ExtraInfo

COLLABORATORS

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ExtraInfo

1.1 ExtraInfo.guide

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                              ExtraInfo V1.3
                 By Nick Christie
                 16th August 1995



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1.2 ExtraInfo: Distribution

Distribution
============

o ExtraInfo is Copyright ©1995 by
             Nick Christie
               .
   All rights are reserved.

o ExtraInfo is "freeware" so no donation is required. It is not in
   the public domain.

o ExtraInfo may be freely distributed provided all the files listed
   in
             Contents
              remain unaltered and are included in the distribution.
   They may, however, be archived to conserve space. The BGUI library
   may be removed if, and only if, it is present elsewhere on the
   distribution medium.

o No profit is to be made by selling this software. You may only
   charge enough to cover reasonable production and distribution
   costs.

o This software may not be included in a commercial package, or on a
   magazine coverdisk, without the author's written permission.

o This software may not be uploaded onto any BBS that claims
   copyright on uploaded material.

o If you use ExtraInfo, I would enjoy receiving a postcard or email

       from you. See my
                addresses
                   .

                    ExtraWBInfo is Copyright
                        ©1995 Simon Dick.

                The BGUI library is Copyright
            ©1993-5 Jaba Development/Jan van den Baard.

                The
             WhatIs
              library is Copyright
             ©1994 Sylvain Rougier & Pierre Carrette.

                The
             NewIcons
              system is Copyright
                    ©1994 Nicola Salmoria.

                The
             MultiUser
              system is Copyright
                ©1993-1994 Geert Uytterhoeven

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         are registered trademarks of Commodore-Amiga, Inc.

1.3 ExtraInfo: Disclaimer

Disclaimer
==========

This program is provided "as is" without warranty of any kind, either
expressed or implied, including, but not limited to, the implied
warranties of merchantability and fitness for a particular purpose.
The entire risk as to the quality and performance of this program is
with you. In no event can I be liable to you for damages of any kind
arising out of the use of this program, or the inability to use it.

1.4 ExtraInfo: Package Contents

Package Contents
================

This package consists of:

  ExtraInfo   The program itself.
  ExtraInfo.info   8 colour icon for above.

```
ExtraInfo.appicon.info  8 colour icon for use as AppIcon.

ExtraInfo.readme        Program overview in text format.
ExtraInfo.readme.info   8 colour icon for above.

ExtraInfo.guide         Documentation in AmigaGuide format.
ExtraInfo.guide.info    8 colour icon for above.

ExtraInfo.install       Installation script.
ExtraInfo.install.info  8 colour icon for above.

ExtraInfo.pi            Product-Info file for databases.

ExtraWBInfo             WB Information patch program for OS3+.
ExtraWBInfo.info        8 colour icon for above.

ExtraWBInfo.guide       Documentation in AmigaGuide format.
ExtraWBInfo.guide.info  8 colour icon for above.

Icons/...               Alternative icons for program, etc.

Catalogs/...            Catalog files.

Libs/bgui.library       Jan van den Baard's interface library.

BGUI.guide              AmigaGuide documentation for above.
BGUI.guide.info         8 colour icon for above.
```

1.5 ExtraInfo: Introduction

```
                Introduction
============
```

ExtraInfo is a replacement for the Workbench "Information" function.
It can do everything that that facility can, and plenty more. The main
advantage of ExtraInfo, as far as I'm concerned, is that it is font
sensitive and keyboard controllable. There are also some useful icon
functions included, plus finer control over the tooltypes, and

```
                AppWindow
                /
                Icon
                 support. All in a resizeable window.
```

There's much more (see the
```
                Features
                 list) but I suggest you stop
```
reading this stupid guide and try the thing out - it doesn't take a
brain surgeon to figure out the basics. Click once on the ExtraInfo
icon, hold down either Shift key and double click on another icon.
Come back to this guide when you've had a play with it.

Tip: If you prefer to use the keyboard, press the Tab key to step from
     page to page, and the up and down cursor keys to scroll the list
     of tooltypes.

1.6 ExtraInfo: Features

```
                    Features
========

 o Can be started from Workbench or Shell.

 o AmigaOS3 WBInfo() support, using ExtraWBInfo by Simon Dick,
   allowing you to summon ExtraInfo using the Workbench "Information"
   menu item, and within other programs that support this interface.

 o Edit
                    tooltypes
                    , with Insert, Toggle, Duplicate and Remove buttons.
   Also arrange their order with Top, Bottom, Up and Down, and
   cut/copy/paste them to/from the clipboard.

 o Comprehensive
                    file
                    ,
                    volume
                     and
                    icon
                     information display.

 o Fully supports the
                    NewIcons
                     system, by Nicola Salmoria.

 o Displays
                    version ID strings
                     and
                    file type
                     (using WhatIs
   library, by Sylvain Rougier and Pierre Carrette, not included).

 o Replace icon image by dragging and dropping, or requesting WhatIs/
   AmigaOS default icon, or by choosing an icon with a requester.

 o Strip or add bitplanes to icon images - useful for reducing size of
   icon file or eliminating image corruption in faulty icons.

 o UnSnapshot icon position and swap pens 1 and 2 (black and white,
   called "ReColor" in IconEdit).

 o Menu item to launch user-configurable, external icon editor.

 o
                    AppWindow
                     support - drop icons on window to show info for them, to
   replace icon images, to specify default tool, or to quickly insert
   filenames into tooltypes.
```

o

AppIcon

option, with user-configurable image and placement.

o Opens on the default public screen, optionally on a named one.

o Font-sensitive gadget layout in resizeable windows using BGUI
  library: uses the screen's default font, with option to override
  and specify font.

o Option to specify tooltypes listview font.

o All gadgets have keyboard shortcuts.

o AmigaGuide documentation, available on-line.

o Installer script included.

o Locale support for presenting all text and messages in the user's
  preferred language, plus option to override and specify language.

1.7 ExtraInfo: Requirements

                Requirements
============

ExtraInfo requires:

  o AmigaOS 2.04 / Kickstart V37 or higher.
  o bgui.library V38 or higher.   (windows, gadgets, etc)

The following disk-based Commodore libraries are required, but are
part of AmigaOS 2.04 and higher anyway:

  o asl.library V37 or higher.   (file requester)

The following disk-based libraries are optional, but their absence
will limit the functionality of ExtraInfo:

  o locale.library V38 or higher.   (localization)
  o diskfont.library V36 or higher.   (custom font support)
  o whatis.library V2 or higher.   (file type identification)
  o amigaguide.library V33 or higher.   (on-line help)

All the above libraries are standard Commodore ones, except for BGUI,
by Jan van den Baard (included), and WhatIs, by Sylvain Rougier and
Pierre Carrette (not included). WhatIs is available from AmiNet in
directory util/cli and on Fish Disk 995.

Programmers are encouraged to get the full BGUI package from AmiNet,
in directory dev/gui.

                NewIcons

          support requires (surprise) the NewIcons package by Nicola
Salmoria, available from AmiNet in directory util/wb.

          MultiUser
           support of course requires the MultiUser system by Geert
Uytterhoeven. You can find this on AmiNet in directory util/misc.

In addition,
          version ID
           display requires that the AmigaDOS command
"Version" be available on ExtraInfo's path (it's usually in the "C:"
directory), and that the logical assign "T:" exists (this is created
during the standard startup sequence).

1.8 ExtraInfo: Installation

          Installation
============

A script for Commodore's Installer utility is provided, just double
click on the install icon. Installer is available from AmiNet in
directory util/misc or from Fish Disk #870.

If you prefer to perform the installation by hand:

  o copy ExtraInfo anywhere you like;

  o copy Libs/bgui.library to LIBS: or to the same directory as
    ExtraInfo (check in case you already have a newer version).

Optionally:

  o if you have AmigaOS3+ and would like to run ExtraInfo from the
    Workbench "Information" menu item, copy ExtraWBInfo to your
    WBStartUp drawer, and ExtraWBInfo.guide anywhere you like;

  o copy ExtraInfo.guide anywhere you like (you will need to set the

          GUIDENAME
           tooltype if it's not on AmigaGuide's search path);

  o if you would like to use the supplied appicon, copy
    ExtraInfo.appicon anywhere you like (except the WBStartUp drawer)
    and set the
          APPICONNAME
           tooltype to point to it;

  o copy the catalog file for your preferred language to
    "LOCALE:Catalogs/<language>/ExtraInfo.catalog".

1.9 ExtraInfo: Starting and Quitting

                    Starting and Quitting
======================

To start ExtraInfo from the Workbench:

  1. Double click on its icon. It will open a file requester asking
     you to select the file or directory you want information on. It
     is also possible to configure ExtraInfo to start up without this
     requester, leaving only an
               AppIcon
                on the Workbench.
or
  2. Click on the ExtraInfo icon once, then with either Shift key held
     down, double click on the icon you want to examine.
or
  3. If you have ToolsDaemon or ToolManager installed, you may wish to
     put ExtraInfo in the Workbench Tools menu, or in a dock window,
     and start it that way.
or
  4. If you have AmigaOS3 or higher, install the ExtraWBInfo program
     and you can then start ExtraInfo from the Workbench "Information"
     menu item.

To start ExtraInfo from a Shell:

  1. Move to the directory where you have placed ExtraInfo (or set
     your search path to include that directory), enter "ExtraInfo"
     and press Return. A file requester will open, as above.
or
  2. As above, but add a file or directory name to skip the requester
     and display information for that item.

To quit ExtraInfo:

  1. Click on the Save or Quit button gadgets.
or
  2. Press 'S' for save, or 'Q' for quit.
or
  3. Select "Save" or "Quit" from the menu.
or
  4. If ExtraInfo has its AppIcon enabled, double click on it and
     select the Yes button of the confirmation requester.
or
  5. Send it a CTRL+C signal using the AmigaDOS 'Break' command.

To close the ExtraInfo window but keep the program running (only
available if the
               AppIcon
                is enabled):

  1. Click on the Close button gadget, or CloseWindow gadget.

```
or
  2. Press 'O'.
or
  3. Select "Close" from the menu.
```

You will be asked for confirmation if you try to quit the program or
close the window without saving changes made to the current object.
This confirmation can be suppressed with the
                    NOWARNCHANGE
                      tooltype.

1.10   ExtraInfo: Using the Program

```
                    Using the Program
==================
```

ExtraInfo's window contains several pages of displays and gadgets, the
exact type and number depends on what kind of item it is currently
showing information for (ie. file, directory or volume).

Across the top of the window you will see either two or three "tabs",
one for each page. Clicking on one of those tabs brings the associated
page forward. You can also press the Tab key on the keyboard to move
to the next page and Shift+Tab to move to the previous page.

The four possible pages are:

  o
                    Tooltypes Page
                     o
                    File Info Page
                     o
                    Volume Info Page
                     o
                    Icon Info Page
                   Across the bottom of the window on each page are six gadgets:

  o Save - to save your changes and close the window;

  o Write - to save your changes but keep the window open;

  o Next - to move to the next file (if you specified more than one);

  o Prev - to move to the previous file;

  o Close - to close the window, without saving or quitting (available
            only if the
                AppIcon
                 is present);

  o Quit - to close the window and quit ExtraInfo.

Note that, on multiuser systems, Save and Write will be disabled if

you do not have the write permission for the current object.

There are also similar commands in ExtraInfo's
                menu
                .

ExtraInfo's window is also an AppWindow – you can show information for
a new object by dropping its icon on the window. See the
                AppWindow
                section for more information.

If you have enabled it, you can show information for a new object by
dropping its icon on the
                AppIcon
                .

ExtraInfo can be controlled via the keyboard, though not all the
keyboard shortcuts are displayed – see the
                Keyboard
                 section for
details.

1.11 ExtraInfo: AppIcon Usage

                AppIcon Usage
=============

If you supply the
                APPICON
                 tooltype, ExtraInfo will place an AppIcon on
the Workbench screen. You can get information for an object by
dropping it on this AppIcon.

The default image for the AppIcon is the icon "ExtraInfo.appicon",
which is looked for in ExtraInfo's current directory. To specify a
different icon, use the
                APPICONNAME
                 tooltype. You can also set the
AppIcon position with the
                APPICONX and APPICONY
                 tooltypes.

If you supply the tooltype
                NOPOPUP
                 along with APPICON, ExtraInfo will
start without opening its window. This is a sensible combination to
use if you want to put ExtraInfo in your WBStartup drawer.

For the details on all these tooltypes and more, see the
                tooltypes
                section.

1.12   ExtraInfo: AppWindow Usage

```
                AppWindow Usage
===============
```

ExtraInfo's window is an AppWindow – this means it reacts to icons you
drop on it. What happens depends on which part of the window you drop
the icon on:

  o Edit string gadget on the
                Tooltypes Page
                : the name (with full
    path) of the object is appended to the current tooltype entry.

  o Default Tool string gadget on the
                Icon Page
                : the name (with full
    path) of the object replaces the current contents of the gadget.

  o Icon Image button gadget on the
                Icon Page
                : after confirmation, the
    existing icon image is replaced by that of the dropped object.

  o Anywhere else: ExtraInfo loads and displays information for the
    dropped object.

Please note: you cannot use the drag–and–drop method with drawer icons
for which no associated directory exists (eg. imagedrawer icons within
icon collections). This is an unfortunate limitation of Workbench and
not a bug in ExtraInfo (try dropping one of those icons on IconEdit).
Instead, press the "Image..." button on the Icon Page to select the
replacement image using a file requester.

1.13   ExtraInfo: Menu Commands

```
                Menu Commands
=============
```

ExtraInfo has two menus, titled Project and Files.


```
Project Menu
------------
```

```
Open
----
```
Selects a new file or directory to examine. You will be presented with
a file requester for making your selection.

```
Edit
----
Launches your icon editor, as specified with the
                ICONEDITOR
                  tooltype.


Write
-----
Saves any changes you have made to the tooltypes, file protection
flags, etc, without closing the window. On multiuser systems, Write
will be disabled if you do not have the write permission for the
current object.


Save
----
Saves any changes you have made to the tooltypes, file protection
flags, etc. ExtraInfo will then quit (or just close the window, if its

                AppIcon
                  is enabled). On multiuser systems, Save
will be disabled if you do not have the write permission for the
current object.


Save As
-------
Saves the icon-related information (tooltypes, icon image, stack size,
default tool, etc) under another name. You will be presented with a
file requester to specify the new name, and warned if an icon with the
specified name already exists.


Help
----
Displays ExtraInfo's AmigaGuide documentation (you're reading it),
starting with the section that describes the currently active page.
You will need to set the
                GUIDENAME
                  tooltype if the guide is not on
AmigaGuide's path.


About
-----
Displays some information about the program, such as the version
number and catalog in use, and about me, the author (no, not my
version number!).


Close
-----
This item is enabled only when ExtraInfo's
                AppIcon
                  is active. It
causes ExtraInfo to close its window without quitting entirely; the
```

AppIcon is left on the Workbench.

Quit

Quits ExtraInfo, removing its AppIcon if present.

Files Menu

You will find listed as items in this menu the names of all the files
and directories you specified when you started ExtraInfo (or that you
subsequently dropped on the
                AppWindow
                /
                Icon
). Selecting an item causes
ExtraInfo to display the information for that object. See the
                FILES
                keyword for instructions on how to specify multiple files on start ←
                    up.

1.14   ExtraInfo: Keyboard Usage

                Keyboard Usage
==============

You can control ExtraInfo via the keyboard. The
                menu items
                 have
shortcuts accessed as usual with the Right Amiga key, the gadgets have
shortcut keys indicated by the underlined letter in the gadget label.
The BGUI guide gives full details concerning gadget control using the
keyboard.

A few keyboard shortcuts cannot be displayed:

  o Tab   - moves to the next page of gadgets;
  o Shift+Tab   - moves to the previous page;
  o Esc   - closes the window;
  o Help   - opens this AmigaGuide documentation;
  o Up/Down   - scrolls the tooltypes list on the tooltypes page;
  o Shift+Up/Down - scrolls the tooltypes list a page at a time;
  o Ctrl+Up/Down - scrolls to the top/bottom of the tooltypes list.

1.15   ExtraInfo: Tooltypes Page

Tooltypes Page
==============

Note: all the gadgets on this page except the listview are disabled
when the object for which information is being shown does not have its
own icon – there would be nowhere to save the tooltypes to otherwise.

You may still see tooltypes in the list, though. These are the ones
present in the default icon which the AmigaOS has supplied to
ExtraInfo. Usually these default icons can be found in the ENV:Sys
directory, with names like "def_tool.info" and "def_project.info".

In addition, all button gadgets except for Insert and Paste are
disabled if there are no tooltypes to manipulate.

Tooltypes

Most of this page is occupied by a listview gadget, which shows you
the tooltypes present in the icon. Use the mouse or cursor up/down
keys to scroll through the list. If you are using the keyboard,
pressing Shift+Up/Down scrolls by a page and Ctrl+Up/Down scrolls to
the top or bottom of the list.

The currently selected tooltype is shown highlighted. This is the
tooltype that the buttons described below will operate on. You can
select multiple tooltypes using the mouse – either by clicking and
dragging to select a range, or clicking with the Shift key held down
to select individual entries. Only the toggle, remove, cut and copy
operations support multiple selection, however.

Edit

To edit an existing tooltype, select it in the listview and it will
appear in this string gadget where you can edit it to your heart's
content. Just remember to press the Return key when you're done!

You can also drop icons in this gadget – the name of the object (with
full path) will be appended to the current contents.

Top, Up, Down, Bottom

Moves the selected tooltype in the direction specified.

Insert

Allows you to add a new tooltype, inserting it above the currently
selected one. The new, empty tooltype is automatically selected and
the Edit gadget activated, ready for you to type in the value.

Toggle

The Toggle button can be used to turn tooltypes on and off, by
enclosing the whole line in parentheses. When a tooltype is
parenthesized it won't be recognized by programs, but remains in the
icon as a helpful reminder should you wish to turn it back on again.

If the selected tooltype is already enclosed in parentheses, the
Toggle button will remove them. Hence the name.

As a special case, if the tooltype has a value of YES, NO, TRUE,
FALSE, ON or OFF, ExtraInfo will change the value to its opposite.

You can select multiple tooltypes and toggle them all simultaneously.

Duplicate

Inserts a copy of the currently selected tooltype and activates the
edit gadget. Remember to press the Return key when you've finished
editing.

Remove

Deletes the currently selected tooltype(s).

Cut

Copies the currently selected tooltype(s) to the clipboard, each on a
separate line, then removes them from the list.

All/None

This button selects all the tooltypes in the list, for use with the
toggle, remove, cut or copy operations. If the tooltypes are all
already selected, pressing this button deselects them.

Copy

Copies the currently selected tooltype(s) to the clipboard, each on a
separate line.

Paste

Reads text from the clipboard, inserting each line into the list as a
new tooltype. You will be asked for confirmation if the clipboard
contains a large amount of text. You will also be notified if any
entries were truncated because they were too long to be valid as
tooltypes (the limit is currently 255 characters).

1.16 ExtraInfo: File Info Page

                    File Info Page
==============

The File Info page is available if the current object is a file or
directory. Note that it will not appear if you drop an icon on

ExtraInfo's window which has no associated file - the words "No File"
will be shown in the window title bar in that case.

Attributes

Some attributes of the file or directory being examined are displayed
down the left hand side of this page:

Bytes   Size of the current file in bytes. Zero for directories.

Blocks   Size of the current file in blocks. Zero for directories.

Key   Disk key, in hexadecimal. Usually indicates the physical
          location of the object on disk as a block number.

Owner ID In multi-user systems, the ID of the file's owner.

Group ID In multi-user systems, the ID of the owner's group.

Changed   The date and time this file or directory was last changed.

Version

Shows the version string embedded in the file (if any). This will
initially say "(Undetermined)" as the file has not been examined yet.
Click the button on the right to make ExtraInfo search for and display
the version string. See
                Version ID Strings
                 for some more information.

FileType

The current object's type, as returned by the WhatIs library. This
will initially say "(Undetermined)" - click the button on the right
to make ExtraInfo discover the filetype. See
                Identifying File Types
                for some more information.

Protection Flags

On the righthand side of the page, a column of checkbox gadgets allows
you to set and clear the various protection flags of the current file
or directory.

User

The User cycle gadget lets you set the Read, Write, Execute and Delete
flags for the object's owner (Own), group (Grp) and others (Otr). On
multi-user systems, changes to some flags may not be permitted due to
access restrictions (only root and owner may change flags, unless the
file has no owner).

```
Comment
-------
```
Also known as filenotes, comments up to 80 characters long can be
attached to files and directories. These are stored within filesystem
structures and therefore not dependant on the existance of an icon. It
is not possible, however, to save comments with some filesystems,
notably MS-DOS. Unfortunately, ExtraInfo can't easily determine this –
you may get an error message when you select the Save gadget, or the
comment may be quietly ignored.

1.17   ExtraInfo: Volume Info Page

```
Volume Info Page
================
```

This page is available if you ask ExtraInfo to show you information
about a volume (ie. disk). There are no gadgets here, just a display
of attributes and statistics.

Starting in the top left corner and working downwards:

 Bytes   The total capacity of this volume in bytes, followed in
            parentheses in units of kilobytes (K), megabytes (M) or
            gigabytes (G), whichever is most appropriate.

 Free   The total free space in bytes, displayed as above.

 Used   The total bytes used on the volume, displayed as above.

 Full   How full the volume is, expressed as a percentage.

 Created   The date and time this volume was last initialized (ie.
            formatted).

 Status   The volume's current status – one of: "Read Only",
            "Validating" or "Read/Write".

 Device   The name of the Exec device controlling this volume.

Note that the bytes total, free and used will differ from that
reported by the AmigaDOS Info command when using the OldFileSystem.
This is because the OFS imposes an overhead that ExtraInfo takes into
account but Info does not.

Starting in the top right corner and working downwards:

 Blocks   The total capacity of this volume in blocks.

 Free   The total free space in blocks.

 Used   The total blocks used on the volume.

 Size   The size in bytes of each block.

```
 Errors    The number of read/write errors that have occurred with
           this volume during the current session.

 FileSys   The type of filesystem installed on this volume, one of:
           OFS    (OldFileSystem),
           FFS    (FastFileSystem),
           I-OFS  (International OFS),
           I-FFS  (International FFS),
           DC-OFS (Directory-Cached OFS),
           DC-FFS (Directory-Cached FFS),
           KICK   (Kickstart Disk),
           MSDOS  (MS-DOS).

 Unit      The Exec device unit number for this volume.
```

1.18   ExtraInfo: Icon Info Page

```
               Icon Info Page
==============
```

This page displays some information about the icon for the file,
directory or volume you asked ExtraInfo to examine. If the object does
not have an icon (an associated ".info" file), the appropriate default
icon will be displayed here, but the gadgets will be disabled.

Type

The type of icon is shown here, one of: "Volume", "Drawer", "Tool",
"Project" or "Trashcan". In addition, "(NewIcon)" is displayed if the
icon is a NewIcon.

Bytes

The size in bytes of the icon's ".info" file. "(Unknown)" is displayed
for default icons, or if you have changed the icon image.

Size

The width and height of the icon in pixels. May not always match the
image size, though.

Position

The left and top position of the icon within the drawer window
co-ordinate system. If the icon has been "unsnapshot", the word "None"
is used to indicate that the icon has no fixed position.

Highlight

What Workbench will do to highlight the icon when it is selected. One
of the three highlight modes: "Alt.Image", "Complement" and
"Backfill". NewIcons without an alternate image have the highlight
method "None".

Icon Image

The icon image is displayed in a button gadget. Click on it to see the
alternate image, if available. Complement and backfill highlight modes
are not emulated, however.

This button is also a drop-box, as indicated by the ridged frame
around it. If you drag an icon from the Workbench and drop it in this
box, ExtraInfo will ask you if you wish to use the new icon image. If
you select 'Yes', the current icon image will be replaced. This is a
similar facility to that provided by such programs as IconUpdate and
is also a neat way to add an icon to a file that doesn't have one.

ExtraInfo cannot currently replace a NewIcon image with a standard
one, you will get a message to that effect if you try it.

Colours

Use this slider to increase or decrease the colour depth of the icon
image. You can see the effect immediately in the image displayed to
the right. This does not perform any fancy colour remapping
operation, it merely cuts out bitplanes or adds blank ones in.

This function is useful for two reasons: to cut down the size of the
icon file by eliminating unused bitplanes (eg. a 256 colour icon
displayed on a 4 colour Workbench), and to eliminate image corruption
seen in faulty icon images when displayed at a higher colour depth
than originally intended.

This gadget is disabled for NewIcons, as they do not store the image
data in bitplanes. The number of colours is still displayed, however.

Swap B/W

When Commodore released Workbench 2.0, they swapped the colours used
by the system in pens 1 and 2 (originally white and black). Hence
older icons look incorrect on newer systems. This button changes all
pen 1 pixels in the icon image to pen 2, and vice versa, to correct
such icons. This is the same operation performed by the "Recolor" menu
item in the AmigaOS2+ IconEdit program. This gadget is disabled for
NewIcons, as they are unaffected by this change.

Stack

This integer gadget is used for setting the stack size of the program
(tool) launched by a project icon. The minimum setting is 1024 bytes,
the maximum is 128K. You should be careful when setting the stack
size, as some programs will crash if they run out of stack space. The

standard minimum for AmigaOS2 and above is 8000 bytes, and some
programs may need more than this.

UnSnap

Just like the "UnSnapshot" Workbench menu item, except that the change
takes place only when you save the icon. The button is disabled after
use, since it only makes sense to use it once.

Image

Select this button to change the image for the current icon. You will
be asked if you wish to substitute the default icon for this filetype,
or select one using a file requester. The default icon is obtained
from the WhatIs library if available, otherwise the AmigaOS is asked
to supply one. Since WhatIs supplies the default icon name, but not
its directory, you may have to set the
                DEFICONDIR
                 tooltype.

DefTool, Req

Use this string gadget to specify the default tool for project icons
(ie. what program should run when you double-click on them). To select
a default tool using a file requester, click on the Req button. You
can also drag a tool icon from the Workbench and drop it in the string
gadget to have its name (with full path) entered there.

1.19   ExtraInfo: NewIcons Support

                NewIcons Support
================

The NewIcons system was developed by Nicola Salmoria, with icon
artwork by Roger McVey and documentation by Philip A. Vedovatti. It
enables icons to have up to 256 colours and automatically remaps
colours to fit the screen palette. You'll find the full package on
AmiNet in directory util/wb, along with a number of archives
containing replacement icons for common programs.

NewIcons hold standard icon image data embedded within them, the new
image data is held in the tooltypes. This tooltype data is hidden if
NewIcons is running, so you won't see it when using ExtraInfo (or any
other program).

If NewIcons is available, ExtraInfo will display the remapped NewIcon
image on the
                Icon Info Page
                . It can replace the image of a NewIcon
with that of another NewIcon, and you can promote a standard icon to a
NewIcon as well. Currently, however, you cannot replace a NewIcon

image with that of a standard icon.

If the current icon is a NewIcon, ExtraInfo will display that fact in
the Type field of the Icon Info Page. The Icon Colours slider, and
Swap B/W buttons on that page will be disabled, however, since those
operations are only applicable to standard icons.

Contact info for NewIcons author:

    Nicola Salmoria
    Via Piemonte 11
    53100 Siena   ITALY

    E-Mail: MC6489@mclink.it

1.20   ExtraInfo: MultiUser Support

                    MultiUser Support
==================

ExtraInfo supports the MultiUser filesystem developed by Geert
Uytterhoeven.

To quote from the readme for MultiUser:

  "MultiUser allows you to create a *IX-like environment where several
   users live together in harmony, unable to delete each others files,
   unable to read those private love-letters of other users. And this
   even if several users are working on the machine at the same time
   (on a terminal hooked up to the serial port)."

You'll find the full package on AmiNet as MultiUser18bin.lha, in
directory util/misc.

The support from ExtraInfo extends to the following:

  o Group and Owner IDs for files and directories are displayed as
    short character identifiers on the
                File Info Page
                , rather than
    gid/uid numbers.

  o The Save and Write buttons and menu items are disabled if the user
    does not have the required access rights. This is a visual
    indication only - MultiUser has the final say on whether or not
    write access is given.

  o The protection flags for the file owner's group and the 'others'
    category are displayed. They also made editable only if the user
    has the necessary access rights.

1.21   ExtraInfo: Version ID Strings

                    Version ID Strings
==================

In the
                    file information page
                    , ExtraInfo tries to find and display the
version ID string of the current file. This string has a standard
format: "$VER: v.r (dd.mm.yy)" where v is the version number, r the
revision number, dd the day, mm the month and yy the year. This is not
present in all files, however. The author must deliberately embed it
there.

The AmigaDOS Version command can be used to display embedded version
IDs, and ExtraInfo takes advantage of that by calling on it. This does
mean, though, that the Version command must be present in your C:
directory (or elsewhere on Workbench's path) for this facility to
work.

In addition, to read what Version finds out, ExtraInfo redirects its
output to a temporary file called "T:ExtraInfo.temp", which is deleted
immediately afterwards. So the directory assign "T:" must be defined.
The standard Commodore startup-sequence assigns "T:" to the RAM Disk,
so this is not generally a problem.

However, when asked for the version of some special system files such
as libraries, the Version command does not examine the file on disk if
that object is already loaded into memory – it returns the version of
the copy in memory. This can be a nuisance if, for example, you want
to see if a library on disk is newer than the copy you already have.
In addition, left to itself, Version will load the library into
memory, if it isn't there already, to see what its version number is.
This wastes memory, although admittedly the library will be flushed
out if not in use when more memory is required.

To avoid this, ExtraInfo adds the command line argument "FILE" when it
calls Version. This causes the command to search the file itself for
the version ID string described above, without loading libraries and
so on. The downside is that the Commodore disk-based libraries such as
"asl.library" do not contain embedded version ID strings. Oh well.

NB: ExtraInfo does not try to find version strings automatically – you
must press the appropriate button on the
                    file information page
                    . If you
would like this to be automatic, set the
                    GETVERSION
                     tooltype.

1.22   ExtraInfo: About File Types

                    About File Types

================

ExtraInfo relies on a package called WhatIs, by Sylvain Rougier and
Pierre Carrette, to determine file types. You must already have at
least version 2 of this library installed on your system for this
facility to work. This library is available from AmiNet in directory
util/cli and on Fish Disk 995.

ExtraInfo will not automatically get filetype information - you must
press the appropriate button on the
                file information page
                . If you
would like this to be automatic, set the
                GETFILETYPE
                 tooltype.

The WhatIs library is also used when replacing an icon's image with a
default one - see the
                Icon Info Page
                .

-- It is with regret that I have heard of Pierre Carette's tragic
   death in a motorcycle accident. Though I did not know him, I extend
   my sympathies to his family and friends. For his work on WhatIs and
   Browser, I am grateful.

1.23 ExtraInfo: Tooltypes

                Tooltypes
=========

The tooltypes ExtraInfo looks for in its program icon are described
below. The arguments used from a shell are identical, except where
stated otherwise. The full shell template (with abbreviations) is:

 FILES/M,NP=NOPOPUP/S,AI=APPICON/S,AN=APPICONNAME/K,AX=APPICONX/K/N,
  AY=APPICONY/K/N,GV=GETVERSION/S,GF=GETFILETYPE/S,DI=DEFICONDIR/K,
     IE=ICONEDITOR/K,GN=GUIDENAME/K,LA=LANGUAGE/K,PS=PUBSCREEN/K,
   WF=WINDOWFONT/K,LF=LISTFONT/K,MW=MINWINSIZE/S,SW=SAVEWINSIZE/S,
     CS=CENTRESCREEN/S,NW=NOWARNCHANGE/S,RI=READICON/S,SCREEN/K

ExtraInfo's tooltypes consist of basically three kinds:

String - you must supply a string of some kind; a filename, public
          screen name, etc. For example, "LANGUAGE=deutsch".

Integer - you must supply a numeric value (a whole number). For
          example, "APPICONX=52".

Boolean - In tooltypes you must supply one of the following: YES, NO,
          TRUE or FALSE. For example, "APPICON=YES". You can also omit
          the value entirely, which indicates the YES or TRUE state.

On a shell command line, just state the keyword without a
value to get the TRUE state, omit the keyword for FALSE.


```
Tooltype         Type     Short Description
------------     ----     ----------------------------------

        FILES
             STR      The files/dirs to examine (Shell).

        NOPOPUP
             BOOL     Start without opening window.

        APPICON
             BOOL     Enable the AppIcon.

        APPICONNAME
             STR      Icon to use as AppIcon.

        APPICONX
             INT      AppIcon horizontal position.

        APPICONY
             INT      AppIcon vertical position.

        GETVERSION
             BOOL     Get Version ID immediately.

        GETFILETYPE
             BOOL     Get FileType immediately.

        DEFICONDIR
             STR      Directory for default icons.

        ICONEDITOR
             STR      Command to run icon editor.

        GUIDENAME
             STR      Where to find ExtraInfo.guide.

        LANGUAGE
             STR      Specify language catalog.

        PUBSCREEN
             STR      Name of public screen to open on.

        WINDOWFONT
             STR      Font to use in window.

        LISTFONT
             STR      Font to use in tooltypes list.

        MINWINSIZE
             BOOL     Always open window at smallest size.

        SAVEWINSIZE
             BOOL     Save window size/position on exit.
```

```
              CENTRESCREEN
                    BOOL      Open window in centre of screen.


              NOWARNCHANGE
                    BOOL      Suppress "Discard Changes?".


              READICON
                    BOOL      Read config. from tooltypes (Shell).


              SCREEN
                    HEX       Address of client screen (Shell).
```

In addition, if you put ExtraInfo in your WBStartUp drawer, you should
add the tooltype "DONOTWAIT" so Workbench won't wait for ExtraInfo to
quit before continuing with its start up.

1.24   ExtraInfo: FILES Keyword

```
              FILES
=====

Type:      String (Multiple)
Default:   <none>
Shell:     FILES/M
Tooltype:  <not applicable>
```

You can tell ExtraInfo to display information for multiple files and
directories by specifying their names on the command line. ExtraInfo
will display only one at a time, but you can move from one to another
by either selecting the desired name from the
              Files menu
              , or using the

              Next/Prev
               gadgets in the window.

If you are launching ExtraInfo from the Workbench, use the standard
shift-selection procedure: click once on ExtraInfo, then, holding
either Shift key down, single click on the icons you want to examine,
double clicking on the last one.

If ExtraInfo isn't given any files to load, and
              NOPOPUP
               has not been
specified, it will open a file requester for you to make your
selection with. If you cancel that requester, ExtraInfo will quit.

1.25   ExtraInfo: NOPOPUP Keyword

```
            NOPOPUP
=======


Type:      Boolean
Default:   FALSE
Shell:     NP=NOPOPUP/S
Tooltype:  NOPOPUP={YES|NO|TRUE|FALSE}
```

If NOPOPUP is TRUE, and if the
              APPICON
                tooltype is also TRUE,
ExtraInfo won't open a file requester when started without any files
or directories as arguments. This allows you to put ExtraInfo in your
WBStartUp drawer, to be launched every time you start Workbench. Don't
forget to add the DONOTWAIT tooltype as well, in that case.

1.26 ExtraInfo: APPICON Keywords

```
APPICON
=======


Type:      Boolean
Default:   FALSE
Shell:     AI=APPICON/S
Tooltype:  APPICON={YES|NO|TRUE|FALSE}
```

Set this to TRUE to enable ExtraInfo's AppIcon. This icon will remain
on the Workbench screen as long as the program is running, and you can
drop icons on it to get ExtraInfo to display information for those
objects. If you double-click on the AppIcon, ExtraInfo will quit,
after asking for confirmation from you.

```
APPICONNAME
===========


Type:      String
Default:   ExtraInfo.appicon
Shell:     AN=APPICONNAME/K
Tooltype:  APPICONNAME=<filename>
```

You can specify the image to use for the AppIcon with this tooltype.
Select an existing icon, or create one with IconEdit and put its name
in this tooltype, along with the directory path. Omit the ".info"
ending.

Tip: if you put ExtraInfo in your WBStartUp drawer, don't put the
AppIcon there as well, because Workbench will try to launch the
AppIcon as a program.

```
APPICONX, APPICONY
==================
```

```
Type:      Integer
Default:   <no fixed position>
Shell:     AX=APPICONX/K/N   AY=APPICONY/K/N
Tooltype:  APPICONX=[0...]   APPICONY=[0...]
```

You can set the position of the AppIcon in the Workbench window using
these tooltypes. If you omit them, the position is "free", ie.
Workbench decides.

1.27 ExtraInfo: GETVERSION Keyword

```
           GETVERSION
==========

Type:      Boolean
Default:   FALSE
Shell:     GV=GETVERSION/S
Tooltype:  GETVERSION={YES|NO|TRUE|FALSE}
```

Set this tooltype to TRUE to make ExtraInfo try to find version ID
strings inside files automatically. See
                Version ID Strings
                 for more
information.

1.28 ExtraInfo: GETFILETYPE Keyword

```
           GETFILETYPE
===========

Type:      Boolean
Default:   FALSE
Shell:     GF=GETFILETYPE/S
Tooltype:  GETFILETYPE={YES|NO|TRUE|FALSE}
```

Set this tooltype to TRUE to make ExtraInfo try to determine file
types automatically. See
                Identifying File Types
                 for more information.

1.29 ExtraInfo: DEFICONDIR Keyword

```
           DEFICONDIR
==========

Type:      String
Default:   Env:Sys/
```

```
Shell:      DI=DEFICONDIR/K
Tooltype:   DEFICONDIR=<dirname>
```

ExtraInfo can use the WhatIs library to select a default icon for a
file depending on its
                filetype
                . WhatIs supplies only the icon
filename, however, and not its path. With this tooltype you can tell
ExtraInfo where you keep your default icons.

1.30 ExtraInfo: ICONEDITOR Keyword

```
                ICONEDITOR
==========

Type:       String
Default:    SYS:Tools/IconEdit
Shell:      IE=ICONEDITOR/K
Tooltype:   ICONEDITOR=<command>
```

With this tooltype you can specify the program that ExtraInfo should
launch when you select the
                Edit menu item
                . You should include the full
path to it if it is not in ExtraInfo's search path. The full pathname
of the current icon is appended to this command; if the icon editor
supports keywords on its command line, you can add them here, too. The
program is launched asynchronously, you do not have to use "Run".

The icon editor will load the icon as it exists on disk at the time:
this will not include any unsaved changes made with ExtraInfo.

Note that the version of IconEdit supplied by Commodore with AmigaOS
2.04 does not support naming the icon on the command line and is
therefore unsuitable for use with this facility.

1.31 ExtraInfo: GUIDENAME Keyword

```
GUIDENAME
=========

Type:       String
Default:    ExtraInfo.guide
Shell:      GN=GUIDENAME/K
Tooltype:   GUIDENAME=<filename>
```

If ExtraInfo.guide is not on AmigaGuide's search path, set this
tooltype to the pathname of this guide so that on-line help is
available.

1.32   ExtraInfo: LANGUAGE Keyword

```
LANGUAGE
========

Type:      String
Default:   <system default>
Shell:     LA=LANGUAGE/K
Tooltype:  LANGUAGE=<language>
```

ExtraInfo supports the locale library of AmigaOS 2.1 and above,
allowing it to display text and messages in your preferred language.
You would normally specify the language with the Locale Preferences
program; this tooltype allows you to override that setting if
necessary.

1.33   ExtraInfo: PUBSCREEN Keyword

```
PUBSCREEN
=========

Type:      String
Default:   <system default>
Shell:     PS=PUBSCREEN/K
Tooltype:  PUBSCREEN=<publicscreenname>
```

The name of the public screen that ExtraInfo should open its window
on. If omitted, ExtraInfo opens on the default public screen, which is
normally Workbench. Be aware that public screen names are
case-sensitive, ie. "MyScreen" is not the same as "MYSCREEN".

1.34   ExtraInfo: FONT Keywords

```
WINDOWFONT
==========

Type:      String
Default:   <screen default>
Shell:     WF=WINDOWFONT/K
Tooltype:  WINDOWFONT=<fontname.font/size>
```

ExtraInfo normally uses the default font of the screen it opens on. If
you wish to override this setting, specify the font with this
tooltype, using the following format: "example.font/12", where the 12
indicates the desired point size.

```
LISTFONT
========

Type:      String
Default:   <same font as WINDOWFONT>
```

```
Shell:     LF=LISTFONT/K
Tooltype:  LISTFONT=<fontname.font/size>
```

You can pick a particular font to use in the tooltypes list (and the
edit string gadget) with this tooltype. Specify the font using the
same format as for WINDOWFONT, above. If omitted, the same font as
the window is used.

1.35   ExtraInfo: MINWINSIZE Keyword

```
              MINWINSIZE

==========


Type:      Boolean
Default:   FALSE
Shell:     MW=MINWINSIZE/S
Tooltype:  MINWINSIZE={YES|NO|TRUE|FALSE}
```

If you set this tooltype to TRUE, ExtraInfo will always open its
window with the smallest possible size. Otherwise it remembers and
re-uses the size of the window when it was last closed.

See also:
              SAVEWINSIZE
              .

1.36   ExtraInfo: SAVEWINSIZE Keyword

```
              SAVEWINSIZE

===========


Type:      Boolean
Default:   FALSE
Shell:     SW=SAVEWINSIZE/S
Tooltype:  SAVEWINSIZE={YES|NO|TRUE|FALSE}
```

ExtraInfo normally opens its window centred under the mouse pointer
(exception: see
              CENTRESCREEN
). If, however, you would like the window
to open with a particular size and position each time, set the
SAVEWINSIZE tooltype to TRUE.

This will cause ExtraInfo to save the window co-ordinates to a small
file called "ExtraInfo.win" in the ENV: directory each time the
program quits. Every time you use ExtraInfo, it will read and re-use
this window definition.

Once you have positioned the window as you like it, quit ExtraInfo,
unset the SAVEWINSIZE tooltype, and copy the "ExtraInfo.win" file from
ENV: to ENVARC:. It will then be copied back to ENV: by the standard

Startup-Sequence each time you boot your Amiga.

However, if you examine an icon which has a large image, the window
will expand to fit it, regardless of any saved settings.

See also:
                  MINWINSIZE

1.37   ExtraInfo: CENTRESCREEN Keyword

                  CENTRESCREEN
============

Type: Boolean
Default: FALSE
Shell: CS=CENTRESCREEN/S
Tooltype: CENTRESCREEN={YES|NO|TRUE|FALSE}

ExtraInfo normally opens its window centred under the mouse pointer,
but will open it in the centre of the screen if this tooltype is TRUE.

If a window setting is saved in ENV:ExtraInfo.win, however, that will
override this tooltype.

See also:
                  SAVEWINSIZE

1.38   ExtraInfo: NOWARNCHANGE Keyword

NOWARNCHANGE
============

Type: Boolean
Default: FALSE
Shell: NW=NOWARNCHANGE/S
Tooltype: NOWARNCHANGE={YES|NO|TRUE|FALSE}

ExtraInfo normally issues a warning if you try to quit or load a new
object when the current one has been changed but not saved. By setting
this tooltype to TRUE, you can suppress this warning.

1.39   ExtraInfo: READICON Keyword

                  READICON
========

Type: Boolean
Default: FALSE

```
Shell:     RI=READICON/S
Tooltype:  <not applicable>
```

This tooltype can be useful if you configure other programs, such as
ToolManager, to launch ExtraInfo. These generally start programs as if
they were launched from a Shell, which makes it complicated or
impossible to specify options to configure ExtraInfo.

If READICON is set to TRUE, however, ExtraInfo ignores all other
keywords on the command line except for
                FILES
                 and
                SCREEN
                , and reads
the tooltypes in its program icon instead. This also lets you set up a
Shell alias along the lines of:

  Alias EI "SYS:Tools/ExtraInfo READICON []"

so you don't have to specify your preferred settings on the command
line all the time.

1.40   ExtraInfo: SCREEN Keyword

```
                SCREEN

======

Type:      Hexadecimal
Default:   <none>
Shell:     SCREEN/K
Tooltype:  <not applicable>
```

This keyword is only available from the Shell command line, and is
reserved for use by ExtraWBInfo. The argument is the hex address of
the (public or private) screen that ExtraInfo should appear on,
optionally preceeded by "$" or "0x". The SCREEN keyword overrides

                PUBSCREEN
                .

1.41   ExtraInfo: Bugs and Limitations

```
Bugs and Limitations
====================
```

ExtraInfo has been tested on these systems:

  o A2000/030, KS 2.04 (V37.175), WB 2.04 (V37.67), ECS 1MB Agnus,
    OCS Denise, 10MB Fast RAM, 1MB Chip RAM.

o A3000/25 KS 2.04 (37.175), WB 2.1 (V38.35), ECS, 10MB Fast RAM, 2MB Chip RAM.

o A1200, KS 3.0 (V39) WB 3.0 (V39), AGA, 2MB Fast RAM, 2MB Chip RAM.

Known bugs:

o When cutting or removing tooltypes using multiple selection, the entry left selected after the operation is not intuitive.

o Sometimes, when you save a snapshotted icon, its position changes in the Workbench drawer window.

Current limitations:

o You cannot replace a NewIcon image with a standard one, or change the standard image that is "inside" a NewIcon.

o Operation with non-icon files whose names end in ".info" is not supported.

o Due to a limitation of Workbench, operation with drawer icons for which no associated directory exists is only partially supported. You cannot get ExtraInfo to load them from the Workbench, or by dropping them on the ExtraInfo window. Shell-based invocation, and selecting them using a file requester (via the "Open" menuitem, or the "Image..." button on the Icon Page) does work, however.

o Icon images are not clipped, so a large icon may make the window too big to open on a small screen. In particular, the window only just fits on a 200-line (ie. NTSC) screen with a "reasonably" sized icon. Future versions of ExtraInfo may not support 200-line screens at all, sorry.

1.42 ExtraInfo: Future Development

                Future Development
==================

Possible improvements in no particular order:

o Some more catalogs (please do help!).

o Load/save (and copy/paste) IFF brushes for icon image.

o Configurable preset list of default tools for quick selection via a drop-down list on the Icon Info page.

o Notification on current icon - especially useful if icon editor is launched, icon is edited and saved again.

o Preserve contents of Files menu when loading new objects, up to

    some maximum number of items (20?).

  o Clip large icon images.

  o "Duplicate" button is redundant – use copy/paste. Replace button
     with something more useful.

  o Multiple selection via the keyboard.

  o Detect NewIcons even if newicon.library not available, hide image
    data tooltypes.

  o A way to specify a set of standard tooltypes (like CX_PRIORITY)
    using gadgets.

  o MultiUser: Set owner/group if user is permitted to do so.

  o MultiUser: Support for FIBB_SET_UID bit.

  o A separate Help menu with items for each major node.

  o Make current help asynchronous.

  o Make initial filereq (& Open filereq) accept multiple selections.

  o ARexx port. With all commands available via buttons, plus
    lock/unlock window, set/query tooltypes/deftool/stack/etc.

  o Support for 'H' (hold) protection flag.

  o Control over what happens when icon is dropped: requester.

  o Button on file page to find dir size.

  o Multiple window support, along with commodity option.

These are possible features I have pretty much ruled out:

  o Change icon highlight and type (too much code).
  o Fancy icon colour remapping options (too much code).
  o Add tooltypes from another icon (use cut & paste).
  o Sort tooltypes alphabetically (little functional value).
  o Option to add AppMenuItem (use ToolManager, ToolsDaemon, etc).

Please send bug reports or further suggestions to
             me
               .
Enforcer reports are particularly valuable as I have no MMU.

1.43 ExtraInfo: Version History

```
                    Version History
================
```

1.0 (9.5.95)

First release.

1.1 (21.5.95)

 - FIX: Enforcer hits on File Info page, reported by Lars Hecking.
 - FIX: No longer disables paste button when tooltypes list is empty.
 - FIX: Forgot to optimize, saves 1K.

1.2 (19.7.95)

 - NEW: AmigaOS3 WBInfo() support. Now includes ExtraWBInfo, by Simon
   Dick, allowing you to summon ExtraInfo using the Workbench
   "Information" menu item, and within other programs that support
   this interface.

 - NEW: NewIcons support. Load, replace and save NewIcons. Displays
   NewIcons correctly remapped for the screen. Can replace a standard
   icon with a NewIcon.

 - NEW: MultiUser filesystem support. Changes file protection bits
   through MultiUser, if available. Displays GroupID and UserID names.
   Checks user's access rights to the current object and enables or
   disables functions as appropriate.

 - NEW: Multiple selection of tooltypes for Toggle, Remove, Cut and
   Copy functions.

 - NEW: Multiple target files support. Specify multiple files from
   Workbench or Shell and select them using Next/Prev buttons or menu.

 - NEW: Image button on icon page, to replace icon image with that of
   either the default icon (as specified by WhatIs or the AmigaOS), or
   one chosen using a file requester.

 - NEW: More intelligent tooltypes Toggle function: replaces YES/NO,
   TRUE/FALSE and ON/OFF with the opposite value.

 - NEW: Menu item to launch user-configurable, external icon editor.

 - NEW: "Save As" menu option to save icon under another name.

 - NEW:
                READICON
                 keyword forces ExtraInfo to get its configuration
   from program icon tooltypes instead of Shell command line.

 - NEW: Support for AmigaOS3+ memory pools reduces memory
   fragmentation.

- NEW:

                CENTRESCREEN
                keyword to open window in the centre of the
  screen, provided no window definition is saved in ENV:.

- NEW: Checks tooltype length during load and paste, warns before
  truncating.

- NEW: Optional "Discard Changes?" warning.

- NEW: Warns before pasting large clipboard texts.

- NEW: Abbreviations added to shell template.

- NEW: File requesters now retain their last used directory, etc.

- NEW: Now sets protection bits of icon file to same as target except
  for pure, script, execute (always false) and read (always true).

- NEW: German and Italian catalogs.

- CHG: Changed KEEPWINSIZE to
                SAVEWINSIZE
                of opposite logic. If
  SAVEWINSIZE is set, window size and position is written to ENV:
  each time ExtraInfo is quit.

- FIX: ASL File requesters now open with a more reasonable height.

- FIX: No longer checks manually for guide when Help is requested.
  This lets you put the guide anywhere in AmigaGuide's path without
  having to set the
                GUIDENAME
                tooltype.

- FIX: Finally enables/disables tooltypes paste button correctly.

- FIX: The
                LANGUAGE
                keyword had no effect previously.

1.3 (16.8.95)

- FIX: Incorrect memory deallocation was causing guru on exit (WB3).

- FIX: Bug in installer script was putting ExtraWBInfo icon in wrong
      directory.

1.44 ExtraInfo: Credits

Credits
=======

Thanks go to:

Simon Dick for ExtraWBInfo, beta-testing and MultiUser info.
Michael Barsoom for beta-testing and suggestions.
Lars Hecking for the (sometimes large :-) Enforcer hit reports, and
 for the German translation.
Alessandro Basso for the Italian translation.
Jan van den Baard for bgui.library and excellent support for it.
Sylvain Rougier and Pierre Carrette for the WhatIs.library.
Nicola Salmoria for help with the NewIcons system.

This program was developed with the following equipment:

Amiga B2000rev6
Kickstart V37.175, Workbench V37.67
ECS 1MB Agnus, OCS Denise
GVP G-Force EC030/882 @ 40MHz
10MB Fast RAM, 1MB Chip RAM
340MB SCSI HD (Fujitsu 2682S)
150MB Tapestreamer (TEAC MT-2ST/N50)
Philips CM8833 monitor (flicker, flicker...)

Software:

CygnusEdPro (Bruce Dawson, CygnusSoft)
SAS/C   (The SAS Institute)
DevPac   (HiSoft)
FlexCat   (Jochen Wiedman)
BadLinks   (Roger Nedel)
CSh   (Urban Müller and Andreas M. Kirchwitz)
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