

OHAC

Jody Tierney

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COLLABORATORS

	<i>TITLE :</i> OHAC		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

OHAC

1.1 OHAC Documentation

```
OHAC
(Oh Heck, Another Calendar!)
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Background
  Why? Why?!!

Features
  It's waterproof up to 100 meters!

Requirements
  An '060, gills, & an advanced degree in aeronautics? No.

Installation
  What goes where.

Startup Options
  Optional options.

The GUI
  "Oooh, what does this buton do?"

The Menus
  "Yo, pull this down!"

To Do
  No program is ever really "finished".

History
  "Four score and seven tooltypes ago..."

The Source Code
  "Gentlemen, start your compilers!"
```

Legalities

It's PD, and nothing's my fault.

Credits

Many thanks to...

The Author

Hey, that's me!

1.2 OHAC: No! Not ANOTHER Calendar! Please, No!!!

Why?

Once upon a time, our
local user group
meeting needed to be rescheduled,
and an e-mail of possible alternate dates was circulated. Recieving this
mail, I was faced with several options:

a

) Walk across the room & flip through a physical calendar.

b

) Open the Time preferences program.

c

) Download one of the 374 calendar programs already in existence.

d

) Reply with the usual, "Any of these days are fine with me."

(One of the many benefits of having no life whatsoever).

e

) Create a calendar program of my very own.

Option "e" was, of course, the obvious, most desirable course of action.

Features:

- o Font-sensitive, resizable, localized, GadTools GUI.
- o Select a date, and the number of days from/since today will be reported.
- o "Dates" menu with user-definable dates.
- o Calendar ranges from Jan. 1, 1978 to Dec. 31, 2113.
- o Can open on any public screen, and jump from screen to screen.
- o AmigaGuide docs that are more fun than a severe beating!
- o It's free! And the source code (in Amiga E) is included.

1.3 Let's Go Jogging!

Choice #1:

"Walk across the room & flip through a physical calendar."

What are you, some kind of fitness nut?

1.4 Why Do I Need This Lousy Program?

Choice #2:

"Open the Time preferences program."

Yeah, that'll work, but it's kind of dull and uninspired. Are you an accountant, by chance?

1.5 Decisions, Decisions...

Choice #3:

"Download one of the 374 calendar programs already in existence."

Why? I didn't write any of them. :-)

1.6 Get A Life? Error: Unrecognized Command.

Choice #4:

"Reply with the usual, 'Any of these days are fine with me.'"

Gabba gabba, one of us!

1.7 Hey Gang, Let's Put On A Show!

Choice #5:

"Create a calendar program of my very own."

If you're not already a programmer, you should be.

1.8 OHAC: Free Plug Dept.

Fascinating Facts About:

ACE - Amiga Computer Enthusiasts of Elkhart, Indiana (USA)

- o ACE is Elkhart Indiana's largest, finest, (and only) Amiga users group!
 - o It meets at 11:30 am (usually) on the second Saturday of each month (seven
-

times out of ten).

- o Everyone is welcome to attend (Even Bill Gates? Well... why not? If he could be turned from the Dark Side he could become a powerful ally...)!
 - (Plenty of synonyms, though...)
- o No dues, cover-charges, or membership fees!
- o Learn the secret handshake (so secret even we don't know it)!
- o ACE is an official member of the Amiga User Group Network (UGN).
- o Visit the official ACE Web pages (in color!) at:
<http://home.earthlink.net/~gregdonner/ace/ace.html>

1.9 OHAC: Requirements

Required:

- An Amiga with Workbench 2.0 or above.
- Workbench 2.1 or above is required for localization (locale.library v38).
- calendar.gadget (included).

1.10 OHAC: Installation

Installation:

- Copy the calendar.gadget (OHAC/classes/gadgets) to somewhere in your LIBS: path. "SYS:Classes/Gadgets/" is the usual location. The supplied calendar.gadget is v42.1.
- OHAC itself may be placed anywhere (within reason).

1.11 OHAC: If You Start Me Up...

Startup Options:

OHAC accepts the following keywords as tooltypes or CLI arguments. All are optional.

Keyword	CLI Shortcut	Argument	Default Setting
LEFTEDGE	X	-1 - 65535	-1 - Centered.
TOPEdge	Y	-1 - 65535	-1 - Centered.
WIDTH	W	0 - 65535	0 (minimum width).
HEIGHT	H	0 - 65535	0 (minimum height).

PUBSCREEN			
PS	Screen name.	Default public screen.	
FONT			
F	Font name.	Default screen font.	
FONTSIZE			
FS	Point size.	Default screen font size.	
ICONIFY			
I	None.	OHAC's window opens when run.	
ICONIFIEDIMAGE			
IMG	Icon name.	Use OHAC's icon.	
SETTODAY			
SD	dd.mm.yyyy	Current date.	
SHOWDATE			
SD	dd.mm.yyyy	Current date.	
DATEMENU			
DM	dd.mm.yyyy	None.	

1.12 OHAC: Window Position & Dimension Keywords

Window Position Keywords:

X, LEFTEDGE <-1 - 65535>
Y, TOPEdge <-1 - 65535>

These two keywords set the initial position OHAC's window will open at.

Default: -1 - Centered.

Window Dimension Keywords:

W, WIDTH <0 - 65535>
H, HEIGHT <0 - 65535>

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

Default: 0 (Smallest possible width/height).

1.13 OHAC: Public Screen Keyword

Public Screen Keyword:

PS, PUBSCREEN <screen name>

The public screen OHAC should open on.

Default: Default public screen.

1.14 OHAC: Font Keywords

Font Keywords:

F, FONT

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

FS, FONTSIZE <point size>

What size the font specified by FONT should be.

Notes:

- o In order to use a custom font, both FONT and FONTSIZE must be specified.
- o The font may be changed after startup with the
Change Font
menu item.

Default: Default screen font.

1.15 OHAC: Iconify Keywords

Iconify Keyword:

I, ICONIFY

This keyword tells OHAC not to open its window when run; rather an icon will appear on the Workbench screen. Double-clicking this icon will open OHAC's window.

Note: OHAC may be iconified at any time using the
Iconify
menu item.

Default: OHAC is not iconified at startup.

IMG, ICONIFIEDIMAGE <icon name>

When OHAC is iconified, it will use the image of the icon specified by this keyword. It isn't necessary to supply the ".info" extension.

Default: OHAC's icon's image is used, or the default Tool image if no icon exists for OHAC.

1.16 OHAC: Date Keywords

Set Today Keyword:

ST, SETTODAY <dd.mm.yyyy>

OHAC will use this date as the current date, i.e. "today". All days-since/days-until reports will be measured from this date.

Default: The current date.

Show Date Keyword:

SD, SHOWDATE <dd.mm.yyyy text>

OHAC will display this date when first run. It will also become the second item in the
Dates
menu.

Default: The current date.

Date Menu Keyword:

DM, DATEMENU <dd.mm.yyyy text>

This keyword adds dates to the
Dates
menu.

DATEMENU Usage from the CLI:

When running OHAC from the CLI give one "DATEMENU" keyword and then the dates after it. Use quotation marks if any dates contain spaces.

Example: DATEMENU "25.12.???? - Christmas" 01.01.2000 13.12.????

DATEMENU Usage as a Tooltype:

Supply one date after each "DATEMENU", and use multiple "DATEMENU" keywords. Quotation marks are not necessary.

Example: DATEMENU=25.12.???? - Christmas

```
DATEMENU=01.01.2000
DATEMENU=13.12.????
```

Date Format:

OHAC expects dates to be entered as: dd.mm.yyyy

A two digit day (00 - 31),
 a separator character (any character except "\$", "%", "'", or a number),
 a two digit month (01 - 12),
 a separator character,
 a four digit year (1978 - 2113).

Extra text is ignored, but will appear in the Dates menu.

If non-numeric characters are entered in place of a day, month, or year
 OHAC will use the current day, month, or year.

Examples:

Date:	OHAC will display:
25.12.xxxx - Christmas	Dec. 25 of the current year.
01.01.2000	Jan. 1, 2000.
??/??/1978	The current month and day in the year 1978.
xx-xx-xxxx	The current date.
25/9/1990	Not what you want; the month must be 2 digits.
25 09 1990	Sept. 25, 1990.

1.17 OHAC: The GUI

OHAC's Main (and only) Window:

OHAC's GUI bears more than a passing resemblance to the following:

```

|o| OHAC v1.3                               |' |[]| | | | |
|---|---|---|---|---|---|---|---|
|@|  April                                ||1999 ||<||>|
-----|-----|-----|-----|-----|
Sun  Mon  Tue  Wed  Thu  Fri  Sat
    4    5    6    7    8    9   10
   11   12   13   14   15   16   17
   18   19   20   21   22   23   24
   25   26   27   28   29   30

-----|-----|-----|-----|-----|
|43 days ago.                                ||Today|
-----|-----|-----|-----|-----|
                                           /|

```

The year gadget (upper right) accepts years from 1978 to 2113, and the buttons beside it decrement/increment the year by 1 (click), 5 (Shift-click), or 10 (Alt-click).

The text display gadget in the bottom left reports the number of days away from today, or the word "Today."

The "Today" button (bottom right) resets the month, year, and calendar gadgets to today's (hence the name) date.

SHIFT-Today (clicking on the "Today" button while either Shift key is depressed) will convince OHAC that "today" is the currently displayed date. Thus all days-since/days-until reports will be measured from this date.

ALT-Today will reset OHAC to the current system date.

1.18 OHAC: The Menu

OHAC's Menu:

```
Project          Dates

Next Pubscreen [A]J

Set Today

Iconify          [A]I

Reset Today

Change Font...
~~~~~

Snapshot

Today
~~~~~
25.12.???? - Christmas

About...        [A]?

01.01.???? - New Years
~~~~~
01.01.2000 - Y2K

Quit            [A]Q
```

1.19 OHAC Menu: Project - Next Pubscreen

Menu:

```
Project
Next Pubscreen A J
:
```

Next Pubscreen

OHAC will close it's window and reopen on the next public screen.

Menu Shortcut: <Right Amiga> J

1.20 OHAC Menus: Project - Iconify

Menus:

```
Project
  :
Iconify      A I
  :
```

Iconify

OHAC will close it's window and open an icon on the Workbench screen. Double-click on this icon to reopen OHAC's window.

Menu Shortcut: <Right Amiga> I

Notes:

- o OHAC may be instructed to start in an iconified state by using the

```
ICONIFY
  startup option.
```

- o The image OHAC uses for it's iconified state may be set with the

```
ICONIFIEDIMAGE
  startup option.
```

1.21 OHAC Menus: Project - Change Font

Menus:

```
Project
  :
Change Font...
  :
```

Change Font

A font requester will open, allowing you to select a new font.

Notes:

- o By default, OHAC will use the screen's default font.

- o The

```
FONT
  and
FONTSIZE
```

startup options may be used to set the font OHAC initially uses.

1.22 OHAC Menus: Project - Snapshot

Menus:

```
Project
      :
Snapshot
      :
```

Snapshot

Saves the window's current position and dimensions (the LEFTEDGE, TOPEDGE, WIDTH, and HEIGHT keywords) to OHAC's icon. If OHAC doesn't have an icon one will be created.

1.23 OHAC Menus: Project - About

Menus:

```
Project
      :
About...
      :
```

About

Opens a requester displaying some information about OHAC.

1.24 OHAC Menus: Project - Quit

Menus:

```
Project
      :
Quit           A Q
```

Quit

Hmmm... I forget what this one does.

1.25 OHAC Menus: Dates - Set/Reset Today

Menus:

```
Dates
      :
Set Today
Reset Today
      :
```

Set Today

OHAC will now use the currently displayed date as "today". Thus, all days-since/days-until reports will be measured from this date. The Today button will now reset the calendar display to this date.

Reset Today

OHAC will read the system's date, and use it as "today". Again, this affects the days-since/days-until reporting and what date the Today button displays.

1.26 OHAC Menus: The Dates Menu

Menus:

```
Dates
      :
Today
25.12.???? - Christmas
01.01.???? - New Years
01.01.2000 - Y2K
```

Dates

Items in the Dates menu change the date displayed in OHAC's window.

The date format is <dd.mm.yyyy>. Any text after the date is ignored. If a date contains non-numeric data, then the current calendar setting is substituted. For example, "25.12.???" would use the year currently in the year gadget.

The items in this menu are user definable. The first item is always "Today", followed by the
 SHOWDATE
 and
 DATEMENU
 data.

1.27 OHAC: Days of Future Past

Future Plans:

I never intended to take OHAC very far, but, like a bag of potato chips or a leaky can of industrial adhesive, it's been hard to put down. I'm fairly satisfied with this version, but still...

- o The Dates menu could use an "Add" option...
- o ...And then it'd be nice to save those dates.
- o A clock? Another virtually untapped area (just like Tetris clones and, um, calendars).
- o That clock would need multiple alarms, of course, that could be enabled and disabled by checkmark menu items.
- o What if you could click on a date and bring up a separate window with some notes?
- o What if you could click on a date and reset the time-space continuum? :-)
- o OHAC's window could be an AppWindow that displays the last-modified date of any file(s) dropped on it.
- o What if the "Next PubScreen" menu item was replaced by a list of available screens?

OHAC is public domain, and the source is included, so others (maybe you?) can do all sorts of strange and wonderful things with it (send me a copy; I like strange and wonderful things).

Set OHAC to a future date to see what improvements have been made. :-)

1.28 OHAC: Binary Archaeology

History:

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

1.3

- The Reset button has been renamed to "Today".
- The Today button now has three functions:
 1. Today - Jumps to the current date.
 2. SHIFT Today - Sets the current date to the date displayed.
 3. ALT Today - Resets the current date to the system date.
- "Set Today" and "Reset Today" menu items. These behave as SHIFT Today and ALT Today, respectively.
- New startup option: SETTODAY.
- The year increment/decrement gadgets can now in/decrease the year by 5 (SHIFT) or 10 (ALT).
- "Today" is now displayed with a period ("Today.") in the days-since/until text gadget.

Version 1.2a is the first full public release, although v1.1 and v1.2 made

appearances in May and June at our
local user group
. If you're really
interested in the evolution of OHAC then have a look at the comments at the
top of the source code (source/OHAC.e).

1.29 OHAC Source: This Compiles?!

The Source Code

OHAC's source code is yours to do with as you please.

The support modules in the "other/" directory are documented (somewhat) in
the comment block at the top of the source. As of June 1999, these are the
latest versions. I update them every now and then, so if you find them useful
feel free to check with
me
to see if they've mutated.

EasyGUI-JJT - Attack of the Mutant EasyGUI

EasyGUI-JJT has three differences from the official EasyGUI:

- o EG_WIDTH and EG_HEIGHT tags.
- o The guihandle object has a new, public field: .menutrigger.
Action functions can check this field, and if it's non-null it will be a
pointer to the menu item (PTR TO menuitem) that called the action
function.

All changes are marked in the EasyGUI-JJT source, and can be found by
searching for "JJT".

I don't like having to include a non-standard EasyGUI, but I don't see any
alternative. There are work-arounds for EG_WIDTH and EG_HEIGHT (create your
GUI with guinitA(), then call sizewin()), but OHAC's datemenu() procedure
(which handles the user-defined dates in the "Dates" menu) needs to access the
menu item that triggered it.

1.30 Legal Issues

Public Domain:

OHAC and its source code are public domain. Enjoy.

Disclaimer:

NO WARRANTY. USE AT YOUR OWN RISK. I take NO RESPONSIBILITY for this
program (unless you think it's kinda cool :-)), or for any damages, problems,
glitches, crashes, numbness, headaches, etc. resulting from its use or misuse.

1.31 Credit Where Credit Is Due Dept.

Many thanks to the following:

- God - Life, the universe, and everything.
- My parents.
- Wouter van Oortmerssen - Amiga E, the best programming language I've ever used.
- Wouter and Jason Hulance - EasyGUI - Allowed me to do 10 hours of GUI programming in 10 minutes. :-)
- Matt Dillon/Aaron Digulla - DME/XDME.
- Gerald Schnabel - German translation.
<Gerri@studbox.uni-stuttgart.de>
- My cat - Various programming suggestions and solutions.
- You - For giving OHAC a try! (And for reading the docs!)

1.32 Me

Contacting Me:

Comments, questions, bug reports, gifts, money, or pleasant thoughts may 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.

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