

Written By
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10/92 - Mike Lininger, Lininger Technology

This utility is now unsupported and is placed in the Public Domain...

Requires Second Sight 2.1

Type faces used in this document:

Helvetica

Monoco

No longer do you have to wait 30 to 50 minutes to backup your message base, with the message backup utility provided with host. Mantissa will work her miracle in seconds. Mantissa backups on average 2.5 megs per 60 seconds. (This could be a little less or a little more depending on your specific system hardware, level of fragmentation, and the amount of archiving you are doing within your MSGHDR and MSGTXT files.)

Mantissa is fast! But, she also offers extreme flexibility when deleting old messages. You can now delete old messages by day limit, section limit or both. Plus you can set limits and archive old deleted messages in each section independently.

The following is a list of features in Mantissa 3.2.

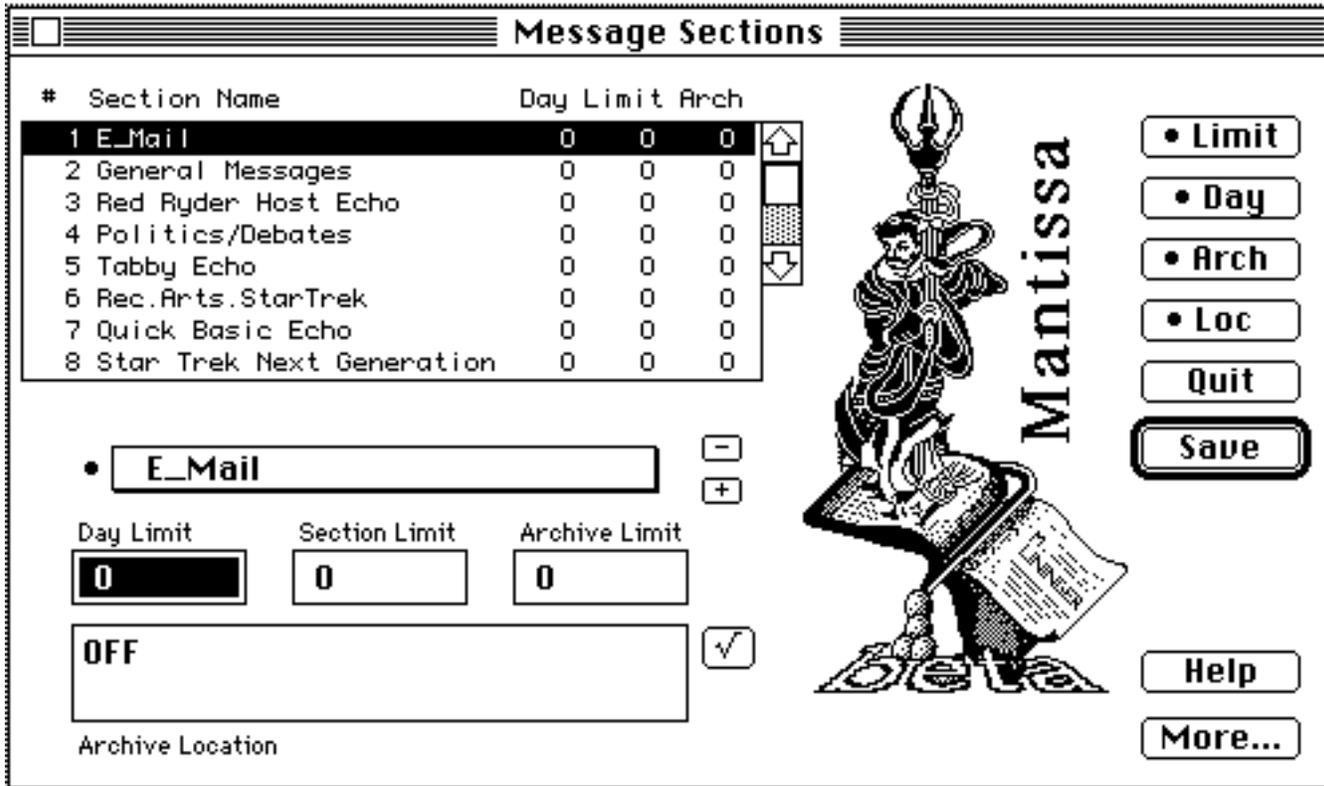
Each message section can have a unique:

- Day limit (0-999)
- Section Limit (0-999)
- Archive Limit (0-999k)
- Archive Location (any valid path)
- Archives can have unique or the same archive path
- Individual Day/Limit ON/OFF Delete Markers
- nonSection messages are automatically deleted
- Global Limit Set Option
- Global Day Limit Set Option
- Global Archive Limit Set Option
- Global Archive Location Set Option
- Control 'set' Buttons for Setting unique Pathnames
 - Multiple ways to move from section to section
 - List Manager Scroll Feature
 - Popup Menus
 - Control Button Forward/Reverse
 - Menu Commands
 - Command Keys
- On Line Help
- Full Support of Mac Interface
- On Line Help
- Delete by Age Only
- Delete by Limit Only
- Delete by both Age/Limit
- Master Archive On/Off switch
- Individual Delete/Limit ON/OFF Markers
- Renumber Messages
 - Renumber Forward from message #1
 - Renumber Reverse from high Message No.
 - Renumber Userlog, High message last read
 - Renumber on Specified Dates Only
- Renumber on Specified Dates Only
- Use STR's or Text file for saving settings.
- Network and Remote Maintenance supported
- Turn Mantissa Log On/Off
- Select Location and Name of Mantissa Log
- Epistle Generator
 - On/Off Epistle Generator
 - Max. Message Level Show Clearance
 - Select location/name of Epistle Report
- Keep .Bak's or discard them
- Security marker for High Clearance sections
- Major speed boost over 1.0
- Tabby Compatible or Standalone

To Configure Mantissa 3.2:

Launch it (Double Click on application) and hold down the mouse key while it loads. Give

it a second or two to load the necessary STR's or Text File. This will bring up the Configure Menu:



This is window one of two. This window is the key window; most of the editing and changing, over time, will be done at this window (the reason for it to be displayed first.)

There is a lot of information contained in this window and a number of ways to navigate it.

First lets review how to move from one message section to another. There are five ways to do this, which way you choose is up to you.

- i.
- | # | Section Name | Day Limit | Arch |
|---|--------------|-----------|------|
| 1 | E-Mail | 0 | 0 |

Use the mouse and click on the section you wish to edit. If it is not visible then use the scroll bar on the right to move up or down until the section you are interested in is in view. Select it by clicking one time on it.

- ii.
- | | |
|---|--------|
| • | E-Mail |
|---|--------|

The second method of navigation is to use the popup menu feature. Position the mouse

over the message section box in the middle-right of the window. Click and hold down the mouse key. This will popup a menu bar with all your messages sections listed. Move the mouse up or down (while holding the button in) until the section you are interested in is highlighted. At that point release the mouse key. This section now becomes the active area.

iii.



The third method is to click on the '+ plus' or '- minus' buttons located to the right of the Popup menu bar. Clicking on the '+ plus' button will advance you forward one message section. Clicking on the '- minus' button will move you one message section in the reverse direction.

iv.

The fourth method is to use the Menu Options, Forward and Reverse, located under the Edit Menu.

v.

The fifth method is to use the command keys 'Command F' for forward and 'Command R' for reverse. These correspond with the menu options mentioned above.

Use one of the five methods mentioned above to select the message section you wish to edit. Once the section is selected you will move your attention to the 4 edit fields located in the bottom right of the window.

Day Limit	Section Limit	Archive Limit
0	0	0
Archive Location		
OFF		

Position the mouse pointer over the field you wish to edit and click or use the tab or return keys to move from field to field.

Day Limit:

Day Limit

This is the maximum number of days that a message can remain active. For example: if you would select '30' the all messages in that sections older than 30 days will be deleted. Each section can have a unique day limit. Valid ranges are from 0 to 999. **NOTE:** If you select **0 (zero)** then all messages in that section will be deleted. If you set this option to **-1 (Negative One)** then no message in that section will be day deleted - it turns the day delete for that section off.

Section Limit:

Section Limit

This is the maximum number of messages that this individual section can contain. For example: if you would select '200' then all messages in that section that exceed the 200 limit are deleted. Each section can have a unique section limit. Valid ranges are from 0 to 999. **NOTE:** If you select **0 (zero)** then all messages in that section will be deleted. If you set this option to **-1 (Negative One)** then no message in that section will be limit deleted - it turns the limit delete for that section off.

Archive Limit:

Archive Limit

This is the maximum number of Kilobytes that this archive (text file) section can contain. For example: if you would select '50' then all messages in that archive file that exceed the 50 Kilobyte limit are deleted. Each section can have a unique archive limit. Valid ranges are from 0 to 999. **NOTE:** If you select **0 (Zero)** then the archive feature for that section is turned off and no archiving will take place. To select a location for the archived file, see next option.

Archive Location:

Archive Location

This is the location of the text file where old deleted messages from the selected section are archived to. You may use the control check button to auto-select the location and name. **Note:** if you end the pathname with a colon: dd80:bbs:arc: then mantissa will append the

appropriate message section name to the text file. **NOTE:** If you type in the word **OFF** then mantissa will turn off any archiving for this message section. Message sections may share the same archive text file. Each section can have a unique location and file name. Archive limit for this section must also be greater than **0 (zero)** for archiving to take place.

Setting Global Limits:

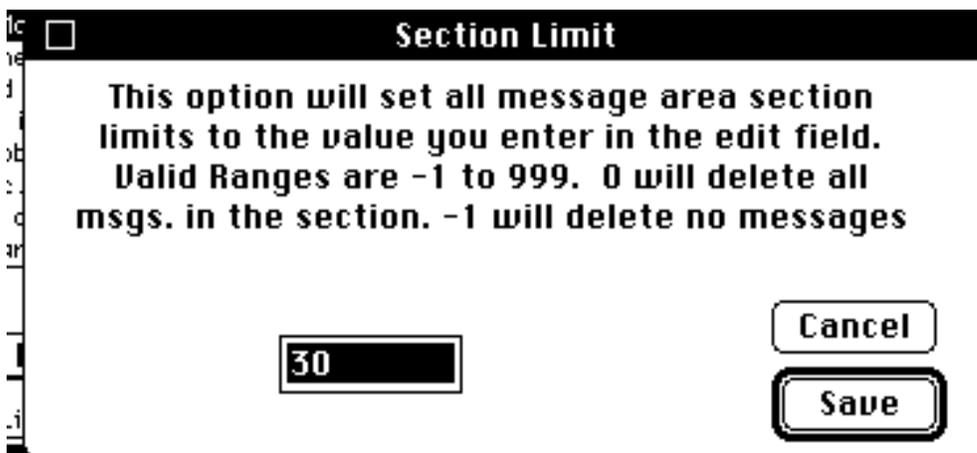


If all your sections will have more or less the same values for Day, Section, archive or archive locations then you may select limits globally. To do this click on one of the top four buttons in right side of the window. Click the button for the limit style you wish to set.

Section Limit:



This button deals with setting global section limits. When you click on this button the following window will appear.

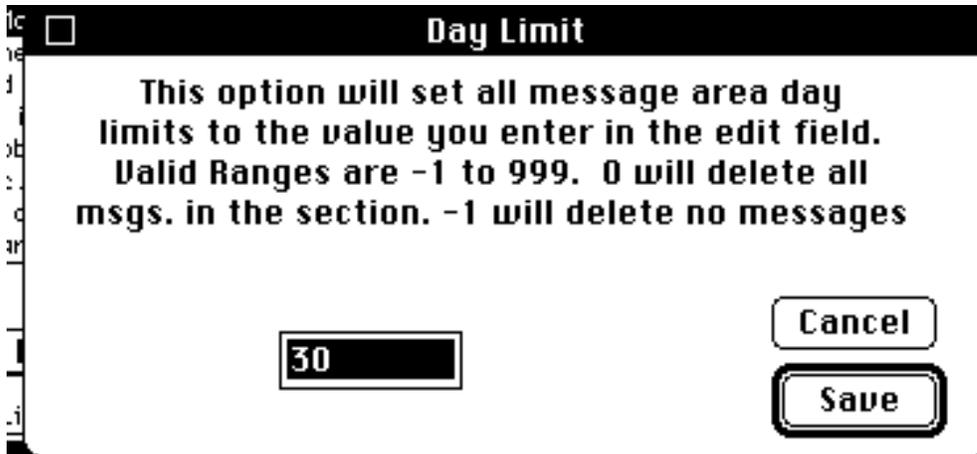


Type in the maximum number of messages you wish to retain in each message section. Click on the 'Save' Button, to set all sections to this new section limit. Clicking on the 'Cancel' button will make no changes at all. **NOTE:** If you select **0 (zero)** then all messages in all sections will be deleted. If you set this option to **-1 (Negative One)** then no messages in any section will be day deleted - it turns the limit delete for all sections off.

Day Limit:

• Day

This button deals with setting global Day limits. When you click on this button the following window will appear.



Day Limit

This option will set all message area day limits to the value you enter in the edit field. Valid Ranges are -1 to 999. 0 will delete all msgs. in the section. -1 will delete no messages

30

Cancel

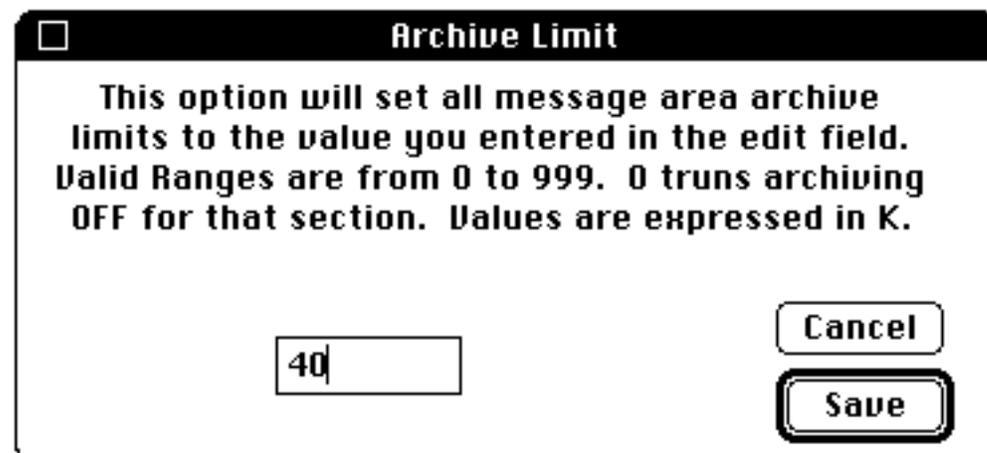
Save

Type in the maximum number of days you wish messages to remain in each message section. Click on the 'Save' Button, to set all sections to this new day limit. Clicking on the 'Cancel' button will make no changes at all. **NOTE:** If you select **0 (zero)** then all messages in all sections will be deleted. If you set this option to **-1 (Negative One)** then no messages in any section will be day deleted - it turns the day delete for all sections off.

Archive Limit:

• Arch

This button deals with setting global Archive limits. When you click on this button the following window will appear.



Archive Limit

This option will set all message area archive limits to the value you entered in the edit field. Valid Ranges are from 0 to 999. 0 truns archiving OFF for that section. Values are expressed in K.

40

Cancel

Save

Type in the maximum number Kilobytes that you wish all sections to contain. Click on the 'Save' Button, to set all sections to this new archive limit. Clicking on the 'Cancel' button will make no changes at all. Note: setting this value to 0 will turn off archiving for all message

section. Values are expressed in Kilobytes. a limit of 20 would mean $20 * 1024 = 20480$ bytes.

NOTE: If you select **0 (Zero)** then the archive feature for all sections is turned off and no archiving will take place. To select a global location for the archived file, see next option.

Archive Limit:

• **Loc**

This button deals with setting global Archive locations. When you click on this button the following window will appear.

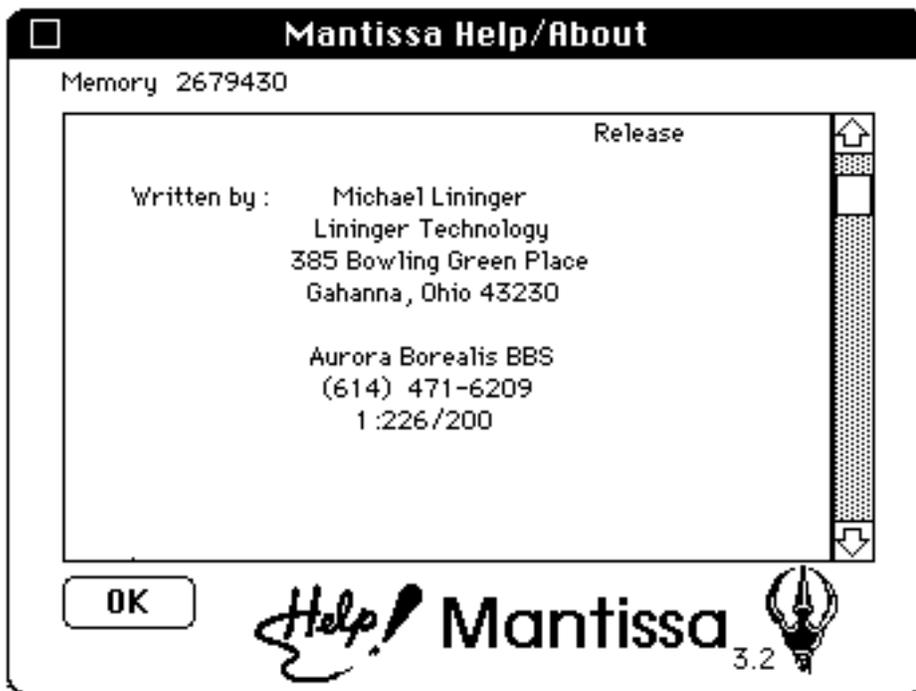


Type in the pathname or pathname and filename where you want all archived files to be located. Click on the 'Save' Button, to set all sections to this new file location. Clicking on the 'Cancel' button will make no changes at all. Note: If you end the pathname with a colon ':' then mantissa will append it's own section names for the areas to be archived. If you supply a filename at the end of the path then all messages will be archived to that one file only. **NOTE:** If you type in the word **OFF** then mantissa will turn off any archiving for all message sections. Message sections may share the same archive text file. Each section can have a unique location and file name. Archive limit (above) must also be greater than **0 (zero)** for archiving to take place.

Help Button:

Help

Clicking on this button will pop up a help/about window that covers what these docs to.



Scroll through the data, using the scroll bar on the right, till you find the information on the feature you have questions about. To quit click on the close box or the 'OK' button.

That about wraps it up for this window. Of course the:

Quit

Save

buttons do what they say, quit mantissa without saving any data changed or will save all changed data and they quit.

The only other button in this window that we have not mentioned in the

More...

Button. Clicking on the button will advance you to the second configure window of mantissa.



Age Delete
 Limit Delete
 Archive On/Off
 Renumber On/Off
 Reverse/Forward
 Patch Userlog On/Off

BBS Name:
BBS Folder:
Settings: On/Off
Mantissa Log: On/Off
.bak Location: Full/Temp
Epistle Log: On/Off
High Msg. #: **Clearance:** Append On

This is Window Two of Two. This window contains mantissa system information. In most cases you will set this once and never have to mess with it again.

There is a lot of information in this window divided in Edit Fields, Radio and control buttons. We will step you through what each feature does.

Age Delete:

Age Delete

This is an on/off button. If there is a dark bullet in the center of the radio button then it is on. The purpose of this option is to allow you to turn on or off the delete by age option. No matter what the individual sections are set at if this option is off the deletion by day limit will not take place. Default is On.

Limit Delete:

Limit Delete

This is an on/off button. If there is a dark bullet in the center of the radio button then it is on. The purpose of this option is to allow you to turn on or off the delete by limit option. No matter what the individual sections are set at, if this option is off the deletion by section limit will not take place. Default is On.

Archive:

Archive On/Off

This is an on/off button. If there is a dark bullet in the center of the radio button then it is on. The purpose of this option is to allow you to turn on or off the Archive option. No matter what the individual sections are set at, if this option is off then no archiving will not take place. Default is On.

Renumber:

A new powerful feature of mantissa is the ability to renumber messages on the run. If you hate to have messages strangling from 2345 to 83844 then renumber is for you. What renumber does is cleans up the message numbers. It does this in one of two ways; Forward from #1 or Reverse from High Message number.

Renumber On/Off

Reverse/Forward

Patch Userlog On/Off

Renumber On/Off:

Renumber On/Off

This is an on/off button. If there is a dark bullet in the center of the radio button then it is on. The purpose of this option is to allow you to turn on or off the renumber option. Note: Renumber also patches Message Replies as well to maintain SS Threading feature. Default is On. Note: If you use Export 3.21 or higher, inconjunction with Mantissa, then you need not do anything. If you are renumbering with Mantissa, using the Forward from #1 method, be sure to click on the Process all button in Export 3.2+. If you are using some other export utility and are renumbering, be sure to set that export utility so it processes all messages when it exports.

Reverse/Forward:

Reverse/Forward

This is an Either/Or button. If there is a dark bullet in the center of the radio button then the options listed first on active otherwise the option listed second is active. The purpose of this option is to allow you to choose the method of renumber. Default is Reverse.

Reverse will take the current high message number and renumber backwards from that point. Forward will start at message #1 and renumber from that point forward.

Renumber Last Message Read in UserLog:

Patch Userlog On/Off

This is an on/off button. If there is a dark bullet in the center of the radio button then it is on. The purpose of this option is to allow you to turn on or off the renumber of user's last message number read option. **Note:** this will patch each users last high message number read, so if they do a B)egin from last message read. they will start where they left off, since all messages have been renumbered. Default is OFF.

Hidden Feature to Renumber:

You may now renumber based on specific days.

This option is hidden and is only resedit'able. STR 2019 is what you want to modify. If it says OFF then renumber will occur everyday, if it is active from the configure window (has a bullet in renumber radio button). To turn this feature on use the following syntax.

ON 5,10,15,20,25

That is :

<ON><Space><number><,><number><,><number>.....

The above example would renumber on the 5th, 10th, 15th, 20th and 25th day of each month.

You can use as few as 1 number or as many as 31 for every day in the month. be sure to separate each day (number) with a coma ','.

No matter what you set string 2019 to, if the renumber option is not turned on at the configure menu mantissa will never renumber.

BBS Name:

BBS Name:

This edit field should contain the name of your BBS application. You may use the control button at the end of the edit field to auto select your bbs name. Click on the button and then double click on your bbs application. This will also automatically determine your BBS folder location as well.

BBS Folder:

BBS Folder:

This edit field contains the location of your BBS application. This must be a partial pathname and must end with a Colon ':':

Settings:

Settings: On/Off

This option used if you plan to save setting information in a text file in place of STR's. Reasons for doing this would be if you wish to do remote maintenance or DA maintenance. If this option is turned on then section data will be stored in the text file specified by the settings pathname and file name. You may use the control button to select the name and location of where you wish to place this settings text file. Note: If **OFF** is entered into the edit field then all data will be stored as STR's regardless of the On/Off indicator. Default is OFF.

Mantissa Log:

Mantissa Log: On/Off

This options allows you to determine if you want to use the mantissa log. It also allows you to select the location of this log. You may use the control button to select the name and location of where you wish to place this Log text file.

Sample Mantissa Log:

```
Mantissa, by Mike Lininger
Date: 02/17/90 Time: 14:35:35.128
                Limits
Message Section   Active Deletes Days Section
-----
1. E_Mail         22    3    30    200
4. Politics/Debates  0    0    30    200
5. Tabby Echo     203   52    30    200

26. UseNet_Mac    275   75    30    200
28. UseNet_HyperCard 165   70    30    200
29. UseNet_Mac_Programmer 216   16    30    200

52. sci.astro     0    0    30    200
53. Mansion BBS Support Echo 94   52    30    200
255. UNKNOWN      0    0    30    200
-----
Totals:  3,012  778      7,800
          5 - User +
          369 - Day | Deletes
          404 - Limit +
```

Low Message: 107277
High Message: 109510

Archived Msgs: 778
Bytes Archived: 1,059,451 bytes

MsgTxt Size: 2,184,280 bytes
MsgHdr Size: 328,982 bytes
Messages Size: 9,242 bytes
Msg. Base Size: 2,522,504 bytes

Free Disk Space: 12,024,832 bytes
Start Memory: 3,357,048 bytes
End Memory: 2,701,444 bytes
Run Time: 128 seconds

Msgs Renumber: 1 threads
User Renumber: 152 users

Zodiac:

Zodiac: Full/Temp

The Zodiac location edit field is for zodiac users only.

Full/Temp:

The Full/Temp radio button is active. This is an either/OR button. Full - means that all .bak files will be saved and used as a backup. Temp - means that after mantissa runs all .bak files are deleted. The Temp features is very dangerous and should not be used.

Epistle Log:

Epistle Log: On/Off

This option is the location of where you wish the Epistle log to be written. It also enables option to be turned on or off. You may use the control button to select the name and location of where you wish to place this Epistle text file.

Sample Epistle Log:

New Messages Delivered/Added Overnight! Epistle IIm, by Mike Lininger
Date: 02/17/90 Time: 14:35:41.4

Message Section	New Msgs	Total Msgs	Message Type

1. E_Mail	19	19	Local Private**

2. General Messages	11	11	Local Mail Area
3. Red Ryder Host Echo	179	179	*Echo Mail Area

26. UseNet_Mac	200	200	*Echo Mail Area
27. UseNet_Mac Digest	52	52	*Echo Mail Area
28. UseNet_HyperCard	95	95	*Echo Mail Area
29. UseNet_Mac_Programmer	200	200	*Echo Mail Area
30. UseNet_Binaries_Mac	68	68	*Echo Mail Area

51. rec.arts.sf-lovers	100	100	*Echo Mail Area
52. sci.astro	0	0	*Echo Mail Area
53. Mansion BBS Support Echo	42	42	*Echo Mail Area
255. UNKNOWN	0	0	*Echo Mail Area

High Msg #:

High Msg. #:

This is the highest message last processed by Epistle. You may use the control button to auto-select the high message on your system. Normally, you only have to do this once, the system will take over from this point.

Clearance:

Clearance:

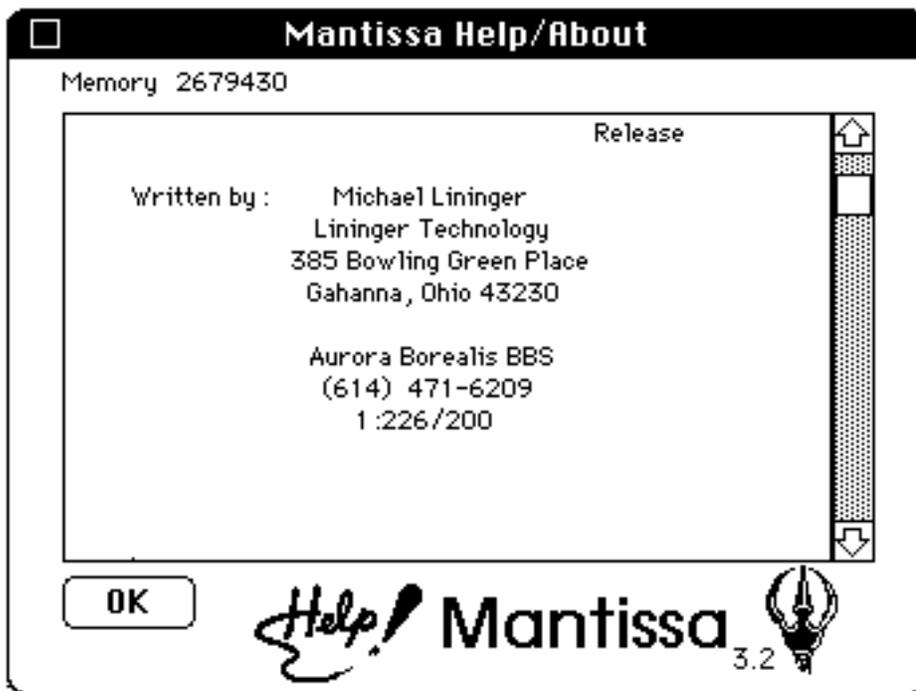
This is the clearance level needed to include message sections in the epistle log. Any message section with a clearance level greater than this number will not be included in the Epistle log.

Append On

If this option is turned on then the epistle log will keep appending on itself. If it is turned off then a new epistle log is created ever time mantissa is run.

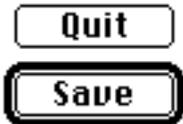
Help Button:

Clicking on this button will pop up a help/about window that covers what these docs to.



Scroll through the data, using the scroll bar on the right, till you find the information on the feature you have questions about. To quit click on the close box or the 'OK' button.

That about wraps it up for this window. Of course the:



buttons do what they say, quit mantissa without saving any data changed or will save all changed data and they quit.

The only other button in this window that we have not mentioned in the



Button. Clicking on the button will advance you to the first configure window of mantissa.

Mantissa plays it safe. Your original HDR, TXT, and MESSAGES files are never modified. (except to rename at the very end).

A Temp file is created of the MsgHdr file for archiving and renumbering.

On the Backup Scan, Mantissa again looks at the Tmp and TXT files (read only) and creates a HDR.\$\$\$, TXT.\$\$\$ and MESSAGES.\$\$\$.

Mantissa will abort if it goes to read one of the original files and it is corrupted (bad disk sector, invalid pointer or if the file was left open by some other message editor - can't rename if it is in use by some other program).

After the \$\$\$ files are created your original files are renamed .BAK and the \$\$\$ are renamed to the original names.

Sample Tabby Event with Mantissa...

N 0500 0600

PreStamp,BusyOut,Export,TNSendNews,TNSendMail,TNSendNews,
TNSendMail,TabbyNet,BusyOut,AMExtract,TNDeliverMail,Import,Sundial,
Mantissa,Tally,Sapphire,Probe,TimeStamp,Red Ryder Host

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