If you don't
specify an origin text, the name you configured for your FIDO system
will be used instead.

Password: This password will be used in all your reply-packets.

Force INTL lines: If you experience problems with your netmail not
coming to the receiver, try setting this to yes.

Pack NetMail: if you write many messages in NetMail.*, it could be an
idea to pack these messages to improve transfer-time when uploading
packets to your boss. If you write one or two messages each time, it
probably won't help much.

UUCP address: This is the address of the gateway to send internet
messages through (will be explained later).

UUCP name: This is the name of the UUCP gateway.

Uploading you reply-packets
-------------------------- Since THOR only parses message
packets, and makes reply-packets of your messages, you need an
external program to download/upload messages from/to your boss.
Trapdoor works ok.

Multiple nets. -------------- THOR supports multiple
nets, that is, you can parse packets from different nets into
one system.   To accomplish this, THOR automatically configures
an EMail address for each conference (AREA) when adding messages to
this conference for the first time. After this, when writing
messages in this conferece, the conference EMail address is used
instead of the global one. Also, when receiving messages in these
conferences, a Netmail-conference is automatically created for each of
your FIDO-addresses.

Writing UUCP-messages -------------------- By
configuring UUCP address and name in Type Options, it is possible to
automatically route UUCP addresses through an UUCP gateway. If the
address of the gateway is 1:100/200.5, and the uucp-name is UUCP, a
message to john.smith@someplace.somewhere will be sent to UUCP at
1:100/200.5,   and   the   fist   line   in   the   message   will be
"To: john.smith@someplace.somewhere".   THOR   will   automatically
recognice john.smith@someplace.somewhere as an EMail address, but the
recognition routine is very simple, so all addresses not beginning
with a number, will be recogniced as an EMail address. This also
means that it is not possible to send messages to EMail addresses
beginning with a number. This will be fixed in a later release.

Downloading files: FREQ ----------------------
To request files from your boss, use Download and type in the filename
as you would have done with any file requester.

FileAttachments ¯¯¯¯¯¯¯¯¯¯¯¯¯¯ To attach a file to
a message, use the Attach File in the Extras window of the enter/reply
window. When attaching a file to a message, the subject you write is
ignored.

AreaFix ¯¯¯¯¯¯¯ There is at this time no support for areafix, so
joining and resigning AREAS must be done manually. Sorry.

1.22 THOR.guide/UUCP

UUCP
~~~~

When registering a new system, you may set the Type to UUCP. The
grabname should be set to the name of your incoming mailbox.

If you want to use THOR as a newsreader as well as a mail reader, you
will have to run the type config in the Systems configuration. Also
remember to configure your email address in the Systems configuration.

This document will not explain how to install UUCP. This is a non-
trivial task, and beyond the scope of this manual. We suggest that
you read the manuals in the UUCP archive carefully.

You should always run the UUCP Type options before you start using a
UUCP system in THOR. You will be queried for the following
information:

Headers
     By selecting Headers you can edit a file that always will be
     inserted in the beginning of the mail/postings you write. This
     is done before the editor is started so you have the chance to
     edit the headers along with the rest of the mail.

     This feature is nice if you always want to have some
     special information in the header of your mails, such as a
     Organization: header or a Reply-To: field. You may also write
     headers at the top of the mail you are composing even if you don't
     use a header file.

Configuration
     By selecting Configuration you will be prompted for various
     questions that changes the behaviour or the UUCP module.

Use THOR as a news and mail or mail only reader?
     Should be self-explainatory. If you choose mail only, your
     mailbox file will be processed by THOR, not the files in the news
     tree.

Select news directory
     If you chose to use THOR as a news reader, you will be prompted
     for the root directory of your news tree, where your news is
     stored. This is normally UUNews: which is the default.

Should THOR use a From: line in postings?
     Some UUCP implementations wants a From: line in the header of
     the file that postnews is delivered. Try this first, and if it
     doesn't work, run the configuration again and change it not to
     add a From: line. If you are not adding a fromline you will have
     to use arguments the sendnews command, see below.

News posting command
     Normally, a command called postnews is used to post news
     articles. This is the default choice. If you have configured
     no From: header in the previous option, you will have to add the
     sender on the command line to the postnews command. An example
     of such a command would for me be

     postnews -f kjelli -r "Kjell Irgens"

     If this doesn't work, read the documentation of the postnews you
     use carefully.

Should THOR use a From: line in mails?
     Some UUCP implementations wants a From: line in the header of
     the file that sendmail is delivered. Matt Dillons implementation
     does not want a From: line while most other do. If you are
     not adding a fromline you will have to use some arguments to the
     sendmail command, see below.

Mail sending command
     Normally, a command called sendmail is used to send off or spool
     mail. This is the default choice. If you have configured no
     From: header in the previous option, you will have to add the
     sender on the command line to the postnews command. An example
     of such a command would for me be

     sendmail -f kjelli -R "Kjell Irgens"

     If this doesn't work, read the documentation of the sendmail you
     use carefully.

When you have finished the config, you are ready to use the supplied
programs for news and mail handling, SendUUCP and ParseUUCP.

Use the SendUUCP command from the bin directory in the THOR drawer to
send off your email and postings. This command calls sendmail and
postnews on the events in THOR:

senduucp <mysystemname>

Run the ParseUUCP command from the bin directory in the THOR drawer to
parse news and mail into THOR:

parseuucp <mysystemname> [mymailbox] DELETE.

This should parse the news tree and your new mail into Thor's
database, and delete the UUCP format news and mail from your harddisk.

1.23 THOR.guide/TCP

                TCP news and email
~~~~~~~~~~~~~~~~~~~

These software tools provide an easy way receive and send news/mail
using a TCP/IP connection (like AmiTCP, AS225, MLink, etc). Tools are
provided that should satisfy both shell and GUI users.

NOTE: All the executables are compiled for AS225. To use them with
AmiTCP, you will need to install the socket.library emulation library
that is included with Grapevine or can be found for ftp at
hstud6.cs.uit.no in pub/amiga.

GetTCP is used for getting mail and news, while SendTCP is used for
sending mail and news that you have written, joining and resigning
newsgroups, etc.

ConnectTHOR is used for integrating these programs into a single
program. It also contain a nice news browser what will let you select
a newsgroup and download only the articles you want be selecting them
from a list with dragselection.

GetTCP and SendTCP can both be started from shell with arguments that
will override the configuration settings. If you want, you can run
these automatically from eg. a startnet script.

                Getting started
                 – How to configure and use the TCP modules

                ConnectTHOR
                    – The GUI interface for collection news and mail

                CfgTCP
                        – The program for configuring TCP options

                SendTCP
                        – The shell–based program for sending mail and news

                GetTCP
                        – The shell–based program for collecting mail and news

                TCP_ONLINE
                        – Variation of TCP for online usage

1.24 THOR.guide/Getting started

                Getting started with the TCP modules
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

– Enter Systems Config in THOR and create (or change an already
existing system) a system with Type set to TCP. Configure you email
address in the "Userinfo" window. As "Mail packet", you can enter
your username, and if you have mailpackets in your download dir, they
will be parsed. Otherwise, you do not have to enter anything here.

– Click on the "Type Options" gadget, a window containing various
options will come up. (See
                    CfgTCP
                     .)

– When you have configured the various options described above, you
must use the "join" option from the events menu or the dock window in
THOR to select which conferences to collect news from. This is
required even if you received several groups previously with UUCP or
SOUP. To get a complete list of newsgroups from your newsserver,
select Get Conf.List from the Dock window or the Events menu, then use
"Send Events". "Send Events" is also required when you have joined
newsgroups.

1.25 THOR.guide/ConnectTHOR

                    ConnectTHOR
~~~~~~~~~~~

ConnectTHOR is used for integrating CfgTCP, SendTCP and GetTCP into a
single program. It also contains a nice news browser what will let
you select a newsgroup and download only the articles you want by
selecting them from a list with dragselection. The options available
are:

Do All
     This option will send pending events you have created, then
     collect new mail and news, all in a single operation.

Get Mail
     This option will collect mail from your configured POP3 mailserver.

Get News
     This option will collect news from your configured NNTP newsserver.

Send Events
     This option will send pending events (eg. news and mail postings
     you have written).

Config TCP
     This option will let you configure TCP options using the
                    CfgTCP
                         program.

Browse News
     Selecting this option will make ConnectTHOR connect to your
     configured NNTP newsserver, and then open a window that

will let you interactively browse newsgroups. The following
options are available in this window:

Newsgroup
      This string gadget will let you enter manually a newsgroup
      to connect to. When you press return after having entered
      the name, ConnectTHOR will connect to this group on the
      newsserver and update the slider gadgets accordingly. If
      you enter a newsgroup not present on the newsserver,
      ConnectTHOR will warn you about this.

Group List
      If you select this option, a window containing all
      newsgroups on the newsserver will come up. (NOTE: If you
      haven't collected a list of groups using GetConfList in THOR
      and then Send Events, only newsgroups you have previously
      received messages in will come up here). You can then select
      a newsgroup to browse.

Group Hotlist
      ConnectTHOR's newsbrowser maintains a list of newsgroups
      you have previously browsed in an internal list, that
      will be saved to disk when you exit the browser. The
      message pointer will also be saved. By selecting this
      option. you will be able to select a newsgroup from this
      "hotlist" of newsgroups.

From
      This is from-message number that will be used when
      collecting the headers.

To
      This is to-message number that will be used when
      collecting the headers.

Get Headers
      This option will collect some information from the message
      headers in the current newsgroup and shown them in the
      listview in the browse window. What information you can
      collect depends on the newsserver. On most newsservers,
      you will atleast get messages numbers and subjects.
      However, INN and compatible newsservers supports sending
      more information. On these type of servers, you will
      also get the messages sizes and who wrote the message.

Get Articles
      When you have selected the articles you want, you can use
      this option to collect these articles from the newsserver.

Clear/Mark
      With clear or select all entries in the listview,
      depending on if there are selected entries or not.

Group by
      Will let you group the collected headers by MsgNr
      (default), Subject or Author.

```
    Edit Hotlist
          Will    let    you    remove   entries   from   the   hotlist
          maintained  by ConnectTHOR.
```

ConnectTHOR is also a commodity and supports the following tooltypes and
command line arguments:

SYSTEM
     This is the configured system in THOR that will be used to
     collect news and mail into, and send mail and news from.

PUBSCREEN
     This is the public screen that ConnectTHOR will use when
     first started.

USERNAME
     This is the name you log on to your account with. (See

                    CfgTCP
                    .)

PASSWORD
     This is the password to use then collecting mail from the POP3
     server. (See
                    CfgTCP
                    .)

MAILSERVER
     This is the name or IP address of the POP3 mail server to use
     when collecting mail. (See
                    CfgTCP
                    .)

NEWSSERVER
     This is the name or IP address of the newsserver (NNTP server) to
     use when collecting news. (See
                    CfgTCP
                    .)

DELETEMAIL
     By setting this option, the collected mail will be deleted from
     your mail (pop) host after it's been successfully received by
     your Amiga. (See
                    CfgTCP
                    .)

MAXMSGS
     This is the maximum number of articles to get from each newsgroup.
     By using this option, you can restrict the amount of the news you
     want to receive. (See
                    CfgTCP
                    .)

POPPORT
     If your pop server is on some other port than the default 110,
     set this to the correct port. (See
                    CfgTCP

.)

CHECKDELAY
     This is the number of minutes between each time you want
     ConnectTHOR to collect mail for you.

IMMEDIATE
     Will make ConnectTHOR collect new mail on startup automatically.

NNTPPORT
     If your news server is on some other port than the default 119,
     set this to the correct port. (See
                CfgTCP
                 .)

CX_PRIORITY
     This is the priority ConnectTHOR is to have in the commodities
     input events chain.

CX_POPKEY
     This is the shortcut that must be used to pop ConnectTHOR to
     front if it's hidden.

CX_POPUP
     Set this to YES if you want ConnectTHOR to open its window each
     time you start it.

1.26 THOR.guide/CfgTCP

CfgTCP
~~~~~~

Mail Server
     This is the server that will be used when sending and receiving
     mail. Typing in the name or IP address of your pophost/mailserver
     will do.

Username
     This is the name you log on to your account with. By setting
     the checkbox "Get from Systems Config", this login name will be
     resolved from your email address configured in THOR.

Password
     This is an optional password. By setting the "Ask every time"
     option, you will be prompted for the password before collecting
     mail. This is the best solution for security reasons.

POP Port
     If your pop server is on some other port than the default 110,
     set this to the correct port.

Delete mail from POP server
     By setting this option, the collected mail will be deleted from

your mail (pop) host after it's been successfully received by
your Amiga. This is recommended, or you will most likely get
duplicate mail every time you collect mail.

Newsserver
    Enter the name or IP address of the newsserver (NNTP server) you
    will use to get news from.

Max days
    This is the maximum number of days for news collection. By using
    this option, you can restrict the age of the news you want to
    receive. If you collect news regulary, this option can
    normally be disabled by selecting the "Don't use" option. Use it
    when you come home from a 30 days holiday :)

Date
    By using this slider, you can set the exact date and time for
    news collection. This date and time will be used when getting
    news, so that you will receive all news on the newsserver newer
    than this date and time. The "set" gadget must be used for
    these settings to take effect. NOTE: This is the time and
    date on the newsserver in GMT, not your local time.

Sockets
    This is the number of sockets (connections) to use when
    collecting news. By setting this to 2 or higher, you might get a
    30-80% speedup when collecting news, depending on your
    connection, your diskspeed, your THOR setup and your
    newsserver. 3 or 4 sockets are generally good numbers to use.
    By using more than one socket, more of the available bandwidth
    will be used.

    NOTE: The memory usage will be higher when using several
    sockets, particulary on large messages, so unless you have a
    couple of megabytes of free memory, do not use more than one
    socket here.

Edit Headers
    This option will let you edit custom header fields to be used
    when posting news or mail from THOR. Fields can include
    "Reply-To: <address>", "Organization: Not organized", etc. If
    THOR is running when you select this option, the editor
    configured in THOR will be used. Otherwise, a name of an
    editor to use must be entered in the requester that comes up.

Delete Header
    Will delete the custom header file for this system. Use this
    with caution since there is no way to get it back once it's
    deleted (except for using DiskSalv or somesuch :)

Save
    Save the configuration. If you start this program from
    ConnectTHOR, ConnectTHOR will update its internal variables
    to reflect on the configuration saved.

Cancel
    Cancel the changes and quit the CfgTCP program.

1.27   THOR.guide/SendTCP

```
SendTCP
~~~~~~~
```

SendTCP is the shell program spawned by ConnectTHOR when sending mail,
news and other pending events. Usually, this is the method prefered
for doing this, but SendTCP can also be started from shell. The
following arguments is understood and will override any setting
configured in CfgTCP:

BBSNAME
     Name of the system configured in THOR to send events from.

MAILSERVER
     This is the name or IP address of the SMTP server to use.
     Usually, this is also the name of the POP3 server, but any
     known SMTP server can be used here.

NEWSSERVER
     This is the name or IP address of the newsserver (NNTP server) to
     use when posting news replies.

PUBSCREEN
     If this argument is provided with the name of a valid public
     screen, SendTCP will open a progressbar on that screen.

1.28   THOR.guide/GetTCP

```
GetTCP
~~~~~~
```

GetTCP is the shell program spawned by ConnectTHOR when collecting
mail and news. Usually, this is the method prefered for doing this,
but GetTCP can also be started from shell. The following arguments is
understood and will override any setting configured in CfgTCP:

BBSNAME
     Name of the system configured in THOR to collect news and mail
     into.

PUBSCREEN
     If this argument is provided with the name of a valid public
     screen, GetTCP will open a progressbar on that screen.

PASSWORD
     This is the password to use then collecting mail from the POP3
     server. Usually, this is the same password you use when you
     login to your account.   If no password is provided here,

        GetTCP will ask for a password before collecting mail.

MAXDAYS
     This is the maximum number of days for news collection. By using
     this option, you can restrict the age of the news you want to
     receive.

NOMAIL
     Do not collect mail.

NONEWS
     Do not collect news.

MAILSERVER
     This is the name or IP address of the POP3 mail server to use
     when collecting mail.

NEWSSERVER
     This is the name or IP address of the newsserver (NNTP server) to
     use when collecting news.

PERIODIC
     This is the number of minutes between each time you want
     GetTCP to collect mail for you.

SOCKETS
     This is the number of sockets (connections) to use when
     collecting news.

USERNAME
     This is the login username to use when collecting mail.

POPPORT
     If your pop server is on some other port than the default 110,
     set this to the correct port.

DELETE
     By setting this option, the collected mail will be deleted from
     your mail (pop) host after it's been successfully received by
     your Amiga.

1.29 THOR.guide/TCP_ONLINE

TCP_ONLINE system type
~~~~~~~~~~~~~~~~~~~~~~~

The TCP_ONLINE type may be used if your Amiga is connected to the net
at all times.   The difference from TCP is that messages you write
automatically are sent when you leave the system. Used along with the
PERIODIC argument to ConnectThor or gettcp, sending and recieving of
mail and news does not require any interaction with ConnectThor or
sendtcp/gettcp.

1.30 THOR.guide/Scripts and communication

```
              Scripts and communication
~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

Like other offline readers, THOR is made to save online time.
Obviously, you save most time when your logons are automated with
scripts.

When you create a system, a little script in the NComm script language
is created in the Scripts/ directory. This script will look something
like this:


```
   SET $BBSName = "Ultima Thule"
   varfile "ENV:THOR/THORPath"
   readvar $THORPath
   varfile close

   CHAIN $THORPath"scripts/<TYPE>.NComm.script"
```

TYPE in the above script is the system type to defined for the system
in the Systems Configuration in the ConfigTHOR program.

(Please see Installation.guide/How to set up NComm with the THOR scripts
for further details.)

Related subjects:

              NComm

              Other communication programs

1.31 THOR.guide/NComm

```
NComm
~~~~~
```

The scripts supplied with THOR are made to work under NComm 2.0 or
higher. These scripts are only for ABBS/MBBS, BBBS and UQWK_SOUP, and
will not work as they are on other systems. However, if you want to
write your own script for another communication program, we will be
pleased to help you as far as we are able to. Scripts for other
system types are also welcome.

(Please see Installation.guide/How to set up NComm with the THOR scripts
for further details.)

1.32   THOR.guide/Other communication programs

Other communication programs
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

NComm 2.0 or higher is the only communication program supported with a
script from us at this time. It should be possible to write scripts
for other programs, but such scripts generally tends to be fairly slow
and unusable on comm-programs with only ARexx as script language.

Please feel free to contact us for help on this if you want to write
scripts for your favorite program.

1.33   THOR.guide/Startup_Window

Startup Window
~~~~~~~~~~~~~~

This is where you select a system to read messages from. It should be
fairly self-explanatory as the only functions are 'Rescan' and 'Open'
along with a pick list of systems.

'Rescan' looks for new mail packets in your download directory while
'Open' enters the selected system.

The 'Systems' list needs a little explaining. Displayed here are the
names of all bulletin boards / Internet systems you have configured in
Systems Configuration in ConfigTHOR. You may select any of them to
open for reading.

You can select a system in one of these ways:

- Double-clicking with the mouse on a system opens this for
   reading and un-archives any message packets that might be
   waiting for this system (Same as pressing Open.)

- The cursor keys can be used up or down to select a system.

- Pressing Return/Enter on the keyboard or 'o' for 'Open' opens
   the currently selected system.

- The 'Open' gadget opens the currently selected system.

This list also has some "flags" to the left of the system name which are
used to give you information:

* - This means that you have 1 or more mail packets waiting for this
      system in the download directory.

U - This means that there are unread messages on this system.

E - This means that you have events outstanding on this system.

+ – This means that there are unread messages to you on this system.

NOTE: Holding down one of the Shift-keys on the keyboard while
entering a system, will make THOR skip the parsing of any message
packets that might be waiting in the download directory.

1.34   THOR.guide/Main_Window

                Main Window
~~~~~~~~~~~

This is the reader window, and you don't need any other windows open
to use THOR. The Main Window contains all information on the current
message (sender, receiver, date, subject, etc.) along with the message
text. (See
                Message_header
                .)

The Main Window also contains a status line where conference, internal
(THOR) message number, system name and various statistics are shown.
It is also used for displaying various messages.

The size and position of all these windows are saved along with the
visual options. (See
                VisualOptions_Window
                .)

The buttons in the Main Window are explained in detail under

                Message_reading
                .

1.35   THOR.guide/Newfiles_Window

Newfiles Window
~~~~~~~~~~~~~~~~

Many systems send you a list of new files since your last logon. This
window is used to display that list. If the system type for this
system supports downloading of files, clicking on a file in the
Newfiles Window can be used as an interactive way to get files from
the system.   Scrolling horizontally and vertically in the list is
supported with the cursor keys in combination with the Shift key.

This window's size and position is saved when you save the visual
configuration.   If the window is open when you save, it is opened
automatically in your next session.

1.36   THOR.guide/Function_dock

              Function dock
~~~~~~~~~~~~~

Not all System Types will support every function.   Gadgets not
supported by the System Type will not be present in the dock.

              Get ConfList
                    -    Request the conference list.

              Download
                        -    Request a file to be downloaded.

              Upload
                        -    Upload a file to the system.

              Resign
                        -    Resign (drop) conference.

              Join
                          -    Join conferences.

              Send Userinfo
                  -    Send userinfo about yourself.

              Catchup
                        -    Mark all unread messages in the conf as read.

              Pack-Purge Msgs
                 -    Pack/purge messages.

              Events
                        -    Open the event window.

              Show
                          -    Switch between all, unread and search read mode ←
                          .

              Group by
                        -    Sort messages in different ways.

1.37   THOR.guide/Get ConfList

Get ConfList
~~~~~~~~~~~~

Choosing this function will request the conference list the next time
you call the system.   This is required for THOR to update the
conference flags correctly.   This function is not available on all

system types.

1.38   THOR.guide/Download

Download
~~~~~~~~

This brings up a requester asking for a filename for a file that will
be obtained from the remote system on the next call. This function is
not available on all system types.

1.39   THOR.guide/Upload

Upload
~~~~~~

This window is used for uploading a file to the current system.
The following options are available:

System Filename:
     This is the name the file shall appear as on the system. This
     name can differ from the file name on disk. The "File" gadget
     brings up a requester with your configured upload directory as
     default. It is not possible to enter a name here without having
     selected a file on disk first.

Description:
     You can enter a short file description here.

PrivateTo/Private:
     This is used if you want to make the upload private to a person.

Conference/Private:
     If you fill in this field, the uploaded file will only be
     available for members of this conference. You cannot both make an
     upload private to a person and to a conference.   No checking
     is done to see if files actually CAN be uploaded private to the
     conference you enter here, so be SURE that the conference accepts
     files private to it!

Detailed Description:
     If you choose this flag, the editor is brought up when you
     choose "Ok" and you can enter a detailed description for the file.

Download Notification:
     Lets you have a notification when anyone downloads the file from
     the system. This function is not available on all system
     types.

The upload function is not available on all system types. If upload

is ghosted you will have to do this manually.

1.40   THOR.guide/Resign

Resign
~~~~~~

Choosing   this   function   brings   up   a   requester   with   the   current
conference's name as default.   You can enter any valid conference name
here and you will be resigned from this conference next time you call
the system.

1.41   THOR.guide/Join

Join
~~~~

You   may   select conferences from the list shown here, and you will be
made   a   member   of   this   conference,   provided   that   this   is not a
restricted   area   on   the   system.   This window will also let you use
wildcard search (with automatically selection) for conference names.
You can use multiselection to select more than one conference.

1.42   THOR.guide/Send Userinfo

Send Userinfo
~~~~~~~~~~~~~

On system Types supporting it, this function will let you enter
information about yourself for other users to examine.

1.43   THOR.guide/Catchup

Catchup
~~~~~~~

This   function marks all unread messages in the current
conference as read (will not effect messages with the SuperUnread flag
set).

1.44   THOR.guide/Show

                        Show
~~~~

THOR operates in three basic modes, "Unread", "All" and "Search". The
Unread mode is used for reading only new messages, the All mode lets
you read all messages, while the Search mode is used for browsing
messages found in a previous message search.

Some aspects of the message reading behaves different in these three
modes. Messages which are unread by you will not be marked read if in
All mode, the list of conferences in the
                Conference_Window
                 shows all
conferences when in All mode and you are not allowed to choose
between only viewing the conferences with unread messages in and all
conferences.

The
                Messagelist_Window
                  shows only the Unread messages when in Unread
mode, while it shows all messages in All mode. In Search mode, it will
show all conferences with messages found in a previous message search.

If you follow a thread backwards in All mode, the nodes in the

                Messagelist_Window
                 will be updated and the current shown message will
be highlighted to reflect this. This works differently in Unread mode,
since only unread messages are shown. If you follow a thread
backwards in Unread mode, the list of messages in the Message list
Window will not be updated and will still highlight the message you
started threading on. For Unread mode, this is useful since choosing
Next msg will bring you straight back to the message after the one you
started the threading on.

1.45   THOR.guide/Group by

Grouping messages
~~~~~~~~~~~~~~~~~

Unread messages may be sorted in several ways useful for reading.
This gadget is used to change the mode of reading to one of these:

Reference:
     This mode will sort the messages and group the different
     threads together.

Mine First
     This mode will sort the messages so that all messages to you will
     come first. Other messages will be sorted in reference order.

All First
     This mode will show messages addressed to ALL first. Other
     messages will be sorted in reference order.

MsgNr
     Will show the messages in the order they were added to the
     database.

Subject
     Groups the messages by subject. Very useful for systems with a
     lot of messages, such as UseNet News.

Subject+Thread
     Groups the messages by subject, keeping each simular subject
     folded . Very useful for systems with a lot of messages, such
     as UseNet News. This group method is only useful with the message
     list window open.

Subject Alpha
     Groups the messages by subject alphabetically. This group
     method is only useful with the message list window open.

Subject+Thread Alpha
     Groups the messages by subject alphabetically, keeping each
     simular subject folded. This group method is only useful with
     the message list window open.

This setting can be saved on a system or global basis using Visual
Options from the Configuration menu.

1.46 THOR.guide/Events

                 Events
~~~~~~

Brings up a window containing all the events you have pending on the
system.   From here, you can edit, delete, freeze and activate events.
(See
                 Event_Window
                  .)

1.47 THOR.guide/Messagelist_Window

Message list Window
~~~~~~~~~~~~~~~~~~~~

This is an overview window which will contain the vital information
about a message, like the sender, receiver and subject of the message.

The current message will be highlighted with a bar. When you read
messages, the list in this window will scroll accordingly.

If a conference is set up by the packet parser to only contain
messages addressed to ALL, this window will not contain a receiver
(E.g. Usenet News). The window will change on-the-fly to reflect the
setting for each conference.

You can use the mouse and shift key to select multiple messages to
perform some operation on. Currently, you can save, delete,
set/remove the superunread flags, set/remove the keep flag, move and
print the select messages.

Note: If you have many messages in a conferences, this might take
some time. If you are a 68000 user, it might be best to leave this
window closed in these cases.

1.48   THOR.guide/Conference_Window

                    Conference Window
~~~~~~~~~~~~~~~~~

This window will contain the conferences available on the current
system. A cycle gadget at the top of window that will let you show
all conferences or only those with unread messages in. The status of
this gadget is saved by the
                 VisualOptions_Window
                 . If you are
reading messages in ALL mode (See
                 Show
                 .), this gadget will be in its
ALL state and cannot be changed.

The current conference will be highlighted with a "bar" in the window.

To the right of the conference names are several flags which will
signal what type of conference this is. These flags are not set
unless you use BlueWave format or have collected the conference list.
(See
                 Get ConfList
                 .)

The flags have the following meaning:

  + - Unread messages to you present in this conference
  * - Member of this conference
  C - Conference is compulsory
  M - Conference is a mail conference
  U - Userinfo
  R - Read-Only conference
  F - Fileinfo
  P - Private allowed

The number of messages unread in each conference will be shown before

the   conferences   name   when in Unread mode (See
                  Show
                  .), and   the
total   number   of   messages   will   be shown when in All mode (See
                  Show
                  .)

When   you   are   reading   in   Search   mode, the number of messages will
remain   constant   on   the number of messages found in the last message
search in this conference.

A new conference can be selected for reading by either using the mouse
to   click on the conference, or by using the cursor keys to scroll the
list and select a conference with Return/Enter.

1.49 THOR.guide/File_database

                  File Database Window
~~~~~~~~~~~~~~~~~~~~~

Each   system   in   THOR   can   have   its own file database.   This is the
window that is used to perform operations on this file database.

This   file database can be used to maintain a list of files from a BBS
you call, or a list of file on Aminet, etc.

The   operation   of this window might seem confusing at first, but it's
fairly   straight-forward.   Several   gadgets   are   available   in   this
window:

Areas
      When   this   gadget   is pressed in, the list in the window will
      contain the   different   file   areas available in the database
      gadget.   Several areas   can   be   selected   for some operation by
      dragselection with the mouse.

Files
      This   is   a "virtual" area where files can be sorted etc.   If you
      have any   file   areas selected and then press this gadget, all
      files in the selected   areas   will   be added to this list.   If you
      select any files here,   and   then   press   the "Hold" gadget, the
      selected files will be moved   to   the Hold virtual area.   Files
      can be download, deleted etc.   from   here.   When   leaving   this
      virtual   area, the files will still remain.

Hold
      This virtual area functions the same as the "Files" area, except
      that any files found in a search will end up here.

Date
      This   is a date that will be used when searching for files.   Note:
      If the   date   is todays date, it will not be used when searching,
      it will only be used if it is anything else than todays date.

If this date is used when searching (which means it's something
else than todays date), only files from this date will be
found in a search.

By setting a date to e.g. 10 days ago, and searching for "*",
all files newer than 10 days will be added to "Hold".

Maintenance
    When files are deleted from the database, they still take
    space on disk. By using this function, these files will be
    physically deleted from disk and won't take any space any longer.
    As an added bonus, the filedatabase will also be optimized
    and the hash tables will be expanded if the database is large.

Download
    By using this function, you can add download events for the files
    you have selected. This is only available on system types
    supporting download.

Search
    This function is used to search in the filedatabase. Two
    types of searching is available:

    1. Exact filename search, which means that the search will find
    any file matching the filename given exactly . Wildcards are
    supported, so a search for "ABBS#?" will find all files starting
    with "ABBS" in the name.

    2. Keyword search, which means that the search will include
    both filenames and descriptions. Standard AmigaDOS wildcards can
    be used, and all found files will end up in the "Hold" area.

    The search can be restricted by selecting the File Areas to
    search in before selecting this function.

Sort
    This function will, if selected while Areas is the active view,
    sort the areas in the database either on disk or only in the
    window. If "Files" or "Hold" is active, the files will be
    sorted in the current view. If sorting files, you can also
    selected whether to sort after filename, number of downloads,
    date, or description.

Remove
    This function will remove from the window the selected areas of
    files. It will not have any effect on the organization of the
    areas/files on disk.

Delete
    This function will delete the selected areas/files from disk.
    Use of "Maintenance" might be useful if you have deleted any
    areas of many files.

Clear/Mark
    If any areas/files are selected, this function will de-select
    all selected items.

If no areas/files are selected, this function will instead select
all items in the current view.

Save
    This function will let you save to disk or clipboard the
    all/selected areas/files in the current view. The list saved
    to disk/clipboard will look exactly like the list shown in the
    current view.

Invert
    If any areas/files is selected, this function will deselect these
    any instead select those previously not selected.

Several ARexx-scripts are available the uses the filedatabase for
various operations, here are a few of them:

In the "rexx/" directory:

AddFileList.br   - Adds a ABBS filelist to the database. No
                              checking for already existing files is performed.
AddAmiNetFileList.br   - Adds a Aminet INDEX/RECENT file list to the
                              database. No checking for already existing
                              files is performed.
ClearFileDataBase.br   - Clears the file database for the given system.
FindFile.fse   - Lets you search in the database from the internal
                              Full Screen Editor in THOR and include the found
                              files at the current cursor position.

Several example scripts using the file database is also available in
the "rexx/examples/" directory.

The position and size of this window is saved with the rest of the
settings in the
                VisualOptions_Window
                   .

1.50 THOR.guide/User_database

                User Database Window
~~~~~~~~~~~~~~~~~~~~~

The user database window consists of an overview of the users in the
database, and some options to add and edit user records.

This window consists of several gadgets:

Users in database
    This is a list of all the users on the user database, sorted in
    the order they were added to the database. To the far left is
    the user name, the next field is for any alias that might be
    configured for this user. Next comes the date this entry was
    added to the database, and to the far right is any comment that

might be associated with a user.   Several users can be
selected with multiselection with the mouse and the shift key
deletion.

Sort
    This function will sort the user entries in the window
    alphabetically, but the result will not be updated on disk.

Delete
    This function will delete the selected user(s) from the user
    database. That is, the users will only be marked as deleted,
    but won't physically be deleted from disk until the
    "Maintenance" function is used.

Save
    This function will update the currently selected user with
    the information contained in the various string gadgets in the
    window.

New
    This function will let you add a new user to the database. When
    you have finished entering the information you want, select "Save"
    and the user will be added to the user database.

Maintenance
    This function will optimize and remove out deleted entries from
    the user database.

Name
    This is the user name of the currently selected user. This field
    will be used for loopup when entering messages.

Alias
    This field contains the alias you want the user to be known under.
    By using this field wisely, e.g. all you close personal friends
    could be given the same "friend" alias and by entering "friend" in
    the username field when entering a message, you will be given
    the choice to send the message to all users with "friend" as alias.

Address
    This entry usually contain the email address (or the
    equivalent depending of the system type).   This entry will
    also be used for loopup when entering a message, although the
    user name got a higher priority.

Comment
    This field is for adding any comment you might want to an user
    entry.

A typical user entry on Internet might look something like this:

     Name: Petter Nilsen
    Alias: thor-guy
  Address: pettern@powertech.no
 Comment: This guy is one of the THOR authors

See the Arexx-script Adduser.thor located in rexx/ for an example of

using the user database from ARexx.

The position and size of this window is saved with the rest of the
settings in the
                    VisualOptions_Window
                       .

1.51   THOR.guide/Kill_database

Kill/Emphasize Database Window
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

This window contains one of the most powerful features added for THOR
2.0, namely a way to sort out unwanted and special messages
automatically. A "kill" option has been fairly common in Usenet
news-readers for a while now. With the introduction of THOR 2.0, we
expanded this concept further.

A "kill" entry is basically a description on what messages you do
not   want to read when reading messages. If e.g. you do not want
to see any messages from the user "Marc Barrett", you simply add a kill
on the user name "Marc Barrett", and all messages matching this "kill"
will be marked as read automatically when imported into THOR's
database, so you will not see the message when reading normally.

Likewise, an "emphasize" entry will notify you about any matches found
for this "emphasize" entry. If e.g. you want to be notified
specially about messages from "Dave Haynie", you simply instruct THOR
to mark all messages matching his name as "Important" or "Urgent". A
Haze level can also be used when "emphasizing" messages (more about
this later).

The Kill/Emphasize database consists of two windows. The first window
is for listing of the current active kills/emphs and contains the
following gadgets:

Active Kills/Emphasizes
     This will contain all active kills/emphasizes in the database.
     By using the mouse of the cursor keys, you can select a
     kill/emphasize for editing or deletion.

New
     Selecting this function will open the kill/emphs edit window with
     all fields unselected. You can now enter the information you
     want this kill/emph to contain.

Edit
     This kill/emph edit window will be opened with the information
     from the currently selected kill/emphasize.

Delete
     This function will delete the currently selected kill/emphasize.

Maintenance
     This function will remove deleted entries in the beginning of the
     list of kills/emphasizes.

When selecting either New or Edit from the window listing the
current kills/emphasizes, a new window will open with several
gadgets that allows to you be very specific about the
information you want to trigger the kill/emphasize on message:

From-Name
     This is the name of the sender of any message THOR is to trigger
     the kill/emphasize on.   When the checkmark is not set, this
     field is not used. Standard AmigaDOS wildcards are allowed.

From-Address
     This is the address of the sender of any message THOR is to
     trigger the kill/emphasize on. When the checkmark is not set,
     this field is not used. Standard AmigaDOS wildcards are allowed.

To-Name
     This is the name of the receiver of any message THOR is to trigger
     the kill/emphasize on.   When the checkmark is not set, this
     field is not used. Standard AmigaDOS wildcards are allowed.

To-Address
     This is the address of the receiver of any message THOR is to
     trigger the kill/emphasize on. When the checkmark not is set,
     this field is not used. Standard AmigaDOS wildcards are allowed.

References
     This entry is only useful on Usenet-type of systems where
     messages contain a "References:" field. This field can
     contain reference strings that THOR is to trigger the
     kill/emphasize on. When the checkmark is not set, this field
     is not used. Standard AmigaDOS wildcards are allowed.

Subject
     This is the subject of any message THOR is to trigger
     the kill/emphasize on.   When the checkmark is not set, this
     field is not used. Standard AmigaDOS wildcards are allowed.

Msg Text
     This field can contain any word combination in the main message
     body that THOR is to trigger the kill/emphasize on. When the
     checkmark is set, this field is not used. Standard AmigaDOS
     wildcards are allowed.

Conferences
     This field contain the conference this kill/emphasize will be used
     in. When the checkmark not is set, this field is not used.
     Standard AmigaDOS wildcards are allowed. Any conference can be
     selected from the list of conferences in THOR by pressing on the
     select button with the left mouse button.

Type
     4 types of trigger methods are available when setting
     up a kill/emphasize, Kill , Keep , Important and Urgent .

Kill
By using this method, all messages matching the information given
will be marked as read when imported into the THOR message
database.

Keep
By using this method, all message matching the information given
will be marked with the KEEP message flag when imported into
the THOR message database.   This means that this message will
remain in the database until you choose to clear the KEEP flag
manually from the message. Packing/Purging of conferences will
not affect any message with the KEEP flag set.

Important
By using this method, all messages matching the information given
will be marked with the IMPORTANT message flag when imported
into the THOR message database. When such a message is read,
THOR will DisplayBeep the screen as if the message was
addressed to you. The top of the message body will also contain
the words "∗∗∗ This message is marked as IMPORTANT ∗∗∗" in bold
letters.

Urgent
By using this method, all messages matching the information given
will be marked with the URGENT message flag when imported into
the THOR message database. When such a message is read, THOR
will DisplayBeep the screen as if the message was addressed to
you. The top of the message body will also contain the words
"∗∗∗ This message is marked as URGENT ∗∗∗" in bold letters.

Haze
This feature is named after Dave 'hazy' Haynie.

On emphasize, any matching message can be given a special Haze
Level.   The   various   haze-levels   are defined in the
Global Configuration in ConfigTHOR and defines the minimum number
of days the message is to remain in the messages database before
it can be purged.

Save
Will save the current kill/emphasize to disk. The next time
you import messages into THOR on this system, this kill/emphasize
will be checked.

Get Current Msg
This function will fill in the available information from the
current message shown in the main window (if any) in the
appropriate fields in the window.

Cancel
Cancel the editing.

A typical emphasize might look something like this:

```
+--------------------------------------------------------------+
|  From-Name: Dave Haynie        From-Address: #?scala.com      |
```

```
|    To-name: <none>                    To-Address: <none>              |
| References: <none>                      Msg Text: <none>              |
|    Subject: <none>                   Conferences: comp.sys.amiga.#? |
|                                                                        |
|       Type: Important                       Haze: Level 1             |
+------------------------------------------------------------------------+
```

NOTE:
Use as few fields on a kill/emphasize as possible. Useless
information will only make the prosessing slower and might even make
you miss a kill/emphasize if you are too strict on the information
supplied. Less is more.

For a kill/emphasize to match a message, all configured fields must
match.

1.52 THOR.guide/Event_Window

                 Event Window
~~~~~~~~~~~~~

In this window all events pending on a system are displayed. You can
navigate through the list by using the cursor keys or the mouse. Some
functions are available:

Edit Data:
     Lets you edit data on the event. Most events can be edited.

Edit Text:
     Lets you edit the message text assosiated with most events.

Delete:
     This function will mark the highlighted event as deleted. You
     can still undelete (with activate) the event until the
     ScriptServer (See
             ScriptServer-CfgType
             .) has marked all events
     as done or you have uploaded the reply file successfully (with
     QWK/Hippo/SOUP/Fido).

Freeze:
     Delays the event (put it on ice) until the Activate function is
     used.

Activate:
     Will activate a frozen or deleted event.

The position and size of this window is saved with the rest of the
settings in the
             VisualOptions_Window
                 .

1.53   THOR.guide/Search_Window

                      Search Window
~~~~~~~~~~~~~

This window is used for searching in the message database. The
following options are available:

String
     The string you want to search for. The search is not
     case-sensitive. Several can be defined by separating the
     strings with a ',' (comma). All the given strings must be
     found in a message if it is to be treated as a search "hit".
     Standard AmigaDOS wildcards are allowed.

MsgText+Subject/Subject/None
     MsgText+Subject:
     The message search will include both the message body and the
     subject.

     Subject:
     The message search will only include the subject.

     None:
     No text will be search for. By setting this option, and any of
     the fields From user, To user or Kept, all messages matching any
     of these fields will be found in the search.

Start Msgnr
     This field is an optional message number to start the search
     from.

End Msgnr
     This field is an optional message number to end the search on.

From user
     If you enter a username here, the search will be restricted
     to messages from this user.

To user
     If you enter a username here, the search will be restricted
     to message to this user.

Conferences
     This field might include one or more conferences separated with a
     ',' (comma).   The conferences to conduct the search in can be
     selected in the window that pops up when selecting the popup
     gadget to the right of this gadget.   All Confs will override
     any conference(s) entered here.

All Confs
     If this options is selected, the search will be performed through
     all conferences on this system. This option will override any
     conferences you might have entered in the "Conferences"-field.

Kept

        The search will be restricted to messages marked with the KEEP
        flag.

Search
        Starts the search using the supplied parameters.

Cancel
        Cancels the search.

All messages found in the search can be marked as unread or you have
the option of entering a special Search read mode that will function
mostly like the other read modes. (See
                        Show
                        .)

1.54 THOR.guide/Mark_Window

                        Marking messages from the Mark Window
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

This window is used for marking a message or a range of messages in
different ways.   Note: All operations that require a message number
or a range of messages numbers, will need the internal message number
from the message database, and not any number that the message(s)
might have on the remote system. The mark operations will only apply
to the current conference.   The following options are available in
this window, with the option's shortcut enclosed in [] brackets:

[ENTER] Mark current message as unread
        Will simply mark the current message as unread. The shortcut
        'M' (shift-m) can be used directly from the Main window and
        will do the same without opening this window. (See

                        Message_reading
                        .)

[S] Set 'last message read' pointer
        Will ask you for a message number in the current conference.
        All messages from (and including) the message number given will
        be marked as unread.

[#] Mark message with given number as unread
        Will mark the message with the given number as unread.

[D] Mark messages from given date as unread
        Will mark all messages that was written on and after the given
        date as unread.   The format of the date is DD-MM-YY, and the
        operation will not be executed if the date given is in a unknown
        format.

[G] Mark a group of messages as unread
        This option will ask for a range of message, and will mark
        all messages within this range as unread.

[T] Mark messages in this thread as unread
    Will make the current thread of messages a unread. Please note
    that this option, as all other thread functions, requires
    that thread information is available on the system you are reading
    messages on.

[U] Mark messages in this thread as read
    Will make the current thread of messages a read. Please note
    that this option, as all other thread functions, requires
    that thread information is available on the system you are reading
    messages on.

[B] Mark messages with this subject as read
    Will mark unread messages in the current conference with the
    same subject as the current message as read.

[O] Mark unread msgs not from or to you as read
    This options will mark all unread messages which is not to or from
    you as read.

[R] Find and mark messages to you as unread
    Will ask for a "from" and "to" message number. All messages in
    the current conference within the given range that is
    addressed to you will be marked as unread.

[Z] Mark unread msgs from current author as read
    All unread messages from the current author of the current
    message will be marked as read. Messages addressed to you will
    NOT be marked as read. A temporary local "kill" without the risk
    of losing messages addressed to you. Use it wisely.. :-)

[L] Mark messages from login state as unread
    Will set the message database to the unread state it was when
    you entered the system in the current session. This function is
    useful if you want to browse through the unread messages, or you
    regret having used CatchUp etc.

[C] Cancel
    Will abort and close the Mark window.

Ok
    Will start the marking of messages, with the currently selected
    mark option. If you use the shortcut from the keyboard for an
    operation, you will not have to press Ok.

1.55 THOR.guide/THOR_Full_Screen_Editor

                    THOR Full Screen Editor
~~~~~~~~~~~~~~~~~~~~~~~~~

The FSE in THOR is based on Pascal source from Mike 'MBBS' Robertson
and converted to Amiga assembler by Marius Mortensen. It has also

been improved in several aspects from the original editor in MBBS and
the FSE in Offline. The editor has been maintained and upgraded for
THOR 2.1 by Petter Nilsen, due to Marius' workload at the place he
works (Scala drives their programmers hard :)

The FSE is pretty self-explanatory (especially if you're used to using
A/B/MBBS or the good ol' WordStar (ancient tool for writing garble)).

   Click
                here
                 for an overview of the shortcuts available,
   or
                here
                 if you want a description of the menu items.

   The FSE has support both for simple
                dos-scripts
                 as well as an

                ARexx-interface
                 .

The Full Screen Editor will multitask internally in THOR, since the
editor is started as a separate cli process. THOR will communicate
with the editor(s), so that Iconify and configuration related
functions will have effect on the editor(s) too. An unlimited number
of editors can be open at the same time (only limited by your free
memory), and you can edit a message on one system while reading
messages on another.

Each time you exit the FSE, THOR will save the position, size,
insert/indent status and the XY display status.

1.56 THOR.guide/FSE_Shortcuts

                Editor Help
~~~~~~~~~~~

  Enter = new line   Backspace = delete prev char
  Home   = start line, page, message   Del   = delete current char
  End   = end line, page, message   TAB   = skip <n> columns

 Ctrl/A back a word   Ctrl/B ins.deleted lines Ctrl/C forward a page
 Ctrl/D forward one char   Ctrl/E up one character Ctrl/F forward a word
 Ctrl/G delete character   Ctrl/L toggle XY display Ctrl/N rewrite screen
 Ctrl/O open new line   Ctrl/Q exit DON'T SAVE   Ctrl/R back a page
 Ctrl/S back a character   Ctrl/T delete word   Ctrl/V insert/indent
 Ctrl/W ins.last del line Ctrl/X down a character   Ctrl/Y delete line
 Ctrl/Z SAVE and EXIT   Ctrl/K,R or W read/write file

Indent-status, insert-overwrite and whether you want coordinates shown are

remembered between sessions.

Up to 30 lines are remembered by Ctrl/Y and can be reinserted with
Ctrl/B.

Amiga-T - Inserts a random-tag from the Tag file defined in the
          ConfigTHOR program.
Amiga-V - Paste Clipboard contents.
Amiga-R - Do a ROT-13 on the section under the cursor in the text.
Amiga-M - Start/Stop learning macro.
F1-F20 - Execute macro. (Note that macros do not nest).

                  About the Editor

                  The menus

1.57 THOR.guide/FSE_Menus

                  Editor Menu-Help
~~~~~~~~~~~~~~~~~

                  Project

                  Macros

                  Miscellaneous

                  ARexx

1.58 THOR.guide/FSE_Menus_Project

The Project Menu
~~~~~~~~~~~~~~~~~

 About

   Shows some very interesting info.

 Include File... - Shortcut RAmiga-O or Ctrl-K/R

   Load a textfile or message and inserts it at the current
   cursor position.

 Save As...   - Shortcut RAmiga-A or Ctrl-K/W

   Save the message to a specified file.

```
Save/Quit        - Shortcut RAmiga-Z or Ctrl-Z
---------
   Save the message for upload to the system.  Note that the message-file
   itself may be removed after the upload.
   Then quit the editor.

Quit             - Shortcut RAmiga-Q or Ctrl-Q
----
   Abort without saving the message - a requester will ask for
   confirmation
```

1.59 THOR.guide/FSE_Menus_Macros

```
              The Macro Menu
~~~~~~~~~~~~~~~
```

```
 Learn Macro      - Shortcut RAmiga-M
 -----------
   Start/stop the learning of a macro.  Note that a macro cannot
   include another or itself.   A macro consists of keypresses.
   For more advanced macros, see
             ARexx
               .

Load Macros
-----------
   Load a file consisting of macro descriptions for the 20 f-keys
   The Editor attempts to load the file <YourThorDataDir>FSE.macros on
   startup.

Save Macros
-----------
   Save your macro-definitions.

Choose Startup-Macro
-------------------
   Lets you decide which macro to run at startup.
```

1.60 THOR.guide/FSE_Menus_Miscellaneous

```
The Misc Menu
~~~~~~~~~~~~~~
```

```
 XY-Display       - Shortcut Ctrl-L
 ----------
   Toggle the coordinate-display in the upper right corner of
```

    the window.

    Status remembered by THOR.

 2.0 Snapping

    Toggle between cursor positioning by mouse-click, or standard
    2.0 console snapping.

    This setting is remembered by THOR.

Toggle Mode   - Shortcut Ctrl/V

    Change the Autoindent/indent and Insert/overwrite status.

    Remembered by THOR between sessions.

Change Subject - Shortcut Ctrl-K/S

    Change the subject of the message.

    May not be avaiable.

Toggle Private - Shortcut Ctrl-K/P

    Change the private-status of the message.

    May not be available.

Rot13 Section   - Shortcut RAmiga-R

    Perform a ROT-13 on the section under the cursor.

Insert Tag   - Shortcut RAmiga-T

    Ask THOR for a tag from the tagfile and insert
    it at the current position in the text.

Paste Clipboard - Shortcut RAmiga-V

    Will paste the contents of the clipboard.

Help   - HELP or Ctrl/U

    Shows general help for the editor.

1.61 THOR.guide/FSE_Menus_ARexx

The ARexx Menu
~~~~~~~~~~~~~~

 Execute Script...

Pops up a requester and lets you execute an ARexx script.

```
Edit Script Definition
----------------------
   Lets you change one of the ten pre-defined ARexx-scripts.
   Select this item, followed by the script-slot you want to change.

Save ARexx Defines
------------------
   Saves the ten script-slots to the file "FSE.Arexx".

"The ten slots" - Shortcut RAmiga-1 -> RAmiga-0
---------------
   Select one of these to execute one of the scripts.
   Note that if macro-learning is on, the script won't be run until
   the macro is actually used.  (This is done to prevent double
   output in the macro.)
```

1.62 THOR.guide/FSE_DosScripts

Dos Scripts for the Editor
~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Note that the editor has the possibility of letting dos-scripts
process a message before and after the FSE gets its clammy filehandles
at the text. The scripts are called FSEScriptIn and FSEScriptOut and
are searched for in the directory you have chosen to contain your
message database in.

The scripts get the parameters filename and width supplied as command
arguments. This should be sufficient for quoting/adding of custom
tags and so on.

NB:

Due to a bug in Toolmanager's WB-startup emulation code, the full dos-
path will not be inherited by the scripts if you start THOR from TM in
WB-mode. (The same goes for archivers, external editor and all other
external programs started from THOR, of course.)

1.63 THOR.guide/FSE_Arexx

ARexx Support in the editor
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

The editor supports these commands from ARexx:

```
 XPOS           - returns cursor X-value.
 YPOS           - returns cursor Y-value.
 MAXMSGLENGTH   - returns maximum number of lines.
```

```
MSGLENGTH        - returns number of lines in this message.
LINELENGTH       - returns number of max-coloumns.
MSGFILENAME      - returns the full filename of the file in the FSE.
GETLINE [n]      - returns the contents of line number <n>, or the current
                   one if none specified..
                   returns RC=WARN if there are no lines in the message, or
                   the line requested is out of range.
QUIT             - Quit the editor without any requester.
REFRESH          - Make sure the window is redrawn.
SETPOS [X] [Y]   - Move cursor to a specific position.
                   Note that 0 is a valid argument that does not affect the
                   cursor.   You may also leave out any arguments.

                    Examples:
                        SETPOS 10,10 - moves cursor to [10,10]
                        SETPOS 10    - moves cursor to position 10 on this
                                             line
                        SETPOS 0 10  - moves cursor to line 10 with unchanged
                                             X-value.
                        SETPOS Y 10  - Moves cursor to line 10 with unchanged
                                             X-value.

                   A WARN is returned if any of the coordinates are out of
                   range.
INSERTSTRING STRING/F
                 - Insert the string supplied synchronously.  Will not be
                   noticed by i.e. macro-learning.
INSERTINPUT STRING/F
                 - Asynchronous input-routine.  The string will be inserted
                   as if it were typed at the keyboard and may include
                   control-codes like CTRL-B, CTRL-QY etc.
PASTECLIP        - Paste clipboard contents at current cursor position.
INSERTTAG        - Ask THOR for a tag and include it at current cursor-pos.
SAVEFILE [NAME]
                 - Save file.  If no name specified, requests one from user.
                   RC=WARN for error.
INCLUDEFILE [NAME]
                 - Include file.  If no name specified, requests one from
                   user.
OVERWRITE ON/OFF
                 - Changes the Overwrite/Insert status and returns current
                   status  Valid specifiers are ON=Y=YES and OFF=N=NO.
                   Returns ON or OFF depending on the current status.
AUTOINDENT ON/OFF
                 - Changes the AutoIndent status and returns current
                   status  Valid specifiers are ON=Y=YES and OFF=N=NO.
                   Returns ON or OFF depending on the current status.
PLAYMACRO NUMBER
                 - Play macro number 1-20.  Asynchronous.
DELETELINES [n]
                 - Basically a CTRL-Y in a loop.
INSERTLINES [n]
                 - Insert one or more empty lines at the current cursor
                   position (same as CTRL-O).
INSERTBUFFERLINES [n]
                 - Insert lines from the buffer.  A CTRL-B in a loop.
SENDER           - Returns the sender of the message in the FSE.
```

```
                      (not yourself, but the one that wrote the message you're
                       replying to - if any.)
 RECIPIENT        - Returns the receiver of the message you're writing.
                      (In a normal reply-situation, SENDER=RECIPIENT if it's
                       not forwarded.)
 SENDERADDR       - Returns the senders address of the message in the FSE.
                      (not yourself, but the one that wrote the message you're
                       replying to - if any.)
 RECIPIENTADDR    - Returns the receivers address of the message you're writing.
                      (In a normal reply-situation, SENDERADDR=RECIPIENTADDR if it's
                       not forwarded.)
 CONFERENCE       - On replies, returns the original conference of the message
                      in the FSE.
 SENDERDATE       - The date and/or time at which the message was written.
 ISFIRSTCALL      - Returns:
                      "ON" : This is the first time the editor is called on
                             this message (i.e. you may want to quote it.)
                      "OFF" : Edit message etc.
 NEWLINE          - The same as a <return> press.
 BACKSPACE [n]    - The same as a backspace-press.
 BEGOFFILE        - Moves cursor to beginning of file (1,1)
 ENDOFFILE        - Moves cursor to the position behind the last char in
                      the text.
 BEGOFLINE        - Moves cursor to the first char on the current line.
                      (Note that this does not include whitespace).
 ENDOFLINE        - Moves cursor to the position behind the last char on the
                      current line.
 CURRENTCHAR      - Returns the character under the cursor.  Remember to
                      check for "".
 HIDE             - Hides the editor.  The next ARexx-command sent will wake
                      it up again.
 REVEAL           - A simple nop-command to wake the editor from hybernation.
 NOP              - Do nothing.
 REQUESTNOTIFY "TEXT/A,BUTTONTEXT=BT/A"
                  - Asks THOR to show a requester,  See the ARexx-docs for THOR
                      for further details.
 REQUESTSTRING "TITLETEXT=TITLE/A,BUTTONTEXT=BT/A,INITIALSTRING=ID,MAXCHARS/N/A"
                  - Asks THOR to show a string-requester,  See the ARexx-docs for
                      THOR for further details.
 GETFSEVERSION    - Returns the version of the editor.
 GETFSEREVISION   - Returns the revision of the editor.
 FSESCREENNAME    - Returns the name of the screen this FSE resides on.
```

1.64 THOR.guide/Message_reading

```
            Message reading
~~~~~~~~~~~~~~~~
```

Several gadgets can be used for navigation through the database in
THOR.   These gadgets are present at the bottom of the main reading
window (unless you have chosen to hide them by selecting "Hide main
window button panel" under Screen Options in the global configuration
part of ConfigTHOR):

                    Message_header
                          - Information in the message header

Reply
     This will let you write an answer to the current shown message
     (if any).   See
               Reply
                 for a more complete description of
     this function.

Enter
     Does not differ from Reply except no reference text will be
     imported into the editor.

Next
     This function will go to the next message if there are any in
     this conference. If not, the next conference is entered.

Prev(ious)
     Works like the Next function except that it will go to the
     previous message.

Next conf(erence)
     If you are in All-mode, this will take you to the next conference.
     If you are in Unread-mode, which is the usual read mode, this
     will take you to the next conference with unread messages. In
     Search-mode, this will take you to the next conference with
     messages found in the message search.

Prev(ious) conf(erence)
     Works like the Next conf(erence) except that it goes backwards.

Mark
     Opens the
               Mark_Window
                 the allows you to mark messages in several
     different ways.

Reading of messages can be done by using the buttons at the bottom of
the Main Window, but most often it's more convenient to use shortcut
keys. (See
               Shortcuts
               .)

1.65 THOR.guide/Shortcuts

               Shortcuts when reading messages
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

The following shortcuts are available when reading messages (each
shortcut is enclosed in double quotes):

```
"n" "+" "."           - Go  to  next message. If there are no more
"cursor right"          messages  in  the  current  conference,  a
                        window will pop up requesting which conference to
                        read next.

"b" "p" "-" ","       - Go to the previous  message.   If there are   no
"cursor left"           previous   messages   in  the  current conference,
                        a  requester  come  up asking if you want to go to
                        the previous conference.

"N"                   - Go to the next conference.

"P" "B"               - Go to the previous conference.

">"                   - Read the first answer to the current message.
"Shift Cur. Right"      (Thread forward.)

"<"                   - Read  the message which the current message was
"Shift Cur. Left"       the answer to. (Thread backwards.)

")" "="               - Read the different answers to the message the current
"Alt Cursor Right"      message is an answer to.

"("                   - Read related messages backwards from the current
"Alt Cursor Left"       message.

"r"                   -
                  Reply
                   to the current message.

"e" "E"               - Enter a new message. (See
                  Message_reading
                  .)

"g"                   - Resign (unsubscribe) from  a conference.  The current
                        will come up as default in the requester.

"j" "J"               - Join (subscribe) a conference.

"i" "I"               - Send userinfo about yourself to the remote system.

"v"                   - Open the
                  Event_Window
                   where you can do
                        various changes to existing events on the current
                        system.

"w" "W"               - Change between viewing ALL, Unread or messages found
                        in a search.

"o" "O"               - Change between the various methods of sorting messages.

"G"                   - Order a  full  conference  list.  Will be done the
                        next time you call this system.
```

```
"d" "D"              – Download a file from this system.  The file will
                       be downloaded the next time you call.

"M"                  – Mark the current message as unread.

"m"                  – Open the
                  Mark_Window
                   which will allow
                       you to mark messages in different ways.

"u" "U"              – Open the
                  Upload
                   Window where you enter
                       information about files to upload to this system.

"C"                  – Catchup  will  mark  all  messages in the current
                       conference as read.

"a" "A"              – Will let you pack and purge all or the current
                       conference.

"ENTER"  "RETURN"    – Scrolls the current message one line towards
                       the end.

"SPACE"              – Advances the text in the current  message one
                       page forward.  If the last line in  the  message
                       text is shown, this will go to the next message.

"ESC"                – If the Main Window is active, this will close the
                       system and return you to the
                  Startup_Window
                       .
                       If the SHIFT key is also pressed, no outgoing
                       event packages will be created.
                       If any other window is selected, that window will
                       be closed.

"TAB"                – Cycles between and, if Alt–backspace is used, brings
"BACKSPACE"            to front the different THOR windows.

"CTRL Cursor Up"     – Will bring you to the top of the  message text.

"Ctrl Cursor Down"   – Will bring you to the bottom of the message text.

"HELP"               – Will give you help on the window under the cursor.

"`"                  – Will turn on/off viewing of the extra header fields
                       present on news/mail and Fido systems.
```

All thread functions requires that the system type supports reference
information.

Please note that the availability of the different functions described
here will differ from system to system. In that case, selecting an
unsupported function will not have any effect and the appropriate
gadget will be ghosted.

1.66   THOR.guide/MIME support

MIME support in THOR
~~~~~~~~~~~~~~~~~~~~~

RFC 1341:

"Since its publication in 1982, RFC 822 has defined the standard format
of textual mail messages on the Internet. Its success has been such
that the RFC 822 format has been adopted, wholly or partially, well
beyond the confines of the Internet and the Internet SMTP transport
defined by RFC 821. As the format has seen wider use, a number of
limitations have proven increasingly restrictive for the user
community.

RFC 822 was intended to specify a format for text messages. As such,
non-text messages, such as multimedia messages that might include
audio or images, are simply not mentioned. Even in the case of text,
however, RFC 822 is inadequate for the needs of mail users whose
languages require the use of character sets richer than US ASCII.
Since RFC 822 does not specify mechanisms for mail containing audio,
video, Asian language text, or even text in most European languages,
additional specifications are needed".

What is MIME? ~~~~~~~~~~~~~~ MIME stands for "Multipurpose Internet
Mail Extensions". It is the standard for how to send multipart,
multimedia, and binary data using the world-wide Internet email
system. Typical uses of MIME include sending images, audio,
wordprocessing documents, programs, or even plain text files when
it is important that the mail system does not modify any part of the
file. MIME also allows for labelling message parts so that a
recipient (or mail program) may determine what to do with them.

THOR has an extensive MIME support, even more extensive than mailers
with "MIME" in their name (pun intended).

THOR will automatically decode the following MIME types on incoming
messages:

text/plain text/richtext text/enriched message/rfc822
multipart/alternative multipart/digest multipart/mixed quoted-printable
base64

THOR will handle these types recursivly when needed.

base64 encoded binary files will get an icon in the listview that can
be clicked on to perform operations on the included file. Inline
support for viewing pictures is supported using datatypes if the
binary is recognized as a picture supported with a datatype.

THOR will handle the following MIME types on outgoing messages (sent
by you):

quoted-printable base 64 encoding

1.67 THOR.guide/Message_header

                    Message header
~~~~~~~~~~~~~~~

The message header is used to display important information about the
current message. The header is located at the top of the Main Window
and will show the following information when reading messages:

From:
     The sender of the message. If any address is available, it
     will be enclosed in <> brackets after the name.

To:
     The receiver of the message. If any address is available, it
     will be enclosed in <> brackets after the name.

Date:
     Date and time when the message was written.

Subject:
     The subject of the message.

ReplyTo:
     The message number that the current message was an answer
     to, or "NONE" if the database contains no reference to a previous
     message in the thread.

OrgNr:
     Original message number from the remote system, if any.

Replies:
     The number of replies this message has.

Flags:
     The following message flags can be present here:

     P - The message is private.
     R - You have replied to this message.
     K - The message is marked with the KEEP flag.
     D - The message is deleted from the message database.
     U - The message is unread.
     I - The message is either marked as Important or as Urgent
     S - The message is marked as SuperUnread.
In the top right corner, to the right of the message header, is two
small buttons.

The first one at the top is for turning on/off the viewing of the
extra header fields that might be present on some system types.
Currently, only Fido and news/mail systems supports this.

The second one is for turning on/off style tags support in THOR.

Please see

                    VisualOptions_Window
                      for a description on what style tags
are.

1.68 THOR.guide/Reply

Reply/Enter
~~~~~~~~~~~

This is used when you reply to the message shown in Main Window or
when you enter a new message. The following options are available:

To:
    Here you can enter or change the receiver of the message. If
    you enter a name that is not in the user-database, a window
    will pop up with suggestions of names based on what you
    entered. Click on the name you want or use the up and down
    arrows to selected a name and press enter to have it inserted
    into the To: field. ESC will leave the name as it is.

    This field may not be available, depending on the system type.

To-Address:
    If the system type uses addresses instead of or in addition to
    names, this field is available.

Subject:
    Here you can enter or change the subject of the message.

Conference:
    Here you can change the conference the reply should be entered
    into. THOR will try to fill out the complete conference name if
    you do not enter a complete name of the conference.

    The conference can also be selected from the list of conferences
    that pops up if you click on the button to the right of the field.

Private:
    With this you can change if the message is to be Private or
    readable by all. Not all systems and conferences allows you
    to change this status.

    This field may not be available, depending on which system type
    the current system uses.

Reflow:
    By deselecting this tag, the original message is not re-formatted
    in the editor. This is useful on some special messages where the
    reflow system gives an unwanted result.

Include Text:
    Option for letting you include the text of the message you

         write an answer to or not.

Extras...
     This window contains other options available when writing or
     replying to a message.

    PGP Encrypt
          Selecting this option will let you encrypt the message with
          the given receivers PGP public key.

    PGP Sign
          Selecting this option will sign the message with your secret
          PGP key.

    File Attachment
          If the system type supports it, you can select a file to
          include with the message. On Internet news/mail type of
          systems, this file will be coded using the base64 method
          and sent in a multipart MIME message. Other system types
          might use other methods for sending this file to the receiver.

    Urgent
          If the system type supports it, you can set this flag to
          signify that this message is important and should be given
          high priority. On Fido systems, this is the same as "Crash
          mail".

    Receipt
          If the system type supports it, you can set this flag to
          signify that you want a receipt message from the receiver
          when he receives this message.

    8-bit encoding
          If the system type supports it, you can set this flag to
          signify that you want this message to be coded for
          transmition over a 7-bit (that strips national characters
          etc.) On Internet news/mail system types, this means that
          the message will be encoded with a MIME method called
          "quoted-printable" (or quoted-unreadable as some like to call
          it).

When you are satisfied with this you press return (with no active
gadgets) or click on "Ok".

1.69 THOR.guide/Features for the Power User

Features for the Power User
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

This section is an overview of features that are hidden from the user
most of the time, but still offer a lot to the way THOR functions.
Most users probably won't need any of these features mentioned here,
but experienced users might find them useful.

Clipboard support in string gadgets
     When any string gadget is active, the contents of this string
     gadget can be copied to the system clipboard with "Right Amiga
     C", just like in any console window.

     Likewise, the contents of clipboard unit 0 can be parsed into
     the active string gadget by using the keyboard combination
     "Right Amiga V".

     If NewEdit is running, THOR will not use this feature but instead
     let NewEdit do the job.

Selecting conferences from a conference string gadget
     Several methods can be used to select one or several
     conferences to post a message to. In this example, let's say we
     have 3 conferences:

        comp.sys.amiga.datacom
        comp.sys.amiga.application
        comp.sys.amiga.announce

     Now, by entering just "c" and then pressing the Return key,
     all conferences starting with "c" in their name will come up
     in a list where one or several can be selected. In this case,
     all conferences will match.

     If you enter "c.s.a.d", only one conference matches the
     pattern, namely "comp.sys.amiga.datacom", so this conference
     will replace the pattern entered into the string gadget.

     What THOR does when entering "c.s.a.a" is simply to expand this
     string to "c*.s*.a*.a*" and then perform a pattern match on all
     conferences in the conference list on the current system.

     However,   if we have conferences separated with a slash,
     like "THOR/Support", the short way to enter this conference' name
     would be "t s".

     Using the cursor up/down keys while a conference string
     gadget is active will cycle through the available conferences,
     starting with the conference matching the pattern in the gadget.

     Entering "*" will open a window with a list of all
     available conferences on the current system.

Crossposting to several conferences
     By using the methods outlined above, a window with a
     list of conferences can open and let you select several
     conferences to post a message to. Selecting several conferences
     in this window can be done by using the cursor up/down keys
     and pressing space for each conference, or by using multi
     selection with the mouse.

     The selected conferences will appear in the conference string
     gadget and the message will be posted to all these conferences.
     The method used for crossposting can differ from system type
     to system type. e.g.   on QWK systems, THOR will create one event

        for each conference, while on   SOUP   and   UUCP systems,   one
        event   will   contain   all conferences.

Crossposting to several users
        By using close to the same method outlined above, it is
        likewise possible to send a message to several users. The users
        can either be entered manually separated with a ',' (comma)
        character, or by using the popup gadget and multi selecting the
        users from the list in the window that pops up.

1.70   THOR.guide/External utilities

                        External utilities
~~~~~~~~~~~~~~~~~~

Several utilities are included with THOR, including:

                    ThorStat

                    ListEvents

                    PackBBS

                    WatchTHOR

1.71   THOR.guide/ThorStat

ThorStat
~~~~~~~~

950104
                        ThorStat V3.x

        Requires an Amiga with OS compatible with Workbench 2.04.
               Requires also Magic User Interface installed.

   Copyright © 1993-1995 Ultima Thule Software, All Rights Reserved.
                Author: Eivind Nordseth & Petter Nilsen

ThorStat
~~~~~~~~
Welcome to the first ever utility for the Thor system. This utility
counts messages in your database, it also counts messages to and from
you. Which systems and conferences to count can be selected in
listviews. It is quite simple to use and understand. Just try it.

QUU ???
~~~~~~~
Yes, this a Quite Useless Utility, but is was quite useful to me. I
made this little utility to get the grips on how to make GUIs with
MagicUserInterface. And my concusion is quite clear: It is very easy
to make good and nice GUIs with MUI.

FeedBack
~~~~~~~~
Please send donations, bug reports or a list of features you would
like to have included in future releases to:

Ultima Thule Software
Attn: Petter Nilsen
Strandveien 59B
N-9007 TROMSO
NORWAY

email: thor@hstud6.cs.uit.no
    or pettern@powertech.no

Ultima Thule BBS :
  #1: +47-776-81999
  #2: +47-776-13205
  #3: +47-776-39830

MagicUserInterface
~~~~~~~~~~~~~~~~~~~
                         This application uses

                      MUI - MagicUserInterface

                  (c) Copyright 1993 by Stefan Stuntz

MUI is a system to generate and maintain graphical user interfaces.
With the aid of a preferences program, the user of an application has
the ability to customize the outfit according to his personal taste.

MUI is distributed as shareware. To obtain a complete package
containing lots of examples and more information about registration
please look for a file called "muiXX.lha" (XX means the latest version
number) on your local bulletin boards or on public domain disks.

        If you want to register directly, feel free to send

                      DM 20.- or US$ 15.-

                                to

                          Stefan Stuntz
                    Eduard-Spranger-Straße 7

```
                              80935 München
                              GERMANY
```

History
~~~~~~~

930921 - Version 1.60 Beta 2:
- Should no longer crash at startup if MUI doesn't exist.
- Fixed problems with doing Stats if only the first element in the
  listview was selected

931004 - Version 1.63:
- Fixed even more startup troubles.

940101 - Version 3.16 (by Petter Nilsen)
- Cleaned up and ported to bbsread.library v3.
- A few visual enhancements.

1.72 THOR.guide/ListEvents

ListEvents
~~~~~~~~~~

This utility is located in the bin directory and is used to get
information about the events outstanding without having to start THOR.
The command template is

ListEvents [BBSNAME] [SHORT] [FULL] [DELAY] [USAGE]

BBSNAME - bbsname if you only want the events on one BBS
                   listed.   If left out, all BBSes will be listed with
                   their events.

SHORT - Will list information in a short form.

FULL - Will also list BBSes without events outstanding.

DELAY   - Will wait the given number of seconds before returning

USAGE - Will give a command template and other information.

1.73 THOR.guide/PackBBS

PackBBS
~~~~~~~

This utility is located in the bin directory and is used to pack and
purge conferences based on the values configured in THOR. The command

```
template is


PackBBS [BBSNAME] [ALL] [QUIET] [DELAY] [USAGE]


BBSNAME - bbsname if you only want to pack the  conferences on
          one BBS.

ALL   - Will pack all conferences on all BBSes.

QUIET - Will suppress all output from this command.

DELAY   - Will wait the given number of seconds before returning

USAGE - Will give a command template and other information.

Should be perfect for a cron-job...
```

1.74 THOR.guide/WatchTHOR

```
WatchTHOR
~~~~~~~~~


------------------------------------------------------------------------
                             WatchTHOR

     Copyright © 1995 Ultima Thule Software, All Rights Reserved.

                       Author: Petter Nilsen
------------------------------------------------------------------------


WatchTHOR  is a small notification program to be used with THOR 2.0 or
higher  to  notify  you  or start a specific program when new messages
arrive  in a conference.  It is pure and can be made resident.  It can
only  be run from shell.  WatchTHOR has no code to handle startup from
Workbench,  so  do NOT start it from Workbench!  It was never meant to
be  a  do-it-all program for notification, someone else can make that.
However,  since  several  users has requested such a possibility and I
had  2  hours of free time, I decided to make something.  Whenever the
developerkit  is  made  available,  I'll  make  the source code public
domain.  But until that happens, WatchTHOR is freely distributable but
NOT in the public domain.

<insert standard disclaimer here>

WatchTHOR accepts the following arguments:

SYSTEMNAME
~~~~~~~~~~
The name of the system to watch.

CHECKDELAY
```

~~~~~~~~~~
The number of minutes between each check.

Default: 5

CONFERENCE
~~~~~~~~~~
The name of the conference to check.

Default: EMail

RUNCOMMAND
~~~~~~~~~~
The command to run when new messages has arrived in a conference.
No requester will open.

Example:

1> watchthor "news&mail" checkdelay 5

This command line will check for new messages in EMail every 5
minutes, and bring up a requester on the frontmost screen with how
many new messages that arrived.

1> watchthor "news&mail" checkdelay 5 runcommand "dsound NewMail"

Will do as the example above, except that it will run the program
dsound with "NewMail.iff" as argument.

- Petter Nilsen (pettern@icenet.no), October 29th 1995

1.75 THOR.guide/Charsets

Character sets supported by THOR
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

THOR handles messages in many different character sets. Incoming
messages are converted from the configured charset to the standard
Amiga charset (ISO). Outgoing messages are converted from ISO to the
configured charset.

Supported character sets:

ISO   - ISO Latin 1 charset.
IBN   - IBM charset used in Norway. Same as IBM CodePage 865.
SF7   - 7-bit charset. Sweden and Finland.
NO7   - 7-bit charset. Norway.
DE7   - 7-bit charset. Denmark.
US7   - 7-bit charset. USA.
UK7   - 7-bit charset. United Kingdom.
IT7   - 7-bit charset. Italia.
PO7   - 7-bit charset. Portugal.
SP7   - 7-bit charset. Espania.

```
GE7   - 7-bit charset. Germany.
FR7   - 7-bit charset. France.
IBM   - IBM charset. Same as IBM CodePage 437.
IBMM  - IBM multinational charset. Same as IBM CodePage 850.
APPLE - Apple charset.
```

THOR does not support character sets with more than 255 characters.

1.76 THOR.guide/Trouble-shooting guide

```
              Trouble-shooting guide
~~~~~~~~~~~~~~~~~~~~~~~
```

Question
    What is this "system" you talk about all the time?

Answer
    To put it simple, a system is either a perticular BBS, an
    Internet provider or a Fido site.   You can use THOR to
    read messages or postings from many systems.

Question:
    How do I choose which packet to open, and why is there no
    file requester?

Answer:
    You don't need a file requester. Instead of manually choosing
    which packet to open, THOR checks your download directory for
    packets with names matching the offset (or pattern) you have
    defined for the system in the Systems Configuration part of the
    ConfigTHOR program.

Question:
    I get the following error message when I start THOR: "Failed to
    load the configuration datafiles."

    What's wrong?

Answer:
    1.   Since the message database is located on disk, it is
    sensitive to whatever might happen to the disk. In case of a disk
    crash or similar problem, use one of the commercial or
    shareware tools that can fix such problems.   DiskSalv,
    Quarterback Tools or AmiBack Tools are all recommended for this
    purpose.

    2.   One or more of the datafiles that THOR needs might be
    corrupt or damaged.   Take a backup of your database, then use

           BaseManager
            to fix the problem. If not even that helps, you
    may have to delete the system and make a new one.

    (See

                              Repairing a damaged database
                              .)

Question:
     I have configured a system with one of the QWK types, but when I
     exit the system after having written a message, I get an
     error message stating that a file called "control.dat" can't
     be found. What's wrong?

Answer:
     PackQWK needs the file "control.dat" before a package with
     messages can be packed.   The solution is to call the system in
     question and collect a message packet which must be parsed into
     the THOR database. In this packet, the file "control.dat" is
     included and THOR/PackQWK should not give this error message
     anymore.

Question:
     When I try to configure a new system, the "Type" gadget is
     empty. Why?

Answer:
     THOR isn't installed correctly. Re-run the installation, reboot
     and try again. If you don't want to install again, you might
     execute the cfg* scripts i <YourThorDir>s/ from shell with the
     command "execute".

Question:
     When I quit THOR, it doesn't free all the memory used. Why?

Answer:
     bbsread.library uses a buffering system.   The buffers will
     not be freed immediately by the library. The library will flush
     the buffers after 5 minutes if the library isn't used anymore.
     You can flush the library manually with the "avail flush"
     command, but AmigaOS will automatically flush the library from
     memory when the memory is needed by some other program if the
     library is not in use anymore.

Question:
     The ABBS/MBBS NComm script do not seem to work at all on MBBS
     systems, and the script stops on the first prompt after it has
     written my name and password. What is wrong?

Answer:
     Make sure you have selected "English" as language on the system.

Question:
     THOR does not find programs I start from within THOR, like
     the ThorStat program, even if the directory these programs reside
     in is in my path.   I have made sure I have the correct path
     statement in my user-startup. What it wrong?

Answer:
     If you have made sure you use the ADD keyword to the path
     command in your user-startup and that this directory
     actually exists, one possible reason might be that you

start THOR as a WB Prosess from ToolManager.   The WB Startup code
in ToolManager is buggy and ignores any path, so you should
start THOR as a CLI prosess from ToolManager instead
(WBStart-handler 1.4 included with ToolManager 2.1a fixes this
problem).   THOR will inherit the path even if started from
Workbench since THOR converts itself to a cli prosess on startup.

ParM will show simular (bad) behaviour when started from WB, so
start if from CLI whenever possible.

Question:
    ARexx   scripts   won't   work   correctly   and   says   they   can't
    find "WaitForPort".

Answer:
    See the previous answer.

Question:
    THOR doesn't seem to work correctly while running on a
    MultiUser partition, what is the problem?

Answer:
    Due to a bug in MultiUsers handling of async lowlevel dos packets,
    the files in all THOR's datadirs must be set up without any user
    or group. This can be done with the following command:

    mprotect `getenv thor/bbsdatapath` RWD group RWD other RWD all

Question:
    THOR has problems unarchiving and parsing my message packets.
    What can be wrong?

Answer:
    1. Check that you do not have any extension on the MailPacket
    name in Systems Configuration. If a QWK packet is names
    "somebbs12.qwk", the correct mailpacket name will be "somebbs".

    2. Check that you have the unarchiver (Unzip, Lha, etc.) in the
    path. If you run THOR from ToolManager, make sure you start
    THOR as a CLI prosess and NOT as a WB prosess.

    3. Check the the MailPacket actually is in the format you
    have configured the system in THOR to accept.

    4. Check that you haven't configured a relative path to your
    download directory. Use the complete path or assign to this
    directory.

Question:
    I have moved my database to some other directory, but THOR will
    not find my database in the new location. What's wrong?

Answer:
    See
              Moving the installed database
               for a description on how to do
    this correctly.

Question:
     Sometimes THOR will not remove the waitpointer even when
     finished doing prosessing of data. THOR will still recognize
     mouse clicks etc.

Answer:
     This can happen with certain commodities that change the mouse
     pointer in various ways. Particular older programs (eg. QMouse)
     is known to not handle this correctly. Try running without these
     programs.

Question:
     THOR seems to be slow in adding messages to its database, what
     can be done to speed it up a bit?

Answer:
     - Turn off the "Add Users" option on the system in question in
     Systems Config -> Import/Export.

     - Open the user database window and delete all the users you do
     not   want in the database. Then select Maintenance in this same
     window.

     - Set up more buffers and higher buffer size in Global Config ->
     Database options. When using the TCP module, 2-3 buffers for each
     newsgroup you subscribe to is a good setting.

     - If you use XPK packing, turn off "Auto XPK packing" in   Global
     Config -> Database options.

1.77   THOR.guide/Repairing a damaged database

Repairing a damaged database
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

If you experience problems adding messages to the database, reading
messages or other related problems, follow these steps:

- Run the program "basemanager" with the validate switch:

  bin/basemanager validate <systemname>

  eg. bin/basemanager validate "news&mail"

- Use the ARexx script "CheckDatabase.br" with the DELETE switch:

  rx rexx/bbsread/checkdatabase.br <systemname> DELETE

  eg. rexx/bbsread/checkdatabase.br "news&mail" DELETE

- When you have preformed the steps above, select "pack/purge" on
  this system from within THOR or use the "bin/packbbs" program.

1.78 THOR.guide/Moving the installed database

```
How to move a THOR installation
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

Sometimes it might be useful to move the THOR installation to another
disk or somewhere else on the same disk. This can be done in the
following fashion:

1. Make sure you are not running THOR and flush the memory with the
command "avail flush" from a shell.

2. Move the database to whereever you want it.

3. Change envarc:THOR/THORPath to point to the new directory you have
THOR in. If you intend to use the included NComm scripts, you MUST
make sure there's a newline in this path statement due to a bug in
NComm.

4. Change envarc:THOR/BBSReadPath to point to the new directory you
have you database. The database is usually stored in a "data"-subdir
under the THOR directory.

5. Reboot.

1.79 THOR.guide/Technical descriptions

```
                Technical descriptions
~~~~~~~~~~~~~~~~~~~~~~~~
```

```
                ScriptServer-CfgType
                   - Shell utilities

                BaseManager
                        - Message database repair utility.
```

1.80 THOR.guide/ScriptServer-CfgType

```
ScriptServer/CfgType
~~~~~~~~~~~~~~~~~~~~~
```

```
********************************************************************
```

950423 - Tech dokumentation for ScriptServ and CfgType

```
************************************************************************
ScriptServ.doc
```

ScriptServ is used by the comm program script to obtain data from the
bbsread.library. The data obtained are the data about the events and the
setup for the bbs.

ScriptServ has the following parameters:

BBSNAME - Name of bbs to serve.

EVENT/N/K/M - The events the script can perform. Only events of the types
given is written to the events datafile called "T:bbsname.EVENT".

DONE/K - Number of event to mark as done.

ERROR/K - Number of event to mark with an error.

WRITECFG/S - Will write a file with configuration for the bbs. The file is
called "T:bbsname.CONFIG"

PACKAGEDONE/S - Mark all packed events as done. This should be used after a
package of events has successfulle been transfered. Example a QWK package.

RENAMEGRAB/S - Check for grabs to rename. Will give the grab a number so it
will be parsed in the correct order if there are more than one.

PRIVUPLOADFILE/K - Check if a comm program login capture from a ABBS/MBBS
BBS contain messages about private files.

UPDATEFILENOTES/K - Set the filenote of downloaded files to the short
description of the file. The description most have been catured from a
ABBS/MBBS BBS.

*********** Format of configuration file:

```
VERSION              3
BBSID                <- ID of bbs.
BBSTYPE              <- Type of bbs.
BBSDIR               <- Directory where the files for this bbs is.
POSTCONF             <- (Assumed) name of conference for private mail.
UPLOADDIR            <- Uploaddirectory.
USERNAME             <- Username configured for this bbs.
USERSTREET           <- Userstreet configured for this bbs.
USERADDRESS          <- Useraddress configured for this bbs.
USERCOUNTRY          <- Usercountry configured for this bbs.
USERPHONE            <- User phone number configured for this bbs.
NEWFILES         (y/n)
AUTOPRIVDNL      (y/n)
AUTOLOGOFF       (y/n)
USECOLORS        (y/n)
ANSIMENUES       (y/n)
BULLETINS        (y/n)
```

```
********** Format of event data file:

EVENTNR                 <- Use when marking done/error
EVENT                   <- ID number for event
<List of tags in same order and number as in type config. One on each line.>
EVENTNR
EVENT
...........
...........
and so on.



********** Event ID numbers:

EVE_ENTERMSG        0  - Enter message
EVE_REPLYMSG        1  - Reply message
EVE_JOINCONF        2  - Join conference
EVE_RESIGNCONF      3  - Resign conference
EVE_DOWNLOAD        4  - Download file
EVE_UPLOAD          5  - Upload file
EVE_CONFLIST        6  - Get conflist
EVE_CONFIGUREBBS    7  - Set correct configuration on the bbs.
EVE_SENDUSERINFO    8  - Send userinfo
EVE_GETMESSAGES     9  - Get specified messages
EVE_GETNEWFILES    10  - Get new files listing
EVE_DOCOMMAND      11  - Command the script should do
EVE_AUTOLOGOFF     12  - Autologoff on next session
EVE_RETRACTMSG     13  - Retract message from bbs
EVE_RETRACTFILE    14  - Retract file from bbs



*********** Event tags id numbers:

EV_ToName              0
EV_ToAddr              1
EV_Subject             2
EV_Conference          3
EV_RefNr               4
EV_RefOrginalNr        5
EV_RefId               6
EV_MsgFile             7
EV_Private             8
EV_LocalFile           9
EV_Directory          10
EV_FileName           11
EV_DownloadNotify     12
EV_FileDescr          13
EV_DetailedFileDescr  14
EV_FromMessageNr      15
EV_ToMessageNr        16
EV_CommandString      17
EV_Boolean            18
EV_Date               19
EV_PGPSignID          20
EV_PGPEncryptID       21
```

The different event tags are described in BBSReadRexx.doc/WRITEBREVENT.

```
--------------------------------------------------------------------------
******** Example NComm script:
; $VER: example.script 3.1 (23.04.95)

   REQUEST OFF

   set $done = "FALSE"

; Get configuration and events for the bbs. $BBSName is defined in the
; startup script.
   cli $THORPath"bin/ScriptServ \""$BBSName"\" WRITECFG EV 0 EV 1 EV 2 EV 3"

; Open configfile and read the configuration
   varfile "t:"$BBSName".CONFIG"

   readvar $CfgVer
   readvar $BBSID
   readvar $BBSType
   readvar $Path
   readvar $PostConf
   readvar $UpLoadDir
   readvar $UserName
   readvar $UserStreet
   readvar $UserAddress
   readvar $UserCountry
   readvar $UserPhone
   readvar $NewFiles
   readvar $AutoPDnl
   readvar $AutoLogoff
   readvar $UseColors
   readvar $AnsiMenues
   readvar $Bulletins
   varfile close

; Check for correct version
   if !$CfgVer == "3" then message "Incompatible version of ScriptServ"
   if !$CfgVer == "3" then goto AllDone

   cli "delete >nil: \"t:"$BBSName".CONFIG\""

   [...] ; Logon handling here.


;***************** Event loop


; There will be no eventfile if there are no events.
   if !exists "t:"$BBSName".EVENTS" then goto afterEvents
   varfile "t:"$BBSName".EVENTS"

eventLoop:
   set $done = "FALSE"

   readvar $eventnr
```

```
    readvar $event

; Loop until the end of the file is reached.
   if $eventnr == "EOF" then goto evLoopEnd
   if $event   == "EOF" then goto evLoopEnd

   if $event == "0"  then gosub EnterMsg
   if $event == "1"  then gosub ReplyMsg
   if $event == "2"  then gosub JoinConf
   if $event == "3"  then gosub ResignConf

   if  $done == "TRUE" then cli "run >nil: "$THORPath"bin/ScriptServ \""$BBSName"\" ←
       DONE "$eventnr
   if !$done == "TRUE" then cli "run >nil: "$THORPath"bin/ScriptServ \""$BBSName"\" ←
       ERROR "$eventnr

   goto eventLoop

evLoopEnd:
   varfile close

afterEvents:

   [.....] ; Rest of script and subroutines follow.

   end

;*******
EnterMsg:
   ; Read event tags for enter message event.
   readvar $conf
   readvar $sendto
   readvar $msgfile
   readvar $subject
   readvar $private
   if $private == "" then set $private = "0"
   if !$private == "0" then set $private = "y"
   if $private == "0" then set $private = "n"


   [....] ; Perform enter message event.

   set $done = "TRUE"
   return

; For more examples check out AMBBS.NComm.script
```

****
CfgType.doc

CfgType is used to make the configuration for a BBStype. It has the
following parameters:
TYPENAME   - Name of type to configure.
NEWTYPENAME/K   - New name of type is the type should be renamed. Only
                           unused types can be renamed.
MSGPARSER=MP/K   - Command to parse and add the messages recieved to the

```
                              database.
LINELEN=LL/K/N          - Max length of message lines the BBSType allows.
SUBJECTLEN=SL/K/N       - Max length of subject the BBSType allows.
FILEDESCRLEN=FL/K/N     - Max length of filedescrition.
CHARSET/K               - Which charset the bbs uses: Available charsets are
                          ISO/IBN.
AVAILSCRFLAGS=ASF/K     - Which scriptflags are available for this BBSType.
                          Hex-number with the flags or'ed.
FILENAMELEN=NL/K/N      - Max length of filenames on this BBSType.
EVENTPACKER=EP/K        - Command to pack events into a package to transfer.
NOEVENTPACKER=NEP/S     - This BBSType has no eventpacker.
EVENTARCHIVER=EA/K      - Name of archivertype to use for achiving the
                          eventpackage. The archiver must have been configured
                          in the global configuration.
NOEVENTARCHIVER=NEA/S   - This BBSType should use no archiver for the packed
                          events.
CONFIGEVENT=CFGE/M/K    - Config tags for the events. See below for docs.
DELETETYPE/S            - Delete configuration for this type.
DELETEEVENT/K/N         - Delete tag configuration for a event.
SETTYPEFLAGS=STF/K      - Set type flags for this bbstype.
CLEARTYPEFLAGS=CTF/K    - Clear type flags.
ACCEPTPATTERN=AP/K      - Pattern to match grabs with. Default is #?.
INITMSGFILE/K           - Command to initialize message files.
EXTCONFIG/K             - Command for extrernal bbs configuration.
QUOTETYPE               - Default quote type for this bbs.

A eventdescr consist of: eventnr:needtag,needtag,...:opttag,opttag,...
Examples:
cfgtype MBBS ConfigEvent 0:0,1,2,4:5 ConfigEvent 1:1,2,3,4:5
  Configures 2 evenets for the bbstype called MBBS. These are:
  - EVE_ENTERMSG (0) which needs the following tags:
      ET_SendTo (0), ET_Conference (1), ET_MsgFile (2), ET_Subject (4)
      Optional tags are: ET_Private (5)
  - EVE_REPLYMSG (1) which needs the following tags:
      ET_SendTo (0), ET_Conference (1), ET_MsgFile (2), ET_ReplyTo (3)
      ET_Subject (4)
      Optional tags are: ET_Private (5)

The definitions of each tag see ScriptServ.doc

For examples of the use of CfgType see Thor:s/cfg?bbs#? files.

If you have any questions concerning ScriptServ or bbs type configuration,
feel free to send an email.
```

1.81 THOR.guide/BaseManager

```
BaseManager
~~~~~~~~~~~
```

```
940912                    BaseManager V3.55

                          for use with BBSRead Release 2.0.
```

BaseManager is the tool to use when you experience trouble with your
database. It also contains routines to update older revisions of the
database.

BaseManager is located in the <Thor:>bin/ directory, and it has the
following parameters/flags: VALIDATE, SALVAGE and CONVERT.

VALIDATE
~~~~~~~~
Sets the validate flag for a bbs. To set the validate flag for all bbses
use "ALL" as bbs name. Use this when you have trouble adding events or
messages.

SALVAGE   (NOT IMPLEMENTED YET FOR V3)
~~~~~~~

CONVERT
~~~~~~~
Convert older versions of the bbsread.library database to the format used
by bbsread.library V3. All not-deleted information in the database will be
converted. Normaly will all messages have the same message number in the
converted database as in the old one. The same counts for events to. Only
users with current messages to or from them will be added to the new user
database.

BaseManager is normaly executed with the CONVERT switch by the Installer
script. The convertion of the database can be done /by/ /hand/ by by
executing BaseManager with the CONVERT switch.

After the convertion must you update the bbstype configuration. This is
done by executing the cfg#? scripts in the s-directory in Thor's home
directory.

Since the converted database takes some more storage place (due to speed
optimized storage) you must be sure to have *at* *least* 0.5 of the
database size as free space available on the disk. (The storage space used
can later be reduzed by using the xpk packing option.)

Remeber to take a backup before using the CONVERT switch.

HINTS & TIPS
~~~~~~~~~~~~
Always take a backup of the data before using BaseManager with the
SALVAGE or CONVERT switch..

1.82 THOR.guide/Quotes

Quotes
~~~~~~

"Thor gets TCP capability - The execellent Norwegian multipurpose
electronic mail browser, Thor, has had a support package released that
allows it to interact directly with dial-up news and E-Mail. This
turns Thor 2.0 into one of the most powerful complete electronic mail
solutions around."
  - CU Amiga, September 1995, page 112

"Never has it been easier to read email and news on the Amiga. The
program that makes it so easy is called Thor, but it is not a new
program. It's an offline reader for various BBS formats that has
grown and become the best email/news system we have seen on the Amiga
so far." [...] "The program has now got a very nice TCP-module for
handling email and news. In many ways it beats everything I've seen
on both MAC and PC." (translated from Swedish)
    - DatorMagazin, September 1995, page 50-51

"Thor 2.1 released - The shareware Thor package provides a superb
interface for mail and news handling and has been steadily improved
since its incarnation. With the advert of the newly released version
2.1, many improvements have been added not least the inclusion of the
ThorTCP package. This provides dedicated Internet Mail and News
slurping clients (NNTP, SMTP and POP3) for Thor which turns it into an
entire solution providing not only the means to read and write the
electronic mail/news but also to up/download it from your provider.
Many bugs fixed and small improvements have been added to the software
which surely make it the No.1 integrated mail and news package for the
Amiga."
    - CU Amiga, November 1995, page 106

"Thor is really the only choice for email and news handling that works
really seamlessly. One can only be more and more impressed by this
program." (translated from Swedish)
    - DatorMagazin, November 1995, page 50-51

1.83 THOR.guide/Thanks

Thanks
~~~~~~

THOR has been a team work from the start of this project in late 1992.
Many people have contributed to the project in many ways.

The authors of THOR wish to send thanks to the following:

Jacob Thyness   - for the great THOR logo on the disk labels, on our
                   Web-site and in the Startup window! Jacob is truly
                   a talented designer...

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                 - for many of the useful ARexx scripts, the ARexx

                    documentation, and for beta testing

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Roman Patzner   - for the MagicWB icon for THOR

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Christer Larsson - Swedish locale
Jean-Michel Bezeau - French locale

Additional Beta testers:

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   Ola Paulsen
   Jørn Innset
   Tommy Larsen
   Lars Dybfest
   Eirik Synnes
   Vebjørn Forsmo
   Andreas Dobloug
   Christopher Naas
   Christian Sandberg
   Nils Sudmann

....and last but not least, the hundreds of registered users of THOR
that has supported us with registrations, kind words, scripts and
comments.

THANKS!

1.84 THOR.guide/Changes

                 Changes to this documentation
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This section lists changes that have been made to this documentation
during the last few THOR releases. It is not a list of changes to
THOR itself, see the THOR.history file for these.

Changes in this doc for THOR 2.2:

- Added a separate chapter on how to repair the message database
should this be needed. (See
            Repairing a damaged database
            .)

- Updated the docs on the information shown in the userdatabase
main window. (See
            User_database
            .)

- Updated to docs on the menus to include the new options. (See

            Menus
            .)

- Updated to docs on the
            Group by
             option to include the new
Subject+Thread group method.

- Updated the docs on
            Join
             conference.

- Updated the docs on the
            Messagelist_Window
             to include information
about the new multiselection feature.

- Added docs on the new options in the
            Reply
             and Enter message
window.

- Added docs on the maintenance option in the kill/emphasize
database. (See
            Kill_database
            .)

- Added docs on the new
            WatchTHOR
             program.

- Added docs on the new shortcut for turning on/off the extra
header   fields. (See
            Shortcuts
            .)

- Added docs on the SHIFT-ESC shortcut combination. (See

            Shortcuts
            .)

- Added docs on the 2 new
            Group by
             modes Subject Alpha and
Subject+Thread Alpha.

- Added docs on the new options in the newsbrowser in ConnectTHOR.
(See
            ConnectTHOR
            .)

- The Show Headers and Show Styles buttons present in the mail
window is documented in
            Message_header
            .

- The various MIME decoding/encoding methods supported is
documented in the
            MIME support
             section.

1.85 THOR.guide/Index

            Index
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                $time
                                              Signature system

                $ver
                                               Signature system

                ABBS
                                               ABBS-MBBS

                About
                                              About

                Add conference
                                        Join

                Add Macro
                                            Menus

                Address
                                          User_database

                Alias
                                            User_database

                All Confs
                                          Search_Window

                All First grouping
                                Group by

```
Main Window
                                Main_Window

Maintenance
                                User_database

Maintenance
                                File_database

Mark a group of messages as unread
  Mark_Window

Mark current message as unread
      Mark_Window

Mark message with given number as unread
Mark_Window

Mark messages from given date as unread
Mark_Window

Mark messages from login state as unread
Mark_Window

Mark messages in this thread as read
Mark_Window

Mark messages in this thread as unread
Mark_Window

Mark messages with this subject as read
Mark_Window

Mark unread msgs from current author as read
Mark_Window

Mark unread msgs not from or to you as read
Mark_Window

Marking messages
                      Mark_Window

MBBS
                                     ABBS-MBBS

Menus
                                  Menus

Menus in the FSE
                      FSE_Menus

Message Formats
                      System types and formats supported

Message grouping
                      Group by
```