

Recall

COLLABORATORS

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

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Chapter 1

Recall

1.1 Documentation for Recall

```
    This document describes the usage of 'RecallPrefs' and ' ↔
    Recall'
- the ultimate utility for the absent-minded.
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Description
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About and requirements
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Copyrights
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Installing
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Running the programs
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Using RecallPrefs
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Using Recall
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Source
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Afterword
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Release-note
```

```
    This program is Public Domain!
```

1.2 About and about we go...

NAME: Recall/RecallPrefs
VERSION: V1.3
PROGRAMMER: Ketil Hunn, Molde 1993, Norway.
USING: SAS/C V6.2

REQUIREMENTS: Any Amiga with WB2.0+
Reqtools V38.1022+ (included)

SOURCE: The included source can be compiled with SAS/C V6.0+
(not included!)

GENERAL: This package was developed on an A3000 25MHz with 6Mb RAM,
1950 multisync monitor, 100Mb harddrive, 3 drives and a
Nec P20-printer.

The Graphical User Interface (GUI) was generated with
GadToolsBox V2.0b - Copyrighted 1992-93 by Jaba Development.

This program also uses ReqTools.library which is a copyright
of Nico François.

1.3 Description

Do you keep forgetting about birthdays, anniversaries and other important events?

Well, there are plenty of public domain products on the market that will prevent this from happening.

But, do you also want to

- keep track of the remaining days to important events?
- keep track of the days since important events happened?
- autostart certain programs depending on the date and time?
- be reminded every # day (eg. every 14th day) ?
- be reminded # days in advance or after the event
- be reminded with requesters, alerts or practically anything that can be displayed on a Amiga-monitor?
- display unlimited lines of text in the same requester/alert (only limited by the screen's resolution)
- keep a simple database of the birthdays of family and friends?
- let your Amiga keep track of how old people are by insterting the date of birth in the middle of the string where you want to display the age? (E.g. 'Adam is {080570} years old' -> 'Adam is 23 years old'.)
- make advanced events which are displayed for example between 21:00 and 00:00 every 3rd day the first 7 days of every 2nd month the next 4 years?
- combine all of the attributes mentioned above in the same event?
- enter these events in an easy-to-use environment and without the need of programming-knowledge, just by entering the desired text and pressing a few buttons?

you will find this program extremely useful, because Recall will do exactly that for you! It is an easy-to-use, intuition-based utility for the absent-minded!

1.4 Copyrights

Recall and RecallPrefs is freely redistributable. The source is included, and you are permitted to modify it for personal use, but any modifications made must NOT be distributed. If you have made changes you think others may find useful, send them to me and I may include them in future versions.

Think twice before you:

- * SPREAD or DELETE parts of this program. Some people actually read the docs (you are, at the moment!) and others might want to study the source! All of the following files should be in the archive:

InstallMe!	: Installer-script for harddrive-users.
InstallMe!.info	: Icon, so the doc may be run from WB
RecallPrefs	: Preference-program
RecallPrefs.info	: An ugly icon
Recall	: Main program
Recall.info	: Yet another ugly icon
Recall.guide	: Documentation in the AmigaGuide-format
Recall.guide.info	: Icon, so the doc may be read from WB
Recall.prefs	: An example-project
Source (dir)	: All the sources, ready to be compiled!

- * CRUNCH this program and then spreads it. Some decrunchers use a lot of memory and not all of the endusers have all that memory available! Most of the Amiga-owners dislike colorcycling pointers and screens, and not all crunchers have available decrunchers, so the user may not be able to decrunch the program if she/he wants to!
- * SELL or INCLUDE this in a commercial package! This program is dedicated to the Amiga society and is placed in the Public Domain! If you charge more than a reasonable copy fee for this package, people are sure to find out about you sooner or later, and that will certainly be the end for you in the Amiga-scene!
- * BUY this program. You have been swindled! If you actually read this text, the seller must be pretty dumb not removing this text before selling it to you (he probably assumes you're just another lamer that can't read!).
- * USE this program. In spite of several test, no warranty is made that there's no more bugs in this package. You use this program at your own risks! I will not under any circumstances be liable for any damage, direct or indirect, resulting of the use of any programs in this package.
- * READ this document (I guess this should have been stated much earlier...) I will not be liable for any damage this document may have caused you; english is not my native language and I guess this document is full of misspellings and misunderstandings. You can either live with it and keep on reading, run this through a spellchecker or stop reading. The program is quite easy to use and need no explanations.
- * LIKE this program. You may want to send me a postcard if you do, just telling me how much you like it. Really, I wouldn't mind that at all, but it is no obligation. You may also drop me a note on the internet. The address will be at the end of this document.

1.5 Installing

Just doubleclick on the ?install-icon, ?and ?the program will install itself automatically. ?'RecallPrefs' ?will ??be ??copied ??to ?'SYS:Prefs'. 'Recall' will be copied will be copied to 'SYS:WBStartup', and the .prefs-files will be copied to 'ENVARC:'.

The script needs Commodore's 'Amiga Application Installation Utility' (Installer) in order to run. This is not included in this package because it is copyrighted to Commodore. This utility is shipped with WB2.1 and higher, but there is however a free version available from Commodore that works fine under both 1.3 and 2.0.

If not available, please copy the program to their corresponding drawers (as stated above).

1.6 Source and comments

The source code is included and can be compiled with SAS/C V6.0 or later. I am sure a lot of the code could be implemented in a better way and bla. bla., but you must keep in mind that this is the very first executable program I have ever produced in C, and this package was produced with one purpose in mind only: learning to program in C (you may, by taking a quick glance at the source, argue that this goal has not yet been achieved, but I'm still learning, and hopefully the forthcoming versions will be faster and better programmed). I have unfortunately little comments in my sources (read: NONE), most because I understand the source myself, but also because I think comments destroy the 'look' of the source and make it appear complexer than it actually is. I will however put them there, if anyone are too upset about the thing and keep nagging me about it...

1.7 Running the programs

Both programs may be run ?from ?Shell ?or ?by doubleclicking on their icons.

If Recall is run with no parameters it will automatically look for the project 'ENVARC:Recall.prefs'. ?Any ?parameters ?will ?override this default project. 'Recall test.script' will run will tell Recall to open the script 'test.script' instead of 'ENVARC:Recall.prefs'.

1.8 Using RecallPrefs

This is where all the work is done and where the project is set up ←

The program is quite easy to use and only a brief explanation will be given here:

Eventgadgets

Textgadgets

Setting date and time of an event

Selecting the type of event

Selecting how often the event will be displayed

Counting the days or years

Using the projectmenu

Using the editmenu

Using the settingsmenu

1.9 Using the eventgadgets

Add

Adds an event to the listview. The user may now enter the name of the event in the listview's stringgadget.

Copy

Copies the selected event and selects the destination as current event.

Delete

Deletes the selected event. All attributes of the event will also be deleted. If the project has been ?previously ?saved, ?the deleted event may be restored by selecting

Edit->Last saved

or

Edit->Restore

from the menu.

Up

Moves the selected event up one position.

Down

Moves the selected event down one position.

Top

Moves the selected event to the beginning of the list.

Bottom

Moves the selected event to the end of the list.

Purge

Removes all expired events from the list. This function has been implemented so user doesn't have to go through the entire project looking for events that is no longer needed. A requester will ask the user to verify the choice, and if the user selects OK, all expired events will be removed.

Sort

Sorts all events either by the event's
 name or date
 . This can be set from
 the menu
 Settings->Sort by
 .

1.10 Setting date and time of an event

Date

Use this stringgadget to enter the date of the event. The format is currently DDMMYY. All three components can be replaced by '*' or '#?' to indicate that the component is of no importance. For example will '07**93' indicate an event displayed on the 7th of every month during 1993.

To make the program as small as possible, I have not implemented any date-checking-routine. Entering '58**93' into the datestring will produce a 'non-existing' event, since 58 will always be greater than 31. The date will never reach this value...

A very lazy user will soon discover that it is not necessary to enter the complete date into the string. If the user is only interested in the day of the month, he/she would normally enter '07***', but '07' will work just fine. NOTE! however, that '07**93' cannot be entered short as '0793'.

An empty datestring indicates that the event will always be shown.

Finetuning the date

Often the user wants to display the event before or after a specific date, and this can be done easily with the cyclebutton to the right of the datestring.

Exact: will display the event ONLY at the given date. If the is not turned on that day, you will never see the event!

Before: will display the event BEFORE the given date. Entering '07**93' would result in an event that would be displayed the first 6 days every month during 1993.

After: will display the event AFTER the given date. Entering '070693' would result in an event that would be displayed every day after the specified date.

Even more finetuning of the date

When selecting 'Before' or 'After', two more gadgets become available:

Days will allow the user to set the interval of days, and the event will only be displayed during that interval. Let's say the date is set to '07**93', days set to value '2' and the cyclebutton selected is 'Before' - then the date will only be displayed on the 5th and 6th every month during 1993, in other words two days before the 7th day of that month.

Repeat every will allow the user to set the interval of repeating days. If for example the field contains the number '14', the event will be shown every 14th day before/after the specified date.

Time

Use this stringgadget to enter the time of the event. The time must be given in the format HH:MM. NOTICE the colon between hour and minute! Either components can be replaced by '**'. An empty timestring indicates that Recall doesn't have to bother checking the time.

As stated above, the user may select to show the event at the exact time, before or after.

1.11 Using the textgadgets

Add

Adds a text to the event. The text may contain a calculation field. The format is currently {DDMMYY} and MUST be exactly in that format! Before displaying the event, Recall first searches all strings of the event and replaces such calculation fields with the result of the calculation. The calculation-method is set by selecting the Count-cyclebutton.

Counting years:

If the text of the event is 'Adam is {080570} and Dick is {310165} years old today', it will be displayed as (assuming the year is 1993): 'Adam is 23 and Dick 28 years old today'.

Counting days:

Text containing '{020693} days to my exam in Discrete Mathematics' will for example be displayed as '4 days to my exam in Discrete Mathematics'.

Delete

Deletes the selected text.

Up

Moves the selected text up one position.

Down

Moves the selected text down one position.

1.12 Selecting the type of event

This cyclegadget selects the type of the event.

Requester All texts will be shown using a standard reqtools-requester with an OK-button. Selecting OK will tell Recall to proceed to the next event.

The requester may be centred on the screen or follow the mousepointer. This option is set by selecting the menu

Settings->Centre Requesters

. The maximum number of lines which may be displayed is only limited by the screens resolution and font. The requester will automatically adjust to the currently selected font.

Alert All texts will be shown using a standard RECOVERY ALERT. The alert will be opened as a 640*200 on a NTSC-machine or 640*256 on a PAL-machine. The font opened will always be Topaz8. The frame of the alert will automatically adjust to fit the number of lines shown and all lines will be centred. Pressing either left or right mousebutton will continue.

Execute All texts will be run as if they were typed from Shell. If the requested program does not exist the system will pop up a shell-window to tell you so... If several programs are requested, they will be run after each other in priority from top to bottom.

Running larger batch-programs can be done easily by entering 'execute <filename>'.

Recall also accepts remarks and 'execute <filename> ; remark' will work without problems.

1.13 Selecting how often the event will be displayed

The 'Show'-cyclegadget sets the frequency of the event. The user may select between two methods:

Always The event will be shown every time Recall is run.

Once a day The event will only be run the first time Recall is run that day, i.e. only once a day.

1.14 Counting days or years

If the text of the event contains any calculation fields, these fields will be replaced by the result of the calculation. ↔

Selecting **Count days** will return the number of days between the current date and the date of the event.

Selecting **Count years** will return the number of years between the current date and the date of the event.

See also

Adding text to an event

1.15 Using the Projectmenu

New

Selecting this item will reset the list of events and enabling you to start from scratch designing your new events.

Open...

Brings up a filerequester and lets the user select a new project to be loaded. The new project will replace the current project.

Remember to save you changes...

Merge...

Brings up a filerequester and lets the user select a project to be merged with the current project. The merged project will appear at the end of the current project.

Save as...

Lets the user save the project to a different name.

Test project

Runs the current project. Recall must be located in the current directory or c:.

About

A lot of very exiting information is listed here. Try it out immediately!

Quit

Terminates the program. All edited events will be lost.

Remember to save your changes...

Other menus:

Edit
and
Settings

1.16 Using the Editmenu

Last saved

Restores the last saved project to memory. All edited events will be lost!

Other menus:

Project
and
Settings

1.17 Using the Settingsmenu

Centre requesters

When checked Recall centres its requesters on the screen.

Sort by

Lets the user select the sort-criteria used by the
sort-gadget

.

Currently two modes exists: Name and date.

Other menus:

Project
and
Edit

1.18 Using Recall

This is the main program. If started without any argument, the
program will ←

look automatically look for the project 'ENVARC:Recall.prefs'. Depending on
the display-type chosen in the preference-program, the event will be shown on
the screen in either three ways

Requester
,
Alert
or
Run program

1.19 Known bugs and other strange occurrences

Recall:

- * When running Recall from the WBStartup-drawer, some programs seem to cause
an out of memory-guru. This is not a bug in Recall! I have only
discovered this error while running ToolManager from WBStartup and
Maxiplan V4.09 (started as an event within Recall) while running under
WB3.0 (kickstart 39.105, workbench 39.29). Other programs might cause
similar problems. The solution is however quite simple; run 'Wait 1' just
before Maxiplan and the program will work just fine.
- * When testing a project from Recallprefs the program first run the project
and THEN states that 'Recall' was not found and returns a returncode.
This error ?occurred ?just ?before ?releasing ?V1.3 ?and ?has never
occurred in the
earlier versions although I haven't touched the test-function since
V1.0
Running Recall from Shell works just fine... (Aaaaaaarrrgghhhhhh!!!!)
- * Counting number of days does not always come out right, especially
when the number of days exceeds 365...

RecallPrefs:

- * The settings-menu is not updated when loading a project. (Is there an easy way of updating checked values in a menu? - let me know...)

See also

Troubleshooting

1.20 Troubleshooting

The event does not show even if the date and time is set right

- * Try setting 'Show' to 'Always' and try again. The event might have been run earlier that day...

See also

Known bugs

1.21 Things to do in the future

- * More CalcFields:
 - {date} -> include the current date.
 - {time} -> include the current time.
 - {string1|string2} -> Recall will use the first string whenever the last calculated field was greater than 1. If not Recall will use the second string. Great for usage when calculating the remaining days to an event:
'{020693} {days|day} left to my exam!'
Will be displayed as either (depending on the date):
'2 days left to my exam'/'1 day left to my exam'.
 - * Count Years/Days should be disabled when the text don't contain any CalcFields. Could take some time checking, though...
 - * Create Icons with the project. Not necessary, but since all other prefs-programs have this option...
 - * A 'Delete when expired' checkbox-gadget to delete the event's date has expired.
 - * A more intuition-based method of selecting the date and time of an event. A window should pop up and allow the user to select from a calendar (the look and feel of Commodore's Time-prefs).
 - * Ability to print the project.
 - * Icon-tooltypes.
 - * Ability to start programs in 'Workbench-mode'.
 - * New option in the settings-menu: Flash screen. When checked all requesters will flash screen and beep before displaying...
 - * Cancel-button in requesters. Selecting Cancel will tell Recall not to
-

nag you about that event for the rest of the day.

1.22 Versions

The Recall version follows the notation <version>.<revision> (DD. ←
MM.YY),
meaning that V1.10 is greater than V1.1. The current version can be printed
out using 'Version full Recall' or
Project->About
from RecallPrefs.

24.May.93 V1.0: First released version.
25.May.93 V1.1: RecallPrefs used to crash when it loaded an old project and
the user selected 'Use'. Now fixed.
29.May.93 V1.2: RecallPrefs now tries to open its window using the current
font set by the user. If this fails (usually when the
window becomes too big for the screen), it settles for the
standard Topaz8-font.
RecallPrefs now uses NewLook-style in menus.
04.June.93 V1.3: Recall now only updates the project when it's absolutely
necessary. This saves a lot of disk-access.
Fixed a bug in the compare date & time header file.
Fixed a bug in the purge-function which removed events with
empty dates...
Updating the attributes of the event is now speeded up.
RecallPrefs disables the corresponding (Exact/Before/After)-
cyclebutton if Datestring or Timestring are empty.
Made more compliant with Commodore's Style Guide.

1.23 Afterword

Send bug-reports, comments, suggestions, postcards etc. to:

Between 15th of august and 5th of June I will be available at the
following
address:

Ketil Hunn
Fabrikkveien 4-8 / Leil 107C
N-6400 Molde
NORWAY

or by e-mail:
hunn@dholmolde.no

In the summer time however, I will O N L Y be available at the following
address and only by ordinary mail:

Ketil Hunn
Nabbetorpveien 35B
N-1632 Gamle Fredrikstad
NORWAY

no e-mail

Please check 'Things to do in the future', 'Known bugs' and 'Troubleshooting' before you report any bugs!

Enjoy!

Ketil Hunn
Molde, May 1993

1.24 Small release-note

As you may see, by taking a quick glance at the bugs-report, this ↔
version
contains several bugs that may seem easy to fix. The reason why this
version is rushed, is that I am going away for the summer and at my
summerhouse I do not have the ability to communicate or use Internet.
If I had not released this version now, it would not have been made
available until mid-august... I simply ran out of time before the
summer-holiday... The bugs are however only minor ones, and I think you
can live with it...

If any questions, I will be available at my
summer-address

.

Have fun...

Ketil Hunn, 4th of June 1993, Molde.
