

TTManager

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REVISION HISTORY

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Chapter 1

TTManager

1.1 TTManger Documentation

TTManager v3.2
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Introduction	What TTManager is, and what it can do.
Legalities	The part no one bothers to read.
Requirements	They're few.
Installation	Nothing to it.

The Interface	
Startup Options	"If you start me up..."
Commodity Control	
The AppMenu	
The AppIcon	
The GUI	
The Menus	
Keyboard Shortcuts	
ARexx	

Known Bugs	Time to stand in the tea chest.
Notes	A few things to be aware of.
Localization	
To Do	Today the ToolTypes; tomorrow the world!
History	Once upon a time...
Credits	Many thanks to...
The Author	Hey, that's me!

1.2 TTManager: What Is It?

Introduction:

TTManager began as an attempt to improve upon the tooltype editing features offered by Workbench's standard icon information requester. With version 2.0 it's become a complete alternative to the information requester, allowing the user to not only manipulate tooltypes, but also the protection bits, file

comment, icon type, and more. ...And all this with an easy to use, resizable, font-sensitive, localized, GadTools GUI.

Features:

- * Font-sensitive, resizable, style guide compliant GUI.
 - * AppIcon and AppWindows for drag & drop convenience.
 - * Adds itself to Workbench's Tools menu (AppMenu item).
 - * It's a Commodity.
 - * It's localized. Includes catalogs for the following languages:
 - French,
 - German,
 - Greek,
 - Polish.
 - * Button-bar with the following features:
 - Add.
 - Toggle.
 - Delete.
 - Move.
 - Duplicate.
 - Cut to Clipboard.
 - Copy to Clipboard.
 - Paste from Clipboard.
 - Clear Clipboard contents.
 - * Load tooltypes from ".info" or ASCII files in the following ways:
 - Replace.
 - Append.
 - Only new.
 - Only existing.
 - * Tooltypes may be saved to an ASCII text file.
 - * Three multiple-deletion options:
 - All.
 - Current to top.
 - Current to end.
 - * Multiple undo/redo.
 - * Sort and reverse options.
 - * Enable, disable, or toggle all tooltypes at once.
 - * Clipboard support - Cut, Copy, and Paste to/from units 0-9.
 - * Set the:
 - Icon type (tool, project, drawer, disk, or garbage).
 - Stack.
 - Default tool.
 - Comment.
 - Protection bits.
 - * Rename an icon and its associated file, drawer, or volume.
 - * View volume information:
 - Format (OFS, FFS, OFS International, or FFS International)
 - Read only, or readable and writable.
 - Block size.
 - Total amount of space (bytes and blocks) on the volume.
 - Used space (bytes, blocks, and a percentage gauge).
 - Free space (bytes and blocks).
 - * Icon image display.
 - * ARexx port.
 - * It's fully functional and free (well, Giftware).
-

1.3 TTManager: Requirements

Required:

- Workbench 2.04 or higher.
- Workbench 2.1 or above is needed for localization (locale.library v38).

Recommended:

- Cycle To Menu or MCP - Drop-down menus for cycle gadgets.
- New Edit, MCP, or MultiCX - Clipboard support and better editing for string gadgets.

1.4 TTManager: Legal Issues

Copyright:

TTManager is copyright ©1996-98, Jody J. Tierney. All rights reserved.
...Lefts, ups, downs, and all other directions, dimensions, and orientations
are also reserved (that ought to cover things :-)).

TTManager is Giftware. If you find it useful consider sending a little
something (or even a big something :-)) my way.

Distribution:

TTManager is freely distributable in it's original form by any means you care
to employ (FTP sites, BBSes, CD-ROMs and coverdisks (I'd appreciate a copy),
carrier pigeons, holocubes, etc.). The only restriction (but it's an important
one) is that no fee, beyond a nominal charge to cover media and copying, which
is not to exceed \$4 US, is attached.

TTManager may not be included with any commercial product without written
permission from the author.

Special permission is granted to include TTManager on the Aminet CD-ROMs and
Fred Fish's disks and CD-ROMs.

Disclaimer:

No warranties, expressed or implied. Use this program at your own risk.
Although much effort has been, and continues to be, put into this program to
ensure safe and stable operation, I take no responsibility for any damages
and/or losses incurred through the use/misuse of this program.

1.5 TTManager: Installation

Installation:

Place TTManager anywhere you'd like (well, not there! :-)).

The following files should be in the archive:

File	Description:
TTManager/	

```

Catalogs/
  deutsch/
    ttmanager.catalog - German language catalog for TTManager.
                        Created by Gerald Schnabel.

  français/
    ttmanager.catalog - French language catalog for TTManager.
                        Created by Frederic Delacroix.

  greek/
    ttmanager.catalog - Greek language catalog for TTManager.
                        Created by Vellis Alexandros.

  polski/
    ttmanager.catalog - Polish language catalog for TTManager.
                        Created by Lukasz Jodlowski.

  ttmanager.cd        - Catalog description file; used to generate foreign
                        language catalogs for TTManager.

  ttmanager_blank.ct  - A blank translation file.

Rexx/
  TTLoadIcon.rexx     - Open TTManager windows from the CLI or from
                        directory utilities.

TTManager
TTManager.info        - TTManager itself, the main program.
                        - TTManager's trusty iconic companion.

TTManager.guide       - The very file you're reading now.
TTManager.guide.info  - The documentation's ever-faithful sidekick.
TTManager.info

```

Notes:

- The catalog files from TTManager 2.x will not work with version 3.x.
- The ARexx script(s) have usage instructions at the top of the file. Simply view them in a text reader.

1.6 TTManager: Startup Options

Startup Options:

The following options may be used as ToolTypes or CLI arguments. All are optional.

Keyword	CLI Shortcut	Argument	Default Setting
LEFTEDGE	X	0 - 65535	0
TOPEDGE	Y	0 - 65535	0
WIDTH	W	0 - 65535	0
HEIGHT	H	0 - 65535	0
FONT	F	Font name.	Default screen font.
FONTSIZE	FS	Point size.	Default screen font size.
APPICON	AI	Icon name.	No name - use internal image.
APPICONX	AIX	0 - 65535	None - Workbench places it.
APPICONY	AIY	0 - 65535	None - Workbench places it.
NOAPPICON	NAI	None.	An AppIcon appears.
ICONDISPLAYWIDTH	IDW	0-65535	0
ICONDISPLAYHEIGHT	IDH	0-65535	0
PAGE	P	Keyword.	TOOLTYPES

LOADMODE	LM	Keyword.	REPLACE
LOADTYPE	LT	keyword.	ICON
MAXUNDO	MU	0 - 2 billion	10
ONLYICONSINFREQ	OI	None.	"#?" is the default pattern.
VOLPAGEONDISK	VPOD	None.	The page isn't switched.
MOVEIFNEWVOL	MNV	None.	The original file is untouched.
CLOSEAFTERSAVE	CAS	None.	Windows remain open.
NOWARNINGS	NW	None.	Warning requesters appear.
NOICONS	NI	None.	Save As ASCII creates an icon.
CX_PRIORITY	CXPRI	-128 - 127	0
HOTKEY	KEY	Key sequence.	<RAmiga> <Shift> i

1.7 TTManager: Window Position Keywords

Window Position Keywords:

```
X, LEFTEDGE <0 - 65535>
Y, TOPEDGE <0 - 65535>
```

These two keywords set the initial position TTManager's windows will open at.

Default: 0.

1.8 TTManager: Window Dimension Keywords

Window Dimension Keywords:

```
X, WIDTH <0 - 65535>
Y, HEIGHT <0 - 65535>
```

These two keywords set the dimensions TTManager's windows will initially open to. TTManager may adjust these values to fit the screen size and the minimum space required to create the GUI.

Default: 0 (Smallest possible size).

1.9 TTManager: Font Keywords

Font Keywords:

```
F, FONT <font name>
```

Font to use in TTManager's window. It isn't necessary to supply the ".font" extension.

```
FS, FONTSIZE <point size>
```

What size the font specified by FONT should be.

Note: In order to use a custom font, both FONT and FONTSIZE must be specified.

Default: Default screen font.

1.10 TTManager: AppIcon Keyword

AppIcon Keyword:

AI, APPICON <icon name>

Use <icon name>'s image instead of TTManager's default AppIcon image. It isn't necessary to supply the ".info" extension.

AIX, APPICONX <0 - 65535>

AIY, APPICONY <0 - 65535>

These two keywords specify the location of the AppIcon on the Workbench screen. Note that the vertical (Y) position "0" is just below the screen's title bar.

NAI, NOAPPICON

If specified, TTManager will not create an AppIcon.

Default: Create an AppIcon using the built-in image, and allow Workbench to determine its position.

1.11 TTManager: Icon Display Dimension Keywords

Icon Display Dimension Keywords:

IDW, ICONDISPLAYWIDTH <0 - 65535>

IDH, ICONDISPLAYHEIGHT <0 - 65535>

These keywords set the dimensions of the icon display area, in the upper left corner of the GUI.

Note:

It's safe to use values which are too small or too large. These will automatically be adjusted as necessary.

- The minimum width (currently) is 60 pixels.
 - The maximum width is limited by the width of the screen, and the amount of space required by the gadgets to the right of the icon display.
-

- The minimum height is twice the height of a string gadget plus a little extra (currently 4 pixels), and thus varies with the size of the font used.
- The maximum height is limited by the screen's height, and the amount of vertical space required by the rest of the GUI.

Default: 0 (Smallest possible size).

1.12 TTManager: Page Keyword

Page Keyword:

P, Page <page>

Which page is initially active when a TTManager window is opened.
<page> is either VOLUMEINFO,
INFORMATION, or
TOOLTYPES.

Default: TOOLTYPES

1.13 TTManager: Load Mode Keyword

Load Mode Keyword:

LM, LOADMODE <mode>

Which load mode is initially active when a TTManager window is opened.
<mode> is one of the following: REPLACE,
APPEND,
NEW, or
EXISTING.

Default: REPLACE

1.14 TTManager: Load Type Keyword

Load Type Keyword:

LT, LOADTYPE <type>

Which load type is initially active when a TTManager window is opened.
<type> is either: ICON or
ASCII.

Default: ICON

1.15 TTManager: Maximum Undo Levels Keyword

Maximum Undo Levels Keyword:

MU, MAXUNDO <0 - 2 billion>

How many operations TTManager remembers, and may undo. Setting MAXUNDO to "0" disables the undo system (don't do this; I spent a lot of time on the undo routines - use 'em! :-)).

Default: 10

1.16 TTManager: Only Icons In File Requester Keyword

Only Icons In File Requester Keyword:

OI, ONLIICONSINFREQ

If specified, a file requester's default pattern will be "#?.info", thus only displaying icons and directories.

Default: The file requester's default pattern is "#?" (all files).

1.17 TTManager: Volume Page On Disk Keyword

Volume Page On Disk Keyword:

VPOD, VOLPAGEONDISK

If this keyword is specified, TTManager will open to the Volume Information page whenever a disk icon is loaded.

This option may also be enabled or disabled by the Volume Page On Disk menu option.

Default: TTManager always opens to the default page (set by the PAGE keyword).

1.18 TTManager: Move If New Volume Keyword

Move If New Volume Keyword:

MNV, MOVEIFNEWVOL

This option controls TTManager's renaming behavior when a different volume is involved. If this option is in effect, then a file will be copied to the new volume, and the original will be deleted.

This option may also be enabled or disabled by the Move If New Volume menu option.

Default: A copy is performed, and the original file is left unchanged.

1.19 TTManager: Close After Save Keyword

Close After Save Keyword:

CAS, CLOSEAFTERSAVE

If this keyword is specified, the TTManager window will be closed after a Save operation.

This option may also be enabled or disabled by the Close After Save menu option.

Default: TTManager's windows remain open after saving.

1.20 TTManager: No Warnings Keyword

No Warnings Keyword:

NW, NOWARNINGS

If specified, "Are you sure?" requesters and the like are suppressed.

This option may also be enabled or disabled by the No Warnings menu option.

Default: Warning requesters are enabled.

1.21 TTManager: No Icons Keyword

No Icons Keyword:

NI, NOICONS

Does this option seem a bit strange in an icon manipulation program? :-)
It's used by the Save As ASCII menu option - whether or not the text file will have an icon.

This option may also be enabled or disabled by the Create Icons menu option.

Default: Create icons.

1.22 TTManager: Commodity Priority Keyword

Commodity Priority Keyword:

CXPRI, CX_PRIORITY <-128 - 127>

Sets TTManager's priority as a Commodity.

Default: 0

1.23 TTManager: Hotkey Keyword

Hotkey Keyword:

KEY, HOTKEY <key sequence>

When the hotkey is pressed TTManager opens a file requester allowing you to select icon(s) to edit.

The default hotkey combination is "rcommand shift i" (the right Amiga key, either shift key, and "i").

Default: rcommand shift i
(The right Amiga key, either shift key, and "i".)

1.24 TTManager: The Commodity Interface

Commodity Control:

TTManager responds to the following commands from the Commodities Exchange:

Show Interface:

This will open TTManager's About requester with three options:

Okay - This simply closes the requester.

Open - Opens a file requester; a new window will be opened for each file selected.

Quit - Quits TTManager.

This requester will also appear whenever an attempt to start a second TTManager is made.

Hide Interface:

Closes all open TTManager windows.

Active/Inactive:

When TTManager is in an active state, the hotkey may be used to invoke a file requester and open icons for editing.

Remove:

Quits TTManager. If Warnings are enabled, you will receive an "Are you sure?" requester.

Hotkey:

TTManager has a hotkey, specified by the HOTKEY startup option. When this key sequence (rcommand shift i by default) is recieved TTManager opens a file requester, allowing icons to be selected for editing.

1.25 TTManager: Input Qualifiers**Qualifiers:**

The following qualifiers may be used when specifing a hotkey. Those marked with an asterisk ("*") require version 38 of the commodities.library (Workbench 2.1).

shift - Either shift key.
 lshift, left_shift * - Left shift key.
 rshift, right_shift * - Right shift key.

caps - Caps lock key or either shift key.
 capslock, caps_lock * - Caps lock key.

control, ctrl * - Control key.

alt - Either alt key.
 lalt, left_alt * - Left alt key.
 ralt, right_alt * - Right alt key.

numericpad, numpad *, num_pad *, numeric_pad * - A key on the numeric keypad.

lcommand, left_command *, lamiga *, left_amiga * - Left Amiga key.
 rcommand, right_command *, ramiga *, right_amiga * - Right Amiga key.

leftbutton, lbutton *, left_button * - Left mouse button.
 midbutton, mbutton *, middlebutton *, middle_button * - Middle mouse button.
 rightbutton, rbutton *, right_button * - Left mouse button.

1.26 TTManager: The AppMenu**TTManager AppMenu Item:**

```
Tools
:
TTManager
:
```

TTManager adds an item (creatively named "TTManager") to Workbench's Tools menu. What happens when this item is selected depends on whether any icons are also selected.

TTManager Menu Item and No Icons Selected:

TTManager will open an information requester with three options:

Okay - This simply closes the requester.

Open - Opens a file requester; a new window will be opened for each file selected.

Quit - Quits TTManager.

TTManager Menu Item and No Icons Selected:

TTManager will open a window for each selected icon.

1.27 TTManager: The AppIcon

TTManager AppIcon:

TTManager's AppIcon may have icons dropped onto it, and may also be double-clicked.

Dropping Icons:

Dropping icons onto TTManager's AppIcon will open a window where the icon's tooltypes may be edited.

Double-Clicking:

Double-clicking TTManager's AppIcon will open an information requester with three options:

Okay - This simply closes the requester.

Open - Opens a file requester; a new window will be opened for each file selected.

Quit - Quits TTManager.

1.28 TTManager: The GUI

TTManager's Window:

TTManager may have 25 windows open at once. They resemble the following:

Volume Information Page:

```
|o| TTManager v3.2 |' |[]|
+-----+ File: System3.0:WBStartup/TTManager
|<Icon>| Type: @| Tool Undo Redo
+-----+
----- @|Volume Information -----
|Type: FFS - Readable/Writable |
|
|      Blocks:      Bytes: 512/block |
|Total: 163294      83606528 |
| Free: 124745      63869440 |
| Used: 38549       19737088 |
| _____ |
||                23% full ||
```

```

| ----- |
|                                     |
|-----|
|      Save      Save As...      Cancel  _  |
|/

```

File Information Page:

```

|o| TTManager v3.2                                     |' |[]|
+-----+ File: System3.0:WBStartup/TTManager
|<Icon>| Type: @| Tool      Undo   Redo
+-----+
|----- @| Information -----|
|      Size: 69988 bytes - 137 blocks      |
|      Last Modified: 04-Jul-97 - 12:12:47  |
|Stack: 4096      Default Tool:             |
|Comment:                                           |
|      |                                           |
|./ Readable                               Script |
|./ Writable                               Pure   |
|./ Executable                           ./ Archived|
|./ Deletable                           Hidden  |
|      |                                           |
|-----|
|      Save      Save As...      Cancel  _  |
|/

```

ToolType Page:

```

|o| TTManager v3.2                                     |' |[]|
+-----+ File: System3.0:WBStartup/TTManager
|<Icon>| Type: @| Tool      Undo   Redo
+-----+
|----- @| ToolTypes -----|
| Load...: @| Replace All From: @| Icon   |
| ----- |
|LEFTEDGE=10
|
|TOPEDGE=10                                     ##|
|FONT=Helvetica                               ##|
|FONTSIZE=13
^|
|APPICON=SYS:WBStartup/TTManager
v|
| ----- |
|FONTSIZE=13                                   |
|+
(//)
()
(=
I>H
8xM
->M
<-M
0M
|
|-----|
|      Save      Save As...      Cancel  _  |

```

|/

1.29 TTManager Window - Global Gadgets: Filename Gadget

File Name Gadget:

Use this gadget to rename the icon currently being edited. If no data is entered, the name is unchanged.

Renaming takes effect when the icon is saved. If Move If New Volume is enabled then the original file will be deleted, otherwise it's left unchanged.

Keyboard Shortcut: I (activates the string gadget.)

Notes:

- * Renaming affects the icon and the file the icon is associated with. For example, renaming "DPaintIV" to "DPaint4.6" means both "DPaintIV.info" and "DPaintIV" will be renamed.
- * The underlying file is only renamed if the icon type hasn't been changed. It makes no sense to rename a drawer, for example, if the icon has been changed to a tool. In cases such as this, the icon is saved using the new name and the original file/drawer/disk name and icon are unchanged.
- * Disks are renamed (reabeled) only if both the original and new names are: <Volume name>:Disk.

1.30 TTManager Window - Global Gadgets: Icon Type Cycle Gadget

Icon Type Cycle Gadget:

This gadget displays the type of icon currently being edited. It may also be used to change the icon's type.

The types of icons are: Disk,
Drawer,
Tool,
Project, and
Trash.

1.31 TTManager Window - Global Gadgets: Undo & Redo Buttons

Undo Button:

Clicking undo undoes the last operation. The number of operations which may be undone is set by the MAXUNDO tooltype or CLI option (the default is 10).

Keyboard Shortcut: U (performs an undo.)

Redo Button:

Redo undoes an undo. :-)

Keyboard Shortcut: R (performs a redo.)

Note: Nearly any operation may be undone. Following is a list of the (few) actions which cannot be undone:

- * Save
- * The New and Open menu options.
- * Closing the window.
- * Quitting TTManager.

1.32 TTManager Window - Global Gadgets: Page Cycle Gadget

Page Cycle Gadget:

This gadget flips through TTManager's pages:

Volume Information	- Information about the volume's size and format.
Information	- File information: size, last modified, stack size, default tool, comment, and protection bits.
ToolTypes	- Tooltype editing/manipulating.

You can go to the last page to see how it all ends. :-)

The initial position of this gadget may be set at start-up by the PAGE keyword. Also, the Volume Information page can be made to be displayed whenever a disk icon is loaded by setting the Volume Page On Disk option.

Keyboard Shortcut: p (cycles forwards through the pages.)
P (cycles backwards through the pages.)
(Cycling is a non-polluting mode of transport.)

1.33 TTManager Window - Global Gadgets: To Save, Or Not To Save...

Save Button:

Saves the icon using the path and name displayed in the window's title bar and file name string gadget.

If the Close After Save menu option is set the window will then close itself.

Keyboard Shortcut: S (performs a save.)

Save As Button:

Opens a requester allowing the icon to be saved under a new name. The original ".info" file is unchanged.

Keyboard Shortcut: A (opens a file requester.)

Cancel Button:

Closes the window without saving anything.

Keyboard Shortcut: C (closes the window.)

1.34 TTManager Window - Volume Information Page: Volume Type

Volume Information Page:

Disk Type Display:

This gadget displays the type of disk loaded, and whether it can be written to.

Disk Types: OFS - Old File System.
OFS Int. - Old File System, international mode.
FFS - Fast File System.
FFS Int. - Fast File System, international mode.

Read Only - The disk is write protected, or read only.
Readable/Writable - The disk can be written to.

1.35 TTManager Window - Volume Information Page: Bytes/Block

Volume Information Page:

Bytes per Block Display:

Displays how many bytes make up one block.

1.36 TTManager Window - Volume Information Page: Disk Space

Volume Information Page:

Disk Space Displays:

These gadgets display the total amount of space, both in blocks and bytes, on a disk, and the amount free and used. There is also a gauge showing the percentage of space in use.

1.37 TTManager Window - Information Page: Stack Gadget

Information Page:

Stack Gadget:

This gadget allows you to set the tool's (or default tool's) stack. The stack is an amount of memory reserved for temporary storage. A stack size of "0" means the default stack size will be used (currently 4096 bytes).

This gadget is enabled for tool, project, and disk icon types, and disabled for drawers.

Keyboard Shortcut: K (activates the integer gadget.)

1.38 TTManager Window - Information Page: Default Tool Gadget

Information Page:

Default Tool String Gadget:

This gadget allows you to set the project's or disk's default tool. This program will be run when the project icon is double-clicked, or when this disk is dropped onto another disk icon.

This gadget is enabled for project and disk icon types, and disabled for tools and drawers.

Keyboard Shortcut: T (activates the string gadget.)

1.39 TTManager Window - Information Page: Comment Gadget

Information Page:

Comment String Gadget:

Tools, projects, and drawers may have an 80 character comment attached to them.

Keyboard Shortcut: O (activates the string gadget.)

Note: The comment is actually stored along with a file, not in the icon, so the comment will be lost if no file exists when the icon is saved.

1.40 TTManager Window - Information Page: Protection Bit Gadgets

Information Page:

Protection Bit Checkbox Gadgets:

These checkbox gadgets are used to set the various AmigaDOS protection bits.

Readable - The file may be read. Tools, projects, and drawers.
Writable - The file may be written to. Tools, projects, and drawers.
Executable - The file may be executed. Tools only.
Deletable - The file may be deleted. Tools, projects, and drawers.
Script - The file is an AmigaDOS script and may be run without having to issue the Execute command. Projects only.
Pure - The file is pure and may be made resident. Tools only.
Archived - The file has been backed up. Tools, projects, and drawers.

Note: Protection bits are actually stored along with a file, not in the icon, so the protection bits will be lost if no file exists when the icon is saved.

1.41 TTManager Window - ToolType Page: ToolType Loading Gadgets

ToolType Page:

Load Button:

Pops up a file requester allowing you to add tooltypes from another icon(s) to the one currently being edited. The exact way the tooltypes are loaded in depends on how the Load Mode and From Type cycle gadgets are set.

Keyboard Shortcut: L (opens a file requester.)

Load Mode Cycle Gadget:

Replace All - The old tooltypes are replaced by the new ones.

Append All - The new tooltypes are appended to the end of the tooltype list.

Only New - Each new tooltype is checked against the current list of tooltypes, and added to the end of the list if no match is found.

Only Existing - Similar to Only New, except that if a match is found the new tooltype replaces the old one. The new tooltype is discarded if it isn't already in the list.

Keyboard Shortcut: m (cycles forwards through the possible modes.)
M (cycles backwards through the possible modes.)
(Cycling is an excellent form of exercise.)

From Type Cycle Gadget:

This selectes whether the new tooltypes are to come from an ".info" file, or an ASCII text file.

Keyboard Shortcut: f (cycles forwards through the possible types.)
F (cycles backwards through the possible types.)
(Always wear a helmet while cycling.)

Note:

- * The load modes Only New and Only Existing compare the tooltip's keyword. Given the tooltip "(LEFTEDGE=360)", these modes are looking for a match to "LEFTEDGE" (the keyword's value (if any) and whether it's enabled or disabled is ignored).
- * TTManager's windows are AppWindows. Icon(s) may be dropped into the window, and the appropriate action (determined by the Load Mode and From Type cycle gadgets) is performed.
- * The initial setting of the load mode and load type cycle gadgets may be set via the LOADMODE and LOADTYPE keywords.

1.42 TTManager Window - ToolType Page: ToolType Display & Editing

ToolType Page:

The ListView:

The icon's tooltips are displayed here.

The ListView String Gadget:

Nothing out of the ordinary here. It's used to edit the items in the listview. It's disabled when a move is in effect.

1.43 TTManager Window - ToolType Page: The Button Bar

ToolType Page:

The Button Bar:

From left to right, the buttons are:

Add - Inserts a new, blank tooltip after the currently selected one.

Delete - The current tooltip is removed from the list.

Toggle - Enables or disables (surrounds with parentheses "()") the current tooltip.

Move - Select a tooltip in the listview, click on the Move button (the listview's string gadget will be disabled), and then click somewhere in the listview - The tooltip will be inserted after the item you clicked on.

To cancel a move, either reselect the same tooltip, or press the move button a second time.

Duplicate - Others may struggle with the ethics and morality of cloning; TTManager leaves the matter entirely up to you. :-) Click on a tooltip and an identical copy appears (Marvel Comics is

discouraged from using this mode ;-)

Cut to Clipboard - The current tooltype is removed from the listview and appended to the current clipboard's contents.

Copy to Clipboard - The current tooltype is appended to the text in the current clipboard unit.

Paste from Clipboard - The contents of the clipboard are inserted into the tooltype list after the current tooltype.

Clear Clipboard - Clears the contents of the current clipboard unit.

1.44 TTManager Menus

Menus:

Project	Edit	Information	ToolTypes	
Settings				↵
New...	[A]N Cut	[A]X Icon Type »	Enable All	[A]+ ./ Only ↵
Icons In File Req?				
Open...	[A]O Copy	[A]C Protection »	Disable All	[A]- ./ Volume ↵
Page On Disk?				
~~~~~	Paste	[A]V	Toggle All	[A]\ Move ↵
If New Volume?				
Save	[A]S Clear Clip	[A]0	~~~~~	./ Close ↵
After Save?				
Save As...	[A]A Clip Unit	»	Delete	» ./ ↵
Warnings?				
~~~~~	~~~~~		~~~~~	↵
Create Icons?				
Close	[A]1 Undo	[A]U	Load From Icon	»
Close All	[A]! Redo	[A]Z	Load From ASCII	»
~~~~~	Flush	»	~~~~~	
About...	[A]?		Save As ASCII...	[A]D
~~~~~			~~~~~	
Quit	[A]Q		Sort	[A]T
			Reverse	[A]R

"[A]" represents the right Amiga key.

1.45 TTManager Menus: Project - New & Open

Menus:

```
Project
New...      A N
Open...     A O
:
```

New

Opens a file requester for an icon to open. The selected file's icon will be opened in a new window.

Menu Shortcut: <Right Amiga> N

Open

Opens the selected file's icon in the current window. The window's previous contents are lost. This operation cannot be undone.

Menu Shortcut: <Right Amiga> O

1.46 TTManager Menus: Project - Save & Save As

Menus:

```
Project
      :
Save      A S
Save As... A A
      :
```

Save

Saves the icon using the path and name displayed in the window's title bar and file name string gadget.

If the Close After Save menu option is set the window will then close itself.

Menu Shortcut: <Right Amiga> S

Save As

Opens a file requester allowing you to save the icon under a different name. The original ".info" file (and any file it may belong to) are unchanged.

Menu Shortcut: <Right Amiga> A

1.47 TTManager Menus: Project - Close & Close All

Menus:

```
Project
      :
Close      A 1
Close All  A !
      :
```

Close

Closes the current window.

Menu Shortcut: <Right Amiga> 1

Close All

Closes all open (TTManager) windows.

Menu Shortcut: <Right Amiga> !

Note: If Warnings are enabled, and the tooltypes have been modified, a confirmation requester will appear before the window is closed.

1.48 TTManager Menus: Project - About

Menus:

Project

:

About... A ?

:

About

Displays the following information:

- * TTManager's version.
- * Copyright.
- * My e-mail address.
- * Translation credit (Only displayed when using a v3.1, or above, catalog).
- * The name of the icon being edited, if it's a default icon, and the number of colors in the icon's image.
- * The number of items in the undo buffer.

Menu Shortcut: <Right Amiga> ?

1.49 TTManager Menus: Project - Quit

Menus:

Project

:

Quit... A Q

Quit

Quits TTManager. Of little use; included for completeness. ;-)

Menu Shortcut: <Right Amiga> Q

Note: If Warnings are enabled, and the tooltypes have been modified, a confirmation requester will appear before each window is closed, and one

more requester will pop up before TTManager quits.

1.50 TTManager Menus: Edit - Cut, Copy, Paste, & the Clipboard Unit

Menus:

```
Edit
Cut      A X
Copy     A C
Paste    A V
Clear Clip A 0
Clip Unit  »->./0
      :      1
           2
           3
           4
           5
           6
           7
           8
           9
```

Cut

Copies the tooltype list to the clipboard, and then deletes the list.

Menu Shortcut: <Right Amiga> X

Copy

Copies the tooltype list to the clipboard.

Menu Shortcut: <Right Amiga> C

Paste

Inserts the contents of the clipboard into the tooltype list after the current item.

Menu Shortcut: <Right Amiga> V

Clear Clip

Clears any text in the current clipboard unit. Useful with the Add to Clip edit mode.

Menu Shortcut: <Right Amiga> 0

Clip Unit

Allows you to select which clipboard unit (0 to 9) Cut, Copy, and Paste will use.

1.51 TTManager Menus: Edit - Undo, Redo, & Flushing

Menus:

```

Edit
:
Undo      A U
Redo      A Z
Flush     »->Current Buffer A '
           All Buffers      A "

```

Undo

Clicking undo undoes the last operation. The number of operations which may be undone is set by the MAXUNDO tooltype or CLI option (the default is 10).

Menu Shortcut: <Right Amiga> U

Redo

Redo undoes an undo. :-)

Menu Shortcut: <Right Amiga> Z

Note:

Nearly any operation which may be undone. Following is a list of the (few) actions which cannot be undone:

- * Save
- * The New and Open menu options.
- * Closing the window.
- * Quitting TTManager.

Flush:

Current Buffer

Empties the current window's undo/redo buffer. Note that this cannot be undone. :-)

Menu Shortcut: <Right Amiga> '

All Buffers

Each TTManager window has it's own undo buffer. This option empties the undo undo buffer in every TTManager window.

Menu Shortcut: <Right Amiga> "

1.52 TTManager Menus: Information - Icon Type

Menus:

```

A
Information
Icon Type »-> Disk

```

```
Drawer
./Tool
Project
Trash
```

Icon Type

Selects the icon type.

1.53 TTManager Menus: Information - Protection

Menus:

```
Information
:
Protection »->./Readable
              ./Writable
              ./Executable
              ./Deletable
              Script
              Pure
              ./Archived
```

Protection

Sets the tool's, project's, or drawer's protection bits.

Readable	- The file may be read. Tools, projects, and drawers.
Writable	- The file may be written to. Tools, projects, and drawers.
Executable	- The file may be executed. Tools only.
Deletable	- The file may be deleted. Tools, projects, and drawers.
Script	- The file is an AmigaDOS script and may be run without having to issue the Execute command. Projects only.
Pure	- The file is pure and may be made resident. Tools only.
Archived	- The file has been backed up. Tools, projects, and drawers.

Note: Protection bits are actually stored along with a file, not in the icon, so the protection bits will be lost if no file exists when the icon is saved.

1.54 TTManager Menus: ToolTypes - Enable, Disable, & Toggle All

Menus:

```
ToolTypes
Enable All      A +
Disable All     A -
Toggle All      A \
:
```

Enable All

Removes any parentheses ("()") surrounding a tooltype.

Menu Shortcut: <Right Amiga> +

Disable All

Brackets all tooltypes with parentheses ("()"), thus disabling them.

Menu Shortcut: <Right Amiga> -

Toggle All

Any disabled tooltypes are enabled, and vice-versa.

Menu Shortcut: <Right Amiga> \

1.55 TTManager Menus: Edit - Delete

Menus:

ToolTypes

```
:
Delete      »->All          A .
:           Current To Top A <
           Current To End A >
```

Delete

All

Deletes the entire tooltype list.

Menu Shortcut: <Right Amiga> .

Current To Top

Deletes the tooltypes from the currently selected one to the beginning of the list.

Menu Shortcut: <Right Amiga> <

Current To End

Deletes all tooltypes from the currently selected one onwards.

Menu Shortcut: <Right Amiga> >

1.56 TTManager Menus: ToolTypes - Loading From Icons & ASCII

Menus:

ToolTypes

:


```

Load From Icon      »
Load From ASCII     »->Replace...
                   :      Append...
                   :      Only New...
                   :      Only Existing...

```

Load From Icon

Pops up a file requester allowing you to add tooltypes from another icon(s) to the one currently being edited.

Load From ASCII

Same as above, only now the contents of the selected file(s) are added to the list.

Replace - The old tooltypes are replaced by the new ones.

Append - The new tooltypes are appended to the end of the tooltype list.

Only New - Each new tooltype is checked against the current list of tooltypes, and added to the end of the list if no match is found.

Only Existing - Similar to Only New, except that if a match is found the new tooltype replaces the old one. The new tooltype is discarded if it isn't already in the list.

Note:

- * The modes Only New and Only Existing compare the tooltype's keyword. Given the tooltype "(LEFTEDGE=360)", these modes are looking for a match to "LEFTEDGE" (the keyword's value (if any) and whether it's enabled or disabled is ignored).

- * These menu options are equivalent to setting the Load Mode and From Type cycle gadgets and pressing the Load button.

1.57 TTManager Menus: ToolTypes - Save As ASCII

Menus:

```

ToolTypes
:
Save As ASCII... A D
:

```

Save As ASCII

Opens a file requester allowing you to save the tooltype list as a text file. An icon will be created for this file if the Create Icons? menu option is on.

Menu Shortcut: <Right Amiga> D

1.58 TTManager Menus: ToolTypes - Sort

Menus:

```
ToolTypes
      :
Sort      A T
      :
```

Sort

Sorts the tooltype list into alphabetical order.

Menu Shortcut: <Right Amiga> T

Note:

- * The sort is case-sensitive.
- * The tooltypes are sorted by their keywords only, and their state (enabled or disabled) is ignored.

1.59 TTManager Menus: ToolTypes - Reverse

Menus:

```
ToolTypes
      :
Reverse      A R
```

Reverse

Reverses the order of the items in the tooltype list.

Menu Shortcut: <Right Amiga> R

1.60 TTManager Menus: Settings - Only Icons In File Requester

Menus:

```
Settings
./ Only Icons In File Req?
      :
```

Only Icons In File Requester

When checked, the default pattern for file requesters will be set to "#?.info", displaying only icons and directories.

Note: This option may be activated at startup with the ONLYICONSINFREQ keyword.

1.61 TTManager Menus: Settings - Volume Page On Disk

Menus:

```
Settings
      :
./ Volume Page On Disk?
      :
```

Volume Page On Disk

When checked, TTManager will display the Volume Information page when a disk icon is loaded.

Note: This option may activated at startup by the VOLPAGEONDISK keyword.

1.62 TTManager Menus: Settings - Move If New Volume

Menus:

```
Settings
      :
./ Move If New Volume?
      :
```

Move If New Volume

If checked and when a file has been renamed to a new volume in the file name gadget (for example, changing "DH0:T/This" to "DF0:That") and saved, then the original file will be deleted. Otherwise the original file will remain unmodified.

Note: This option may be enabled at startup by using the MOVEIFNEWVOL keyword.

1.63 TTManager Menus: Settings - Close After Save

Menus:

```
Settings
      :
./ Close After Save?
      :
```

Close After Save

If this menu item is checked, the window will be closed after performing a Save. Otherwise the window remains open.

Note: This option may be turned on at startup by using the CLOSEAFTERSAVE keyword.

1.64 TTManager Menus: Settings - Warnings

Menus:

```
Settings
      :
./ Warnings?
      :
```

Warnings

If this menu item is checked, TTManager will pop up a confirmation requester before certain important actions are performed, such as closing a window when the tooltypes have been modified but not saved, or quitting the program.

Note: This option may be turned off on startup by using the NOWARNINGS keyword.

1.65 TTManager Menus: Settings - Create Icons

Menus:

```
Settings
      :
./ Create Icons?
```

Create Icons

An odd option, eh? :-) If this item is checked, then the text file created by the Save As ASCII menu option will have an icon.

Note: This option may be turned off on startup by using the NOICONS keyword.

1.66 TTManager: Keyboard Shortcuts

Gadget Keys - Global:

```
File string gadget      i
Page cycle gadget      p, P
Undo button            u
Redo button            r
Save button            s
Save As button         a
Cancel button          c
```

Gadget Keys - Information Page:

```
Stack integer gadget    k
Default Tool string gadget t
Comment gadget          o
```

Gadget Keys - ToolType Page:

```
Load button            l
```

```
Load Mode cycle gadget      m, M
From Type cycle gadget      f, F
```

Keys are case-insensitive except for the cycle gadget shortcuts. With a cycle gadget, the shifted key will cycle backwards through the available options.

Menu Shortcuts:

Project

```
New...      A  N
Open...     A  O
Save        A  S
Save As...  A  A
Close       A  1
Close All   A  !
About...    A  ?
Quit        A  Q
```

Edit

```
Cut      A  X
Copy     A  C
Paste    A  V
Undo     A  U
Redo     A  Z
Flush    » Current Buffer A  '
          All Buffers      A  "
```

Tooltypes

```
Enable All      A  +
Disable All     A  -
Toggle All      A  \
Delete          » All              A  .
                  Current To Top A  <
                  Current To End A  >

Save As ASCII... A  D
Sort             A  T
Reverse          A  R
```

"A " stands for the right Amiga key.

1.67 TTManager: ARexx Interface

ARexx:

TTManager's port name is "TTMANAGER".

Commands:

NEW

1.68 TTManager Arexx: NEW

NEW

NEW [<filename>]

Opens a new TTManager window, loading <filename>. If no file name is given, a file requester will be opened.

1.69 TTManager: @#%*!!!

Known Bugs:

If you come across any bugs, please report them to me.

1.70 TTManager: Be Advised...

Note:

- Sort and the Only ... load modes compare the tooltip's keyword, and ignore any value or whether it's disabled or not. This is a feature, not a bug. :-)
 - The various options in the Settings menu are shared by all TTManager windows (this is intentional).
 - The About requester's text isn't yet attractively formatted.
 - TTManager's tooltip list is (currently) limited to around 65,534 tooltips (if you call that a limit (show me the program that uses 60,000+ tooltips! :-))).
 - TTManager's windows aren't independent processes. If one window is performing a time consuming task (sorting 60,000 tooltips? :-)) input to other TTManager windows will be blocked. In practice, this isn't something which is likely to be noticed.
 - Protection bits and comments are stored with a file, not in the icon. So if you save an icon and there isn't a file that goes along with it the comment and protection bit settings will be lost.
 - TTManager can now move a file across volumes. For example, "DH0:T/Maybe" could be renamed and moved to "DF0:Definitely". In cases such as this, the file is actually copied (using the AmigaDOS Copy command). The original file may be deleted or left unchanged, depending on the Move If New Volume setting.
 - Drawer icons without drawers, dropped onto the AppIcon or AppWindow, will not be loaded (TTManager receives an appmessage, but no lock). Using the file requester to select them works.
-

1.71 TTManager: Now Yer Speakin' My Language!

Localization:

As of version 2.2, TTManager supports localization. To use TTManager in the language of your choice you'll need WorkBench 2.1 or above, and a catalog file (ttmanager.catalog) for your language.

Currently, there are catalogs for the following languages:

- French - Created by Frederic Delacroix.
<Frederic.Delacroix@univ-valenciennes.fr>
- German - Created by Gerald Schnabel.
<Gerri@studbox.uni-stuttgart.de>
- Greek - Created by Vellis Alexandros.
<ee2846@ee.teiath.gr>
- Polish - Created by Lukasz Jodlowski.
<ljodlo@ucku4.uck.pk.edu.pl>

If you're interested in creating a catalog or translating the docs then please e-mail me, and I'll let you know if anyone is currently doing so.

Notes:

- The catalog files from TTManager 2.x will not work with version 3.x.
- A possible problem is that TTManager's interface may not adapt properly to a new language. The layout routines assume the Load button, Load Mode and Load Type cycle gadgets form the widest part of the interface. If this isn't the case in your language, please let me know and I'll fix it (TTManager, that is :-)).

1.72 TTManager: The Shape Of Things To Come

Today the ToolTypes; tomorrow the world!

Future Plans:

Some possibilities for the future are:

- Bug fixes; replacing them with newer, more interesting bugs. (Priority.)
- Fiddle with the code to make it more efficient and to introduce new bugs to fix. :-)
- An "Image" page? We'll see...
- More information in the About requester.
- More error checking/requesters.
- Expand and improve the ARexx interface - More commands and more options.
- Search requester.
- Multiselection in the listview.
- Patch into and replace Workbench's Information requester.
- Ability to open windows on public screens.

If there's a feature you'd like to see, or think should be a priority, let me know.

1.73 TTManager: Binary Archaeology

History:

A long time ago, on a hard drive far, far away...

3.2

- Small improvements to the update-interface routine.
- Added the Only Icons In File Requester option.
 - Suggested by G.A. Green
- New in the About requester:
 - The icon's path is no longer displayed.
 - "exists" or "default" displayed after the icon's name, depending on whether an icon actually exists or if a default icon was loaded.
 - Suggested by G.A. Green
- The number of colors an icon's image uses is reported.
- Bug fix: An "improvement" in v3.1 resulted in only project icons being created for iconless files. Oops. :-)
- Added a file requester button for the Default Tool gadget.
 - Suggested by Michael Taylor.
- The icon's image is now displayed.
 - Suggested by Michael Taylor.
- Relocated the Undo & Redo gadgets; they're always available now.
- Tooltypes are now saved for disk, drawer, & garbage icons.
 - Reported by Joern Krueger.
- New start-up options: ICONDISPLAYWIDTH and ICONDISPLAYHEIGHT.
- Bug fix: The keyboard shortcut for the Page cycle gadget was broken.
 - Reported by Gerald Schnabel.

3.1

- Improved icon saving and renaming.
- The strings for the Undo and Redo gadgets are compared to find the longest one.
- Bug fix: When the undo list was full old items were removed, but not killed.
- Bug Fix: The ARexx command "New" didn't strip the ".info" extension.
 - Reported by Michael Taylor.
- The About requester can now credit the Locale translator (new entry in the v3.1 .cd/.ct files - still 100% compatible).
 - Suggested by Vellis Alexandros.
- Shed some excess bytes here and there.

3.0d

- The Add, Toggle, and Duplicate buttons will first check the string gadget's contents (handy if, like me, you occasionally forget to hit <RETURN>).
- The filename gadget no longer does a case-insensitive comparison, so "bla" can be renamed to "Bla".
- Bug fix: A call to FreeMenus() was missing.

3.0c

- Bug fix: At 100%, the percent-full guage was 1 pixel too wide.
- The filename gadget wasn't hooked into the undo system. Is now.

3.0b:

- Bug fix: The ARexx command "New" didn't work properly when no filename

was given.

- Bug fix: Editing a blank line caused an Enforcer hit.
- Bug fix: The Cut & Copy to Clipboard edit buttons didn't check if there was a tooltype selected.
- Bug fix: The icon wouldn't be deleted during an across-volume rename.
- Bug fix: If a rename was cancelled due to a file with the same name already existing the icon would still be saved to the new destination.

3.0a (limited beta release):

- Minor bug fixes.
- Added an ARexx port, named "TTMANAGER".
- Added an ARexx command: New [<filename>]. This allows TTM windows to be opened from the CLI or directory utilities.
 - Suggested by Rob Sullivan, Richard Knight, and James Kückmann.

3.0 (limited beta release):

- Replaced the Edit Mode cycle gadget with a button bar.
 - Thanks to Michael Taylor for the suggestion this evolved from.
- Two new edit buttons: Cut to Clipboard and Clear Clipboard.
- Removed the Hidden protection-bit checkbox gadget.
- Removed the EDITMODE tooltype.
- New default AppIcon image.
- Added the Volume Information page.
- New catalog - 2.x catalogs no longer valid (sorry).
- Added Volume Page On Disk option.
- Added Move If New Volume option.
- Reordered the pages to: Volume Information, Information, Tooltypes.

2.4d:

- Bug fix: Renaming could GURU if a file by the same name existed and had to be overwritten.

2.4c:

- Renaming now works like Workbench: same volume = rename, different volume = copy.
- Improved the calculation for the longest right-side protection string.
- Fixed a deadlock situation which would occur if an error happened before a window's message port was assigned.

2.4b:

- When renaming, the old icon would still exist if it didn't have a file.
- Small improvements to string disposal.
- Fixed the last of the bugs causing TTManager to be less than stable (if the replace string routine needed to create a new string, no one received the new string's address).
 - Special thanks to Michael Taylor for bug reports and beta testing above and beyond the call of duty. :-)

2.4a:

- If no file exists, the protection bits are given default values of Readable, Writeable, Executable, and Deletable.
 - Bug fix: A couple strings were never freed..
 - Bug fix: String-trimming routine needed a "greater-than-zero" test, as opposed to just "not zero".
 - Bug fix: "Maximum windows open" warning would be reported as "font too big".
-

2.4:

- Improved the Commodity interface.
 - Starting a second TTManager pops up the About requester.
 - TTManager responds to Show/Hide Interface commands.
- Found and removed a couple pieces of useless code.
- Found and fixed a bug which could cause occasional crashes or lock-ups.
 - Reported by Jeff Dettman.
- Canceling a file requester no longer quits TTManager (an undocumented "feature" in v2.3 :-)).
 - Reported by Gerald Schnabel.
- "Hidden" no longer has a colon. :-)
 - Reported by Gerald Schnabel.
- Sort was broken, and would cause GURUs.
 - Reported by Gerald Schnabel.
- Changes to the ttmanager.cd file (changes are listed at the top of the file).
- The layout routines no longer assume "Archived" to be a longer word than "Script", "Pure", or "Hidden".
- The interface wasn't updated after icons were dropped onto the AppWindow.
- Bug fix: Bad CLI args would cause a crash.
 - Reported by Rob Sullivan.
- Bug fix: Attempting to load a file which didn't exist would cause a crash.
- The "Last Modified:" date might have extra spaces if english is not your native language (OS's fault! :-)).
 - Reported by Gerald Schnabel.

2.3:

- Optimized localization routines, and a few others.
- New error messages; better error handling in window-opening routines.
- Fixed several goofs/oversights I made in v2.2 (it was a beta anyway). :-)
- Warning requester when tooltype list exceeds 65,535 items (as if :-)).

2.2:

- Localized.

2.1:

- Many internal changes:
- List, string, resource, file requester, and file name handling routines and GUI/menu updating routines replaced with newer, improved code.
- Fixed (most) known bugs. So how many new ones did I introduce?! :-)

2.0a:

- The listview string gadget would initially be empty if EDITMODE was set to "EDIT". A crash would result if this non-existent string was edited.
- Keyboard shortcuts for page-specific gadgets only function when their page is active (except for the Undo and Redo buttons).
- The Stack, Default Tool, and Comment gadgets now have keyboard shortcuts.
- Updated the docs.

2.0:

- Many big changes:
- Added the Icon Type cycle gadget.
- Added the Page cycle gadget...
- ...And the Information page, which allows manipulation of a file's:
 - Stack,

- Default Tool,
- Comment, and
- Protection bits.
- The File name gadget now displays the path and file name. The window's title bar just displays "TTManager v2.0".
- Removed the Original Name menu item. The File name gadget is now serviced by the undo routines.
- The undo routines now handles the File name gadget and all new gadgets and menus.
- The File name gadget can now move files across volumes, and relabel disks.
- Added the Information menu.
- The keywords for EDITMODE, LOADMODE, and LOADTYPE no longer have to be entered in all caps.

1.3a:

- Fixed the bug which crashed 68000/68010 systems (had GTLV_LABELS set to -1 when creating the gadget (dumb, dumb, dumb, dumb, dumb, dumb, dumb)).
- Fixed the minimum window height and listview height calculations. Again.
- A little more code cleaning, and small fixes.

1.3:

- Clear Clip menu option.
- Add to Clip edit mode.
- Some code cleaning; saved 624 bytes.

1.2a:

- Changed the default hotkey string to a 2.04 compatible format.

1.2:

- TTManager is now a Commodity.
- Added an AppMenu item (why didn't I think of this before?).
- Quits when a Break-C is recieved.
- NOAPPICON, CX_PRIORITY, and HOTKEY keywords.

1.1a: (unreleased)

- No longer keeps a permanent lock on Workbench; only when a window is open.

1.1:

- EDITMODE, LOADMODE, and LOADTYPE keywords.
- Items pasted from the clipboard are now inserted after the currently selected tooltype.

1.0:

- Bug fixes, and general fiddling around with things.

0.9b:

- MAXUNDO keyword; undos can now be limited or disabled.
- Some minor bug fixes.

0.9a:

- Okay, the "Duplicate" edit mode can really be undone now.
 - Also able to be undone/redone:
 - The delete all/current to top/end menu options.
 - Clipboard cutting and pasting.
 - All the load-modes (replace all, append all, etc. (from either icons or ASCII)).
-

0.9:

- Undo & Redo. So far, the following can be undone/redone:
 - All the edit modes, add, edit, toggle, delete, move, & duplicate.
 - Reverse tooltype list.
 - Enable/disable/toggle-all tooltypes.
 - Flush undo buffer (current & global).
 - The "About" requester now displays some info. about the current window.
 - Keyboard shortcuts for more of the menus & the GUI.

0.8:

- Improved the quit-program process (as if you would ever want to quit TTManager (well, maybe to start up a newer version) :-)).
- Huge internal changes; optimised and replaced about half the source with OO code.

0.7b:

- Fixed various Enforcer hits and bugs.

0.7a:

- Added a version string.
- Bug Fix: Didn't check if tooltype pointer was NIL.

0.7:

- Clipboard support.

0.6:

- Sort.
- The tooltype load modes "Only New" & "Only Existing".
- Fixed the window minimum-height calculation.

1.74 TTManager: Credit Where Credit Is Due Dept.

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-

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- Vellis Alexandros - Greek translation.
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- The Ramones,
U2,
Blondie,
Deborah Harry,
The Heads,
Lord of the Dance soundtrack - Music to program by.
- You - For using TTManager!

1.75 TTManager: Me

Contacting Me:

Comments, questions, bug reports, or whatever can be directed to me at the addresses below (e-mail is preferred).

Check out the Web page from time to time; the latest versions of whatever I happen to be working on will always be available there first. Also, new catalogs/translations will appear there.

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