Recall

COLLABORATORS			
	TITLE : Recall		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		March 3, 2023	

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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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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                        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 date-
string.

 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 exists the system will pop up
        a shell-window to tell you so... If several programs is
        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 to 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... (Aaaaaaarrrgghhhhhhh!!!!)

* 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@dhmolde.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.