

History

| COLLABORATORS | | | | | | | |
|-----------------|------|---------------|-----------|--|--|--|--|
| TITLE : History | | | | | | | |
| ACTION | NAME | DATE | SIGNATURE | | | | |
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| REVISION HISTORY | | | | | | |
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| | | | | | | |

History

Contents

| 1 | Hist | ory | 1 |
|---|------|---------|----|
| | 1.1 | History | 1 |
| | 1.2 | 1.0 | 2 |
| | 1.3 | 2.0 | 2 |
| | 1.4 | 3.0 | 2 |
| | 1.5 | 3.01 | 2 |
| | 1.6 | 3.02 | 3 |
| | 1.7 | 3.03 | 3 |
| | 1.8 | 3.04 | 3 |
| | 1.9 | 3.05 | 4 |
| | 1.10 | 3.06 | 4 |
| | 1.11 | 3.07 | 4 |
| | 1.12 | 4.0 | 4 |
| | 1.13 | 4.01 | 5 |
| | 1.14 | 4.01b | 6 |
| | 1.15 | 4.02 | 6 |
| | 1.16 | 4.03 | 6 |
| | 1.17 | 4.04 | 7 |
| | 1.18 | 4.05 | 7 |
| | 1.19 | 4.06 | 7 |
| | 1.20 | 4.07 | 8 |
| | 1.21 | 4.08 | 8 |
| | 1.22 | 4.09 | 8 |
| | 1.23 | 4.10 | 8 |
| | 1.24 | 4.11 | 9 |
| | 1.25 | 4.12 | 9 |
| | 1.26 | 4.13 | 9 |
| | 1.27 | 4.14 | 10 |
| | 1.28 | 4.15 | 10 |
| | 1.29 | 4.16 | 10 |

History 1 / 10

Chapter 1

History

1.1 History

- Development History of PointerX -

1.0

2.0

3.0

3.01

3.02

3.03

3.04

3.05

3.06

3.07

4.00

4.01

4.01b

4.02

4.03

4.04

4.05

4.06

History 2 / 10

4.07

4.08

4.09

4.10

4.11

4.12

4.13

4.14

4.15

4.16

1.2 1.0

1.0 No information.

1.3 2.0

2.0 First version I owned.

\textdegree{} Only works on kickstart 2.x (Sometimes)
\textdegree{} Written by Steve Tibbett.

1.4 3.0

3.0 28-Sep-94 Released only to ßeta testers

\textdegree{} I (Dave Jones) took over.

\textdegree{} Some obvious optimisations were made.

\textdegree{} Now works on WorkBench 3, as I now patch the
Intuition/SetWindowPointerA() function as well as the
Intuition/SetPointer() function.

\textdegree{} Added auto-detatch code, no more need to `RUN \hookleftarrow PointerX'.

1.5 3.01

History 3 / 10

```
3.01 23-Oct-94 First Full Public Release - Appeared on AUI coverdisk

\textdegree{} Fixed NewSetWindowPointer().

It no longer causes Enforcer hits.

\textdegree{} If you now run PointerX twice, it'll Uninstall 
itself.

\textdegree{} Uses FastMem if available.

\textdegree{} Improved auto-detatch code.

\textdegree{} Various small optimisations.
```

1.6 3.02

```
3.02 27-Oct-94 Not publically released. Released only to Beta testers

\textdegree{} More PC relativity added.
\textdegree{} Some obscure optimisations added.
```

1.7 3.03

1.8 3.04

History 4 / 10

1.9 3.05

```
3.05 26-Dec-94 Third public release - Uploaded to AmiNet.

\textdegree{} Uses an optimised SegSplit routine, 4 bytes saved! ←

;^)
\textdegree{} Now includes a rather nice icon.
\textdegree{} More spell checking done on docs; -P
\textdegree{} Funky new icon by Kirem Rahmani. [Spe3Kdr@Cardiff.ac ←
 .uk]

This version seems to be the most spread version of all.
Aminet rules! It has also appeared on the Amiga Shopper
Subscribers disk, which Future Publishing kindly sent me
a copy of. This is more like it! Take note AUI!
```

1.10 3.06

```
3.06 6-Feb-95
                Internal Birthday version just to Beta-Testers/Close Friends.
                \textdegree{} Some typos in docs removed. (And probably, some more
                introduced! ;-)
              \textdegree{} Removal of Sprite Garbage bug. Perhaps ;-P
                Doesn't seem to appear anymore.
              \textdegree{} Removed a bug which caused random crashes since v3 \leftrightarrow
                I Was taking stuff off the stack in reverse order to what
                I was shoving them on in the Initialisation routine!
                Anything which relied upon a2/d2 after setting the
                busypointer crashed!
              \textdegree{} Changed interrupt priority from 136 to 10 !
                The pointer now seems to animate at a slighty faster
                speed than before, but still uses the same amount of
                CPU-Time ;-)
```

1.11 3.07

1.12 4.0

History 5 / 10

```
\textdegree{} Added HiRes Support. Ta-da!
  To All who requested it: Sorry it took so long, I got
  a little lazy, and almost abandoned this project (Argh!)
\textdegree{} User can now select Sprite resolution via a shell ←
   Arg
\textdegree{} Now uses Spaces instead of Tabs in the doc/guide to
   prevent looking ugly on non topaz font based Amiga's.
```

1.13 4.01

```
4.01 28-Aug-95
               Fifth public release. (Quite a lot of work this time!)
                 \textdegree{} Docs Spell Checking. (Again ;-)
               \textdegree{} Guide file now works (Sorry! Don't know what \leftarrow
                  happened
                 in v4.0! Guess I forgot to test it before release?)
               \textdegree{} Misc code re-arranging. (Improved logic)
               \textdegree{} As usual, a few optimisations!
               \textdegree{} Added constant recognition string for VirusKillers
               	ext{textdegree} Changed of busy-detection from word arithmetic to \leftarrow
                 (Should stop some instances of PtrX activating when it
                  shouldn't.)
               \textdegree{} Patches are now made between a Forbid()/Permit() ←
                  pair.
               \textdegree{} Added SINGLEHAND option.
               \textdegree{} Some programmers call SetPointer() with a zero for
                 the address of PointerData in order to blank the pointer
                 (For picture viewers e.t.c.) This was causing a few
                  problems since ..? Now Fixed)
               \textdegree{} Added recognition for some other busy-pointers.
                 > Resource's SandGlass
                 > Model 4D's Zzz Cloud
                 > GBRoute's Watch
                 > Personal Paint 4's No-Entry Sign
                 > DPaint 3's 1.3 Cloud
                 > Sound FX's 1.3 Cloud
                   \star {\tt NB} - Note, that these cloud busy-ptrs may be used
                    in other software too, and will therefore be
                    automatically recognised.
               \textdegree{} Completely re-wrote Seg-Split routines. Improvements ←
                 - No longer crashes Mungwall on removal
                 - Now works from WorkBench or SHELL (How come no-one
                   reported that it never worked from WorkBench before?)
                 - Can now (For eg) be started from shell, and then quit
                   by running from WorkBench (Or vice-versa)
                 - Slightly more structured than the previous incarnation.
               \textdegree{} Older versions allocated too more chipram for the \,\leftrightarrow
                  sprite
                 than what was actually needed. (144 Bytes) Now, I alloc
                 the correct amount (just a miniscule 68 Bytes)
               \text{textdegree} There is an Exec/CopyMem() call in the startup which \leftrightarrow
                   dates
                 back to Steve Tibbett days. I assumed it was the correct
```

History 6 / 10

```
value, and so carried on. I now discover that it was
  copying 64 bytes of busypointer data instead of 16.
  So now PointerX init's a few CPU cycles faster!
\textdegree{}~Now reads Window/WD_Screen instead of GfxBase/ ←
   ActiveView.
  Should be friendlier to the OS.
\text{textdegree}_{\text{Now sets Sprite-Resolution prior to setting}} \leftarrow
  No more brief flickers of the Lo-res pointer when in
  Hi-res mode.
	ext{textdegree} No longer any chance of crashing while IPrefs \leftrightarrow
   changes the
  screenmode e.t.c., Also removed a possible Enforcer hit.
	ext{textdegree}\{\} Uses approx 4k less memory! Now uses a 200 byte \leftrightarrow
   stack instead
  of a 4K one, plus some startup code has now been moved, so it
 no longers stays in memory.
\textdegree{} Some people suggested I change the interrupt ←
   priority to 0
  so I did. Hope it makes you feel better ?!
\textdegree{} Added Super hires switch for DBLPAL users.
```

1.14 4.01b

1.15 4.02

1.16 4.03

History 7 / 10

4.03 26-Nov-95

\textdegree{} Added some Workbench tooltype reading code.
 currently supports SPRITERES and SINGLEHAND tooltypes.
\textdegree{}~One or two small optimisations.

1.17 4.04

4.04 3-Dec-95 Bug Fix Release

\textdegree{} Reorg was displaying a busy-pointer when it wasn't $\ensuremath{\hookleftarrow}$ busy.

I Added some code which ignores the 'Delayed-busypointer' tag, and it now seemed to work. It doesn't work as it should, (It should wait a while, then display a busy pointer, but maybe that's for later!) I'm a little too busy right now, so this is an intermediate bug-fix release.

\textdegree{} Removed the .doc from the distribution
I decided it was a waste of space.

\textdegree{} Added 'commented-out' tooltypes to the Icon.

1.18 4.05

4.05 9-Mar-96 It's back!

\textdegree{} Improved instruction pipelining for 68020+
\textdegree{} No longer has the full \$VER: string in the interrupt
 name (I forgot to null terminate !)
\textdegree{} Changed the graphic data slightly, now the clock is
 completely symettrical. [To my eyes anyhow!]
\textdegree{} Added some more icons! Thanks to Graham Maddox.
\textdegree{} File size shrunk a little due to hunk manipulation.

1.19 4.06

4.06 13-Mar-96 Slight optimisation.

\textdegree() Changed inter

 $\label{text-degree} $$ \ Changed \ interrupt \ code \ so \ that \ it \ only \ redraws \ a \ \ \hookleftarrow \ frame \ of$

animation if the busy pointer is currently visible. This was wasting loads of CPU time previously. Wish I'd only thought of it earlier.

I'm unsure if I actually sent this to anyone! Oops!
if not, I guess you'll never ever see it!
Consider it a Pointer-X 'Rarity' !; ^)

History 8 / 10

1.20 4.07

1.21 4.08

1.22 4.09

1.23 4.10

History 9 / 10

```
4.10 13-May-96
                  More Speeeed!
                 \text{textdegree} Aligned interrupt code, and both patches to 32bit \leftrightarrow
                    boundaries
                  which will decrease CPU usage on 68020+ machines ; ^)
1.24 4.11
 4.11 22-May-96
                  Bugs 'n' speed!
                  ~~~~~~~~~~~
                \textdegree{} Changed Memory allocations:
                     - Now sets Memf_Reverse to minimise memory fragmentation
                     - Also sets Memf_Public, so that my code doesn't get
                       swapped out to virtual memory! (Was potentially dangerous)
                 \text{textdegree} Sprite is now aligned to 32bit boundary for enhanced \leftarrow
                     video
                   throughput on AGA machines
                 \textdegree{} Removed PGP support, as no-one requested my keyfile, \hookleftarrow
                   not everyone is as paranoid as me ;^)
1.25 4.12
4.12 29-May-96
                  Another new option (Oooh!)
                  \textdegree{} Added an option NORESETHANDS (ToolType and shell arg \leftarrow
                  which prevents PointerX from reseting to 12:00 every time
                  it's active.
                  Quite a few users requested this, and it was only a few
                  lines of code, so I thought.. what the hell ; ^)
1.26 4.13
4.13 18-Jun-96
                  Zzz.. Bug fix..
                 	ext{textdegree} If someone called OpenWindowTaglist() with the \leftrightarrow
                    WA_Busypointer
                  tag in the taglist, the pointer wouldn't animate.
                  I now patch OpenWindowTaglist() to fix this.
                \textdegree{} Slight optimisation in the SetPointer() patch.
                 \textdegree{} Moved the hot-spot of the busy pointer.
                \textdegree{} Rewrote the sprite resolution changing code.
                  Should kill some reports, that the res code didn't work 100%
                  on every set-up.
                \forall x \in \{\} Removed the anger section of the docs, as someone \leftrightarrow
                  offence to what I had written, which is not what I intended.
```

History 10 / 10

1.27 4.14

altered it a little, and ahem.. kept his mistakes intact ; ^)

1.28 4.15

1.29 4.16