MultiCX

Martin Berndt

	COLLABORATORS			
	TITLE : MultiCX			
ACTION	*NAME*	*DATE*	*SIGNATURE*	
WRITTEN BY	Martin Berndt	December 31, 2022		

	REVISION HISTORY		
NUMBER	DATE	DESCRIPTION	NAME

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MultiCX

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```
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                     MultiCX 2.78 (3.9.97)

                 The ultimate Multi-Function-Commodity
      -------------------------------------------------------------------------

MultiCX  is the smallest Multi-Function-Commodity for the Amiga, thought
as  a  replacement  for  many  larger  and  sometimes  badly  programmed
programs.  It is a 100% pure commodity, which means that it does not use
interrupts and no special input handlers. Some Patches (SetFunction) are
installed in a very clean  way, so that they do not interfere with other
programs which use the same vectors.
As a result MultiCX can safely be disabled or removed at any time.

If you need a clean Commodity without bad hacks there's no alternative !



                 Legal Stuff

                 Who did it?

                 Installation

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            Notes~and~Hints

            List of Patches

                  History

                   To~do

                  Credits
      ------------------------------------------------------------------------- ←
```

```
                    !!! MultiCX is SHAREWARE !!!
--------------------------------------------------------------------------
```

1.2 Installation

```
--------------------------------------------------------------------------
                          MultiCX Installation
--------------------------------------------------------------------------
```

Here you can install MultiCX automatically. It will be detected which
OS you are using and wether you are installing MultiCX new or wether you
are just updating. In the second case you have to add the new tooltypes
or these functions will be disabled. For more information about new
tooltypes have a look at the history.

Click here to install.

1.3 Features

```
          ----------------------------------------------------------------------- ←

                          MultiCX Features
--------------------------------------------------------------------------


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             OS 3.x only!

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```

1.4   Notification

```
------------------------------------------------------------------------
Notification
------------------------------------------------------------------------
```

MultiCX recognizes any changes of the ToolTypes while running, so
there's no real need for a GUI.

1.5   Locale

```
------------------------------------------------------------------------
Localisation
------------------------------------------------------------------------
```

The standard language of MultiCX is english, but if the current locale
language is german, then all MultiCX text outputs are in german, too.

```
------------------------------------------------------------------------
```

ToolTypes:

FORCE_GERMAN   force usage of german language, may be helpful
                           for WB 2.0 users

1.6 Screen Blanker

```
                      -----------------------------------------------------------------------  ←

Screen Blanker
--------------------------------------------------------------------------
```

MultiCX includes a simple but compatible screen blanker. It always uses
the display mode which fits best to the actual front screen, while
taking the lowest resolution with only one plane.

AVOIDTASK and AVOIDSCREEN fully support AmigaDOS pattern matching and
work case insensitive.
If LIKEWB and SCRMODE/SCRMODEID are set, the ScreenMode is only used if
the Workbench is not available for some reason. But this should never
happen...

See also:
            Moire Blanker
             and
            DPMS
```
            -----------------------------------------------------------------------  ←
```

ToolTypes:

```
SCRBLANK=n                  sets number of seconds until screen blanks,
                            0 means OFF
HOTBLANK=Qual&Key           sets hotkey for immediate blanking
CDNOBLANK                   do not blank screen if Carrier is detected
                            (currently only supports internal serial port)
CDUNBLANK                   unblank screen if Carrier is detected
                            (currently only supports internal serial port)
IGNOREKEY                   ignore unblanking keypress
IGNOREMOUSE                 do not unblank on mouse movement
IGNOREDISK                  do not unblank on disk insertion
AVOIDTASK=Pattern           do not blank screen if OwnerTask of active
                            screen matches pattern
AVOIDSCREEN=Pattern         do not blank screen if title of active screen
                            matches pattern
AVOIDWINDOW=Pattern         do not blank screen if title of active window
                            matches pattern
LIKEWB                      forces cloning the WB's display mode
SCRMODE=ModeName            selects a display mode by name
SCRMODEID=ModeID            selects a display ModeID (decimal)
```

1.7 Moire Blanker

```
                      -----------------------------------------------------------------------  ←

Moire Blanker
--------------------------------------------------------------------------
```

MultiCX has a really nice Screen Blanker, too! It steals no processor

time from other tasks, and if it couldn't draw a line for longer than 10
seconds it falls back to a simple black screen. There are some
parameters to play with...

See also:

                Screen Blanker
                 and
                DPMS
                -- ←

ToolTypes:

MOIRE   selects Moire blanker
LINES=n   number of lines, default is 2
TRAIL=n   length of trail, default is 64
XSPEED=n   x offset for next line, default is 4
YSPEED=n   y offset for next line, default is 6
CSPEED=n   color cycling delay, default is 16
COLOR=n   drawing color, range is 1-4095
                        0 means Random, -1 means Color Cycling
BLANKPRI=n   sets blanker's task priority, default is -120

1.8 DPMS

                -- ←

DPMS   Registered Users only !

DPMS stands for Display Power Management Signaling and needs at least
three things to work properly:

                1. a DPMS compatible monitor
                2. CyberGraphX system v40+
                3. a CyberGraphX Workbench screen

                        WARNING:

Do NOT try to use DPMS if your monitor doesn't support Power Management!

CyberGraphX knows different DPMS levels, but not all graphics cards or
monitors support them all, i.e. Picasso-II users may only use level 3.
The levels are:

Level 0   DPMS_ON   Full operation
Level 1   DPMS_STANDBY   Optional state of minimal power reduction
Level 2   DPMS_SUSPEND   Significant reduction of power consumption
Level 3   DPMS_OFF   Lowest level of power consumption

In order to prevent other screen blankers from doing unneccessary work
while DPMS is active, MultiCX may regulary emulate the pressing of the
left shift key, but MultiCX' own blankers do not need this.

See also:

            Screen Blanker
             and
            Moire Blanker
            -- ←

ToolTypes:

```
DPMS_TIME=n              sets number of seconds until DPMS blanking,
                         0 means OFF (no DPMS)
DPMS_LEVEL=n             sets DPMS operation mode (0-3), 0 means OFF
DPMS_SHIFT=n             sets number of seconds for Shift emitting,
                         0 means OFF
DPMS_KILLKEY             ignore unblanking keypress
DPMS_NOMOUSE             do not unblank on mouse movement
DPMS_NODISK              do not unblank on disk insertion
DPMS_HOTKEY=Qual&Key     sets hotkey for immediate DPMS blanking
```

1.9 Mouse Accelerator

```
--------------------------------------------------------------------------
Mouse Accelerator
--------------------------------------------------------------------------
```

MultiCX lets you set Acceleration and Theshold (minimum movement to
activate Acceleration) for smooth mouse handling.

SWITCH OFF ALL ALIEN MOUSE ACCELERATORS BEFORE USING THESE OPTIONS!
(Input Prefs "Acceleration" etc.)

```
--------------------------------------------------------------------------
```

ToolTypes:

```
ACCELERATION=n           sets Acceleration factor, 0 means OFF
THRESHOLD=n              sets Threshold value, 0 means no Threshold
```

1.10 Mouse Blanker

```
--------------------------------------------------------------------------
Mouse Blanker
--------------------------------------------------------------------------
```

MultiCX blanks the mouse pointer on keypress and/or after approx. 30
seconds when no mouse movement has occured.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
KEYBLANK                    activates MouseBlanking on keypress
TIMEBLANK                   activates MouseBlanking after timeout
```

1.11 Lefty Mouse

```
--------------------------------------------------------------------------
Lefty Mouse
--------------------------------------------------------------------------
```

If activated this feature will swap the left and right mouse button, ie.
if you hit the left button it will act like the right and vice versa.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
LEFTYMOUSE               activates Lefty Mouse
```

1.12 Screen Cycling

```
--------------------------------------------------------------------------
Screen Cycling
--------------------------------------------------------------------------
```

MultiCX allows you to cycle screens using either MiddleMouseButton or
BothMouseButtons, this is equivalent to LCOMMAND M. Additionally a
hotkey for backward cycling may be defined.

If MOUSESHIFT and SCRCYCLE are both set to MMB, then ScreenCycling will
occur on a Double-MMB-Click.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
SCRCYCLE=MMB|BMB         sets Screen Cycling to MMB or BMB
BACKCYCLE=Qual&Key       sets Qualifier and Key for BackCycle,
                         none means OFF
```

1.13 Mouse Shift

```
--------------------------------------------------------------------------
Mouse Shift
--------------------------------------------------------------------------
```

MultiCX lets you use the RightMouseButton or MiddleMouseButton as a
Shift-Key for extended selection.

And this is how it works with RightMouseButton:

1. Press LeftButton to select first icon and hold it.
2. Press RightButton and hold it.
3. Release LeftButton and keep RightButton pressed.
4. Now select some more icons with LeftButton.
5. To deselect an icon, click on it with LeftButton and keep it
   pressed, then release RightButton and press it again.

Sounds much more complicated than it is...

ToolTypes:

MOUSESHIFT=RMB|MMB   sets MouseShift to RMB or MMB

1.14 Window Cycling

Window Cycling

MultiCX lets you put a window to front/back by a configurable number of
LeftButton clicks. Qualifiers can be defined for both functions.
Additionally there are two hotkeys available for TopWindowToBack and
BottomWindowToTop. But only windows with a Depth Gadget are affected by
Window Cycling.

ToolTypes:

WINCYCLE=n   sets number of mouse clicks for WindowCycle,
                           0 means OFF
WINFRONTQUAL=Qual   sets Qualifier for WindowToFront
WINBACKQUAL=Qual   sets Qualifier for WindowToBack
FRONT2BACK=Qual&Key   sets hotkey for TopWindowToBack
BACK2FRONT=Qual&Key   sets hotkey for BottomWindowToTop
SUPERLAYERS   enables SuperLayers support for CyberGraphX v3

1.15 SUN-alike Window Activation

SUN-alike Window Activation

MultiCX has three different options to activate windows automatically.
All of them activate the window under the mouse pointer, SunKey does it
on every keypress, SunMouse does it after mouse movement, and SunRMB
does it after pressing the right mouse button. So SunKey and SunMouse
together seem to be rather useless. Windows with active Gadgets (like
FileRequesters etc) will never be deactivated by one of these functions.
Additionally specific windows may be excluded from deactivation using

----

the AVOIDSUN ToolType. When SUNPOPUP is used windows will be brought to
front when being activated.

ToolTypes:

SUNKEY   activates SunKey
SUNMOUSE   activates SunMouse
SUNRMB   activates SunRMB
SUNPOPUP   activates SunPopUp
AVOIDSUN=Pattern   do not deactivate active window if title matches
                         this pattern

1.16 Title Activator

Title Activator

This option simply allows activation of a screen by clicking on its
title bar, which is quite useful when using dragged screens.

ToolTypes:

TITLEACTIVATE   activates Title Activator

1.17 HoldX and HoldY

HoldX and HoldY

MultiCX allows you to lock a specific mouse dimension while holding a
defined Qualifier. If both Qualifiers are set to the same it locks all
mouse movements. So you are responsible for useful settings...

ToolTypes:

HOLDXQUAL=Qual   sets Qualifier for HoldX, none means OFF
HOLDYQUAL=Qual   sets Qualifier for HoldY, none means OFF

1.18 Enter ASCII

```
------------------------------------------------------------------------
Enter ASCII
------------------------------------------------------------------------
```

MultiCX allows you to enter ASCII codes directly by pressing an ALT key
and the numbers in the numeric block, for example: <ALT> 65 = A.
Maximum 3 digits, value must not be greater than 255.

```
------------------------------------------------------------------------
```

ToolTypes:

ENTERASCII=LALT|RALT   activates EnterASCII using LALT or RALT

1.19 Map Umlauts

```
              ---------------------------------------------------------------------- ←
```

```
Map Umlauts
------------------------------------------------------------------------
```

This option might be of use for german users or other people writing
german texts.   It will convert the german umlauts into the normal
character pendants.   If the MAPCAPSLOCK switch is set the conversion
only takes place while CAPSLOCK is active, which is very useful if you
only need this feature with some applications. Please note that this
option is not affected by
                NOCAPSLOCK
                , so these switches should be used
together.

```
------------------------------------------------------------------------
```

ToolTypes:

MAPUMLAUTS   activates MapUmlauts
MAPCAPSLOCK   activates MapCapsLock

1.20 CapShift

```
------------------------------------------------------------------------
CapShift
------------------------------------------------------------------------
```

This option changes the way CapsLock works.   Just try activating
CapsLock, and then press some shifted letters to get an idea of it.
Hotkeys etc.   are no longer affected by CapsLock. CapShift is ignored
if NoCapsLock is active.

```
------------------------------------------------------------------------
```

```
ToolTypes:

CAPSHIFT                 activates CapShift
```

1.21   NoCapsLock

```
--------------------------------------------------------------------------
NoCapsLock
--------------------------------------------------------------------------

... simply switches off CAPSLOCK completely.

--------------------------------------------------------------------------

ToolTypes:

NOCAPSLOCK               activates NoCapsLock
```

1.22   CloseZoom

```
--------------------------------------------------------------------------
Window Close & Zoom
--------------------------------------------------------------------------

MultiCX  allows  you  to close/zoom windows using pre-defined Qualifiers
and Keys.

--------------------------------------------------------------------------

ToolTypes:

WINCLOSE=Qual&Key        sets Qualifier and Key for CloseWindow,
                         none means OFF
WINZOOM=Qual&Key         sets Qualifier and Key for ZoomWindow,
                         none means OFF
```

1.23   Window Movement

```
--------------------------------------------------------------------------
Window Movement
--------------------------------------------------------------------------

This  group  of hotkeys enables you to center the active window, to move
it  to the top left corner of the screen or to align it with it's parent
window.

--------------------------------------------------------------------------

ToolTypes:
```

```
WINCENTER=Qual&Key        sets Qualifier and Key to center window
WINPARENT=Qual&Key        sets Qualifier and Key to align a window with
                          it's parent window
WINTOPLEFT=Qual&Key       sets Qualifier and Key to move window to the
                          top left corner of the screen
```

1.24 Window Remember

```
--------------------------------------------------------------------------
Window Remember
--------------------------------------------------------------------------
```

MultiCX remembers the last active window on every screen, and the next
time you go to that screen, this window will be re-activated
automatically.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
WINREMEMBER               activates WindowRemember
```

1.25 CenterScreen

```
--------------------------------------------------------------------------
CenterScreen
--------------------------------------------------------------------------
```

The active screen is centered when this hotkey is pressed. Optionally
the frontmost Screen is centered automatically as soon as it becomes
active.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
CENTERSCR=Qual&Key        sets Qualifier and Key for CenterScreen,
                          none means OFF
AUTOCENTER                activates AutoCenterScreen
```

1.26 HotFlush

```
--------------------------------------------------------------------------
HotFlush
--------------------------------------------------------------------------
```

MultiCX frees all unneeded memory when pressing this hotkey, just like
"Avail flush" does.

```
--------------------------------------------------------------------------
```

```
ToolTypes:

HOTFLUSH=Qual&Key        sets Qualifier and Key for HotFlush,
                         none means OFF
```

1.27 ForceAmiga

```
--------------------------------------------------------------------------
ForceAmiga
--------------------------------------------------------------------------
```

This Hotkey lets you force switching to native Amiga modes when using
CyberGraphX and is especially useful for some nasty games.

```
--------------------------------------------------------------------------

ToolTypes:

FORCEAMIGA=Qual&Key      sets Qualifier and Key for ForceAmiga,
                         none means OFF
```

1.28 PopCLI

```
--------------------------------------------------------------------------
PopCLI
--------------------------------------------------------------------------
```

MultiCX spawns a UserShell using the given command string when pressing
the PopCLI key.

```
--------------------------------------------------------------------------

ToolTypes:

POPCLI=Qual&Key          sets Qualifier & Key for PopCLI, none means OFF
POPCLICMD=Command        sets command string for PopCLI, none means OFF
POPCLISTACK=n            sets stacksize for PopCLI (Default: 4096)
```

1.29 PrtSc Hotkeys

```
--------------------------------------------------------------------------
PrtSc Hotkeys
--------------------------------------------------------------------------
```

MultiCX executes the given command strings when pressing the left or
right ALT key and PrtSc (NUMERICPAD *), which might be useful to print
or snapshot a screen.

```
--------------------------------------------------------------------------
```

```
ToolTypes:

PRTSC_LEFT=Command       sets command string for LALT NUMPAD *
PRTSC_RIGHT=Command      sets command string for RALT NUMPAD *
```

1.30 FrontPubScreen

```
-------------------------------------------------------------------------
FrontPubScreen
-------------------------------------------------------------------------


If  this   option  is activated the FrontScreen automatically will become
the actual DefaultPubScreen, as long as it is public and not private.


-------------------------------------------------------------------------


ToolTypes:

FRONTPUBSCR             activates FrontPubScreen
```

1.31 System Flags

```
                    ------------------------------------------------------------------------- ←

System Flags
-------------------------------------------------------------------------


MultiCX  lets  you set/change some of the internal AmigaOS flags.  These
may  be  set, unset  or  left  unchanged,  where a parameter of 0 means
deactivate,  1  or any value >0 means activate, and putting the ToolType
in  brackets  (the same as removing it) means no change.  Old values are
NOT  restored  when  quitting/disabling MultiCX, but
              Notification
               may be
used at any time.


-------------------------------------------------------------------------


ToolTypes:

BLACKBORDER=n           changes BlackBorder flag, ECS Denise needed
NOCLICK=n               changes NoClick flag for all drives,
                        may not work with very old drives
WILDSTAR=n              changes flag for extended WildCarding,
                        if ON "*" may be used instead of "#?"
SNDFILTER=n             switch Sound filter ON/OFF
```

1.32 Trackdisk Parameters

```
--------------------------------------------------------------------------
Trackdisk Parameters
--------------------------------------------------------------------------
```

This option is used to set some parameters of trackdisk.device. If used
with care these settings could make your drives faster and less noisy.
Old values are NOT restored when quitting/disabling MultiCX, but default
values are set when disabling these Tooltypes.

ONLY USE THEM IF YOU KNOW EXACTLY WHAT YOU ARE DOING!

```
--------------------------------------------------------------------------


ToolTypes:

TDRETRY=n                   change TDU_RETRYCNT (Default is 10)
TDSTEP=n                    change TDU_STEPDELAY (Default is 3000)
TDSETTLE=n                  change TDU_SETTLEDELAY (Default is 15000)
TDCALIBRATE=n               change TDU_CALIBRATEDELAY (Default is 4000)
```

1.33 Public Screen Flags

```
                   --------------------------------------------------------------------------  ←


Public Screen Flags
--------------------------------------------------------------------------
```

MultiCX also lets you set/change the global Public Screen flags. These
may be locked, so that other tasks cannot change them. The values are
the same as for the
                System Flags
                .

```
--------------------------------------------------------------------------


ToolTypes:

POPPUBSCR=n            changes PopPubScreen flag
SHANGHAI=n            changes Shanghai flag
LOCKPUBFLAGS          locks Public Screen flags set by MultiCX
```

1.34 Internal and External Preferences

```
--------------------------------------------------------------------------
Internal and External Preferences
--------------------------------------------------------------------------
```

Normally MultiCX opens a WBInfo Requester on CX_POPUP (OS 3.x only!),
but this may be replaced by an external program like MUI-MCXPrefs by
Jürgen Kempkes.

Thanks for the great work, Jürgen!

ToolTypes:

```
CX_POPUP=Qual&Key       sets Qualifier and Key for WBInfo or ext. Prefs
IGNORE_CLASS            lets all other Qual&Key definitions ignore their
                        ix_Class, normally only RAWKEY is accepted
EXTPREFS=Command        sets Command to execute for external Preferences
```

1.35 Advanced EditHook

Advanced EditHook

MultiCX contains a comfortable extension for all system StringGadgets.
It is completely inactive as long as the CONTROL qualifier is pressed.

The following keys can be used:

```
      RCOMMAND Q              undo                                 (*)
      RCOMMAND X              clear                                (*)
      RCOMMAND C              copy to Clipboard
      RCOMMAND V              paste from Clipboard (Insert)
      RCOMMAND SHIFT V        paste from Clipboard (Clear)
      RCOMMAND G              convert contents to upper case
      RCOMMAND H              convert contents to lower case
      RCOMMAND key           leave Gadget and execute Menu option  ($^1$)
      LCOMMAND (SHIFT) key    execute original RCommand shortcut
      SHIFT CURSOR LEFT       jump to start of line                (*)
      SHIFT CURSOR RIGHT      jump to end of line                  (*)
      SHIFT BACKSPACE         delete to start of line              (*)
      SHIFT DEL               delete to end of line                (*)
      ALT CURSOR UP           previous Gadget (SHIFT TAB)
      ALT CURSOR DOWN         next Gadget (TAB)
      ALT CURSOR LEFT         jump word left
      ALT CURSOR RIGHT        jump word right
      ALT BACKSPACE           delete word left
      ALT DEL                 delete word right
      ESC                     leave Gadget                         ($^2$)

      (*) function provided by OS
```

ToolTypes:

```
EDITHOOK              activates advanced EditHook
CLIPUNIT=Unit         select Clipboard unit for Copy/Paste (0-255),
                      Default: 0
NOCMDKEY              switch off "execute Menu" option ($^1$)
NOESCKEY              switch off "leave Gadget" option ($^2$)
```

1.36 Advanced ResetHandler

```
------------------------------------------------------------------------
Advanced ResetHandler
------------------------------------------------------------------------
```

If this option is enabled NOTHING will survive a Reset (Software Reset
or Keyboard Reset via LCOMMAND-RCOMMAND-CONTROL) in your computer's
memory. This will kill all kinds of virusses and things like the RAD:
device, which can be very useful if you just use it to decrunch disks.

Please note that the Keyboard Reset is not affected by PATCH_DISABLE and
that KBD_RESETHANDLERS will not work on very old machines (A1000 and
early A500).

```
------------------------------------------------------------------------
```

ToolTypes:

RESETHANDLER   activates advanced ResetHandler

1.37 SetFunction Patches

```
------------------------------------------------------------------------
SetFunction Patches
------------------------------------------------------------------------
```

Using this ToolType it is possible to select whether all patches are
disabled when disabling the Commodity. Patches are always disabled when
MultiCX is removed.

The following MultiCX functions are affected by this ToolType:

```
     LOCKPUBFLAGS      ASSIGNWEDGE        NEWLOOKMENUS
     NEWLOOKPROPS      WBABOUT            WBTITLE
     SA_PENS           SA_AUTOSCROLL      SA_FONT
     LOCKPENS          FIXOPENWB          NOCLOSEWB
     NODISPLAYBEEP     NOFORMAT           NOBOOTWRITE
     LOCKPATCH         SHAPEFREEZER       ALERTTIME
     WBGAUGE           OLDTOOL            NEWTOOL
     EDITHOOK          PUBSCREENALIAS

     BLACKBORDER  (OS 2.x only)
     RESETHANDLER (SoftReset only)
```

```
------------------------------------------------------------------------
```

ToolTypes:

PATCH_DISABLE   if set, all Patches will be disabled together
                        with MultiCX

1.38   AssignWedge

```
------------------------------------------------------------------------------
AssignWedge
------------------------------------------------------------------------------
```

This ToolType helps you handling "Please insert volume <xyz> in any
drive" requesters.   If the system tries to open such a requester, it
will be replaced by a new one with three more gadgets:

```
Assign...                 opens a DirectoryRequester asking for a path
                          to assign the requested volume to


Mount                     tries to mount the volume


Deny                      denies the request and remembers the Process
                          which tried to access that volume, so that it
                          will not ask you again as long as AssignWedge
                          is active
```

```
------------------------------------------------------------------------------
```

```
ToolTypes:

ASSIGNWEDGE               activates AssignWedge
AUTOMOUNT=Pattern         defines a pattern for volumes which will be
                          mounted automatically when accessed for the
                          first time
```

1.39   NewLookMenus

```
------------------------------------------------------------------------------
NewLookMenus                                              OS 3.x only!
------------------------------------------------------------------------------
```

This patch forces NewLook Menus on all PublicScreens.

```
------------------------------------------------------------------------------
```

```
ToolTypes:

NEWLOOKMENUS              activates NewLookMenus
```

1.40   NewLookProps

```
------------------------------------------------------------------------------
NewLookProps
------------------------------------------------------------------------------
```

This patch gives all PropGadgets (Sliders etc.) the OS 2.0+ look, if
they are at least 4x4 pixels wide.

(This will work with GadTools Gadgets only!)

ToolTypes:

NEWLOOKPROPS   activates NewLookProps

1.41 WBExtender

```
                    ------------------------------------------------------------------------ ←

WBExtender
------------------------------------------------------------------------
```

These options replace your WB Titlebar and the "About..." Requester by
more useful information about your system.

This is how the Titlebar will look:

```
AmigaOS~x.x~xxx~ xxxxxxx~(xx%)~Chip~xxxxxxx~(xx%)~Fast~~T:xx~L:xx~S:xx *
~~~~~~~~|~~~| ~~ |~~~~~~~~~~~~~~~~~|~~~~~~~~~~~~~~~~~~~ ~|~~~~|~~~~|  |
~~~~~~~~|~~~|~~ ~+~free~ChipMem~~~~~+~free~FastMem~~~~~ ~~|~~~~|~~~~|  |
~~~~~~~~|~~~|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ ~~~~~~~~~~~~~~~ ~|~~~~|~~~~|  |
~~~~~~~~|~~~+----~ChipSet~used~(OCS,~ECS, AGA, CGX or P96)|~~~~|~~~~|  |
~~~~~~~~|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ ~~~~~~~|~~~~|~~~~|  |
~~~~~~~~+--------~OS~Version~~~~~~~~~~~~~~~~~~~~~~ ~ ~~~~|~~~~|~~~~|  |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ ~|~~~~|~~~~|  |
~~~~~~~~~~~~~~~~~~~~Number~of~Tasks~-----------------------+~~~~|~~~~|  |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~|~~~~|  |
~~~~~~~~~~~~~~~~~~~~Number~of~Libraries~----------------------+~~~~|  |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~|  |
~~~~~~~~~~~~~~~~~~~~Number~of~Screens~-----------------------------+  |
                                                                    |
                Freezed ShapeShifter ------------------------------+
```

Attention!
The~WB~only~refreshes~display~when~amount~of~free~memory~has~changed!

And~here's~your~new~Workbench/About...

```
~~~~~~~~~~~~~~~~~~~~~+---------------------------------------------+
OS~Version~-------->~|~Kickstart~40.70,~Workbench~40.42, SetPatch 43.6~|
~~~~~~~~~~~~~~~~~~~~~|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  |
Copyright~Message~->~|~Copyright~©~1985-1997~Amiga International, Inc.~|
~~~~~~~~~~~~~~~~~~~~~|~All~Rights~Reserved.~~~~~~~~~~~~~~~~~~~~~  ~~~|
~~~~~~~~~~~~~~~~~~~~~|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  |
CyberGraphX ------> | CyberGraphX System v2 (40.113)              |
                    |                                            |
CPU/FPU~type~------>~|~CPU:~68030,~FPU:~68882~~~~~~~~~~~~~~~~~~~~~  |
Cache~Status~------>~|~InstCache~ON~(Burst),~DataCache~ON~(Burst)~~  ~|
~~~~~~~~~~~~~~~~~~~~~|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  ~|
Memory~Status~----->~|~Memory~used:~21% of 22.536.192~Bytes~~~~~~~~  ~|
~~~~~~~~~~~~~~~~~~~~~|~Largest~free~block:~11.061.448~Bytes Fast~~  ~|
~~~~~~~~~~~~~~~~~~~~~+---------------------------------------------+
```

```
Gadgets~----------->~|~~~OK~~~~~~~~Reboot        Flush~         More... |
~~~~~~~~~~~~~~~~~~~~~+-------------------------------------------------+


~~~~~~~~~~~~OK~~~~~:~just~leave~Requester~as~before
~~~~~~~~~~~~Flush~~:~flush~all~inactive~libs,~fonts~etc.
~~~~~~~~~~~~Reboot~:~reboots~system,~opens~confirmation~Requester~first
            More...: some additional information (OS 3.x only!)


~~~~~~~~~~~~~~~~~~~~~+---------------------------------+
~~~~~~~~~~~~~~~~~~~~~|~~~~~~~~---~System~Reboot~---~~~~~~~~~~|
~~~~~~~~~~~~~~~~~~~~~|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~|
~~~~~~~~~~~~~~~~~~~~~|~Wait~for~disk~activity~to~finish.~~|
~~~~~~~~~~~~~~~~~~~~~+---------------------------------+
~~~~~~~~~~~~~~~~~~~~~|~~~OK~                     Cancel~|
~~~~~~~~~~~~~~~~~~~~~+---------------------------------+
```

When WBMENU is activated some options will be added to WB's Tools menu:

```
              MCX About          some information about MultiCX
              MCX Config         calls MCX
              Preferences
                         MCX Flush        flushes memory (like above)
              MCX Reboot         reboots system (like above)
              MCX Shell          calls MCX
              PopCLI
               function
```

Please read more about Patches under "
              Notes and Hints
              "!

ToolTypes:

```
WBABOUT~~~~~~~  ~~~~~~~~enables new WB About
WBTITLE~~~~~  ~~~~~~~~~~enables new WB Titlebar
WBMENU                 enables new WB AppMenu options
CLOCK                  adds a digital clock to the TitleBar, which will
                       be updated regulary
12HRS                  12hrs clock display (AM/PM)
DATE                   adds a date display to the TitleBar
COMPACT                enables a more compact TitleBar (for people with
                       very big fonts or a very narrow WB screen)
WIDE                   enables XXL TitleBar for very wide WB screens
```


1.42 TagScreens

TagScreens

Do you remember this old goodie? ;-)

These functions only affect screens which do not set these parameters

----

themselves, so this should work perfectly together with other TagItem
promoters like MagicCX's TagScreens. Additionally all screens with
supplied TagLists are not changed unless HARDPATCH is set.

ToolTypes:

HARDPATCH   if set, NewScreens with TagLists are also
                           affected by the patch
SA_PENS   set DRIPens for ugly looking old programs
SA_AUTOSCROLL   enable AutoScrolling
SA_FONT   use Topaz-8 as default font for old programs

1.43 LockPens

LockPens   OS 3.x only!

This option is very useful if you use Workbench with many colors. It
locks pens 4-7 and sets the colors according to the actual Palette
Preferences.

ToolTypes:

LOCKPENS   enable LockPens

1.44 FixOpenWB

FixOpenWB   OS 3.x only!

AmigaOS 3.x has a severe bug when re-opening the Workbench screen,
depending on the task priority of the current task the system will hang
forever. This option is a workaround for the bug.

ToolTypes:

FIXOPENWB   enable FixOpenWB

1.45 NoCloseWB

```
------------------------------------------------------------------------
NoCloseWB
------------------------------------------------------------------------
```

If this option is set, only the IPrefs task is allowed to close your
Workbench screen. The tasks name MUST be "« IPrefs »", which should be
the case since Workbench 2.1. Otherwise the Workbench could not be
closed by any task.

```
------------------------------------------------------------------------
```

ToolTypes:

```
NOCLOSEWB                enable NoCloseWB
```

1.46 NoDisplayBeep

```
------------------------------------------------------------------------
NoDisplayBeep
------------------------------------------------------------------------
```

This option simply disables Intuition's DisplayBeep() function, thus no
application will flash the display anymore.

```
------------------------------------------------------------------------
```

ToolTypes:

```
NODISPLAYBEEP            enable NoDisplayBeep
```

1.47 Drive Protection

```
------------------------------------------------------------------------
Drive Protection
------------------------------------------------------------------------
```

Using the NOFORMAT option you may Format-protect a specific device, but
remember that writing of tracks is still possible (Format ... QUICK).

NOBOOTWRITE inhibits writing the first 2 blocks of a specific device, so
virusses or any other programs cannot write a BootBlock any longer,
which would otherwise destroy the RDB (Rigid Disk Block) of a harddisk.

If IOALERT is enabled any violation of the above options will cause an
Alert giving you the chance to ignore (LBUTTON) or cancel (RBUTTON) the
operation. If this option is disabled all offending operations are
cancelled.

     DeviceName is CASE-DEPENDENT and the driver must already be loaded
                         when starting MultiCX!

```
--------------------------------------------------------------------------
```

ToolTypes:

```
NOFORMAT=DeviceName      enable NoFormat for DeviceName
NOBOOTWRITE=DeviceName   enable NoBootWrite for DeviceName
IOALERT                  enable IOAlert
```

1.48 ToolAlias

```
--------------------------------------------------------------------------
```
ToolAlias
```
--------------------------------------------------------------------------
```

This very simple ToolAlias option allows you to intercept and replace
one or more programs specified by a wildcard pattern by another one, ie.
setting "OLDTOOL=#?more" and "NEWTOOL=SYS:Utilities/MultiView" means
that MultiView will be used instead of all programs which names end with
"more".

```
--------------------------------------------------------------------------
```

ToolTypes:

```
OLDTOOL=Pattern          sets pattern for tools to be replaced
NEWTOOL=Command          sets replacement command
```

1.49 LockPatch

```
--------------------------------------------------------------------------
```
LockPatch
```
--------------------------------------------------------------------------
```

This fixes a small OS-bug in dos.library's Lock function. Without this
patch some programs will not work properly with muFS etc.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
LOCKPATCH                enable LockPatch
```

1.50 ShapeShifter Support

```
--------------------------------------------------------------------------
```
ShapeShifter Support   Registered Users only !
```
--------------------------------------------------------------------------
```

If SHAPEFREEZER is enabled, MultiCX will freeze ShapeShifter when it's
screen is not in front. This will prevent GfxBoard displays from being

trashed by the Mac display.

SHAPECLICKER allows you to use RMB to create a DoubleClick on the Mac.

SHAPESTICK will emulate a Joystick on the Mac side by translating your
Joystick movements to keypresses. Default is SPACE for Fire and CURSOR
keys for the four directions. Diagonal movements are represented by the
corresponding two keypresses. As an example RETURN for Fire and NUMPAD
4,5,6,8 would be correct for F/A-18 and A10-Attack. All Qualifiers
except NUMPAD are ignored. Please note that this option will only
affect ShapeShifter, so it is compatible to all other programs running
on the Amiga side.

Just in case you don't know what the hell I'm talking about...
ShapeShifter is the incredible Macintosh emulator by Christian Bauer.

IMPORTANT NOTES:

- The name of ShapeShifter's main task must be "ShapeShifter", so do not
  rename the program! Newer versions of ShapeShifter (since 3.2) take
  care of this automatically.

- Do NOT use SHAPESTICK if you have anything other connected to your
  Joystick port (Gameport 1) than a digital Joystick!

- SHAPESTICK currently only supports ShapeShifter running on it's own
  screen, it is simply ignored if you run ShapeShifter in a window.

ToolTypes:

```
SHAPEFREEZER            enable ShapeFreezer
SHAPECLICKER            enable ShapeClicker
SHAPESTICK              enable ShapeStick
S_FIRE=Key              set Key representing the Joystick's fire button
S_RIGHT=Key             set Keys representing Joystick directions
S_LEFT=Key
S_UP=Key
S_DOWN=Key
```

1.51 Opaque Windows

Opaque Window Movement and Sizing

These options enable you to move/size windows in full, and not only an
ugly frame. But this should not be used on slow machines! If OPAQQUAL
is not set and any Qualifier is pressed while moving/sizing a window
MultiCX will use the old OS routines.

ToolTypes:

```
OPAQMOVE                   enables Opaque Movement
OPAQSIZE                   enables Opaque Sizing
NOSMART                    use OS routines for SmartRefresh windows
NOSIMPLE                   use OS routines for SimpleRefresh windows
WBONLY                     use Opaque functions on WB screen only
OPAQLIMIT=Pixels           limits WindowSize for Opaque functions
                           0 means "No Limit"
OPAQQUAL=Qual              set Qualifier for Opaque functions
```

1.52 Alert Timeout

```
------------------------------------------------------------------------
Alert Timeout                                            OS 3.x only!
------------------------------------------------------------------------
```

This option allows you to set a timeout (in 1/50 seconds) for all system
alerts. If the specified period of time has expired the alert will be
cancelled, just like you would have pressed RBUTTON.

```
------------------------------------------------------------------------
```

ToolTypes:

```
ALERTTIME=ticks            enable and set Alert Timeout in 1/50 seconds,
                           0 means "No Timeout"
GURUTIME=ticks             set Timeout for Guru messages (Default: 540)
```

1.53 WBGauge

```
------------------------------------------------------------------------
WBGauge                                            Registered Users only !
------------------------------------------------------------------------
```

Perhaps you know these gauges from good old OS 1.x times...

If activated these gauges show you how much the device is filled up,
just like the percent figure in the windows titlebar.

There are 4 different looks available:

```
                Type 1:    OS 2.x Proportional Gadget
                Type 2:    OS 3.x Proportional Gadget
                Type 3:    Plain Raised
                Type 4:    3D Raised
```

Just try them all to find out what you like most.

```
------------------------------------------------------------------------
```

ToolTypes:

```
WBGAUGE=type                 enable WBGauge and select gauge type (1-4),
                             0 means OFF
```

1.54 ScreenMenu

```
--------------------------------------------------------------------------
ScreenMenu
--------------------------------------------------------------------------
```

Using this option the depth gadget of a PublicScreen gets a new meaning.
If you click it with the right mouse button MultiCX presents a menu from
which you may select a screen, which will be brought to front when the
mouse button is released. Public screens are marked by "<PUB>" in front
of their public name, all others by "<SCR>" followed by the screen's
title (if present).

Please note that this function is limited to public screens because a
visitor window on a custom screen would never be safe enough.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
SCREENMENU               enables ScreenMenu
```

1.55 PubScreenAlias

```
--------------------------------------------------------------------------
PubScreenAlias
--------------------------------------------------------------------------
```

Many programs can only access a PubScreen using its name but not the
frontmost or default PubScreen. MultiCX offers two alias names to access
these screens: _FRONT_ for the frontmost and _DEFAULT_ for the default
PubScreen.

Example: MultiView MyPicture pubscreen _FRONT_

Sometimes you may have to edit a programs prefs file using a Hex-Editor.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
PUBSCREENALIAS           enables PubScreenAlias
```

1.56 Notes and Hints

--- ←

                              Notes and Hints

- MultiCX must be started from WB, CLI/Shell is not supported.

- MultiCX is 100% compatible to Commodore's specifications, so don't
  complain if some bad-behaving software does not work with it.
  For example: Some bad filesystems do not support Notification, some
  bad gfx-board drivers do not support MouseBlanking etc...

- Not all patch programs are as clean as MultiCX (in reality most are
  really bad hacks!), so you should pay attention to the following
  simple rules:

  1. All lowlevel patches (like CopyMemQuicker, RTPatch etc.) should be
     started between SetPatch and LoadWB! Do not use the User-Startup
     for such programs. This method is preferable for most patches.

  2. Application patches (like ARQ) should have a high start priority if
     started in WBStartup. Simply set a ToolType "STARTPRI=nnn" and use
     a relative high value like 100 to make sure that these tools are
     started before MultiCX. Valid values range is -127 to 127.

  3. Do not try to remove bad patches, not even if they have a option to
     do that! It's simply not possible to do that in a clean way without
     MultiCX's advanced interfacing routines. You have been warned...

- Some bad programs pass invalid parameters to OS functions, for example
  some set WFLG_NW_EXTENDED in the NewWindow structure and do not supply
  a valid TagList in enw_Extension. MultiCX tries to check parameters in
  order to avoid problems when possible, but this will not always work.
  Remember: Things like this are not MultiCX's fault!

- MultiCX's Screen Blanker uses BestModeID to find the best display
  mode. Because this is impossible under AmigaOS 2.x, MultiCX uses a
  special masking algorythm to find the display mode. But this relies on
  the fact, that a DisplayID with all ModeKeys set to 0 exists.
  Anyway you should use AmigaOS 3.x for best results.

- BlackBorder is not fully supported by AmigaOS 2.x, but should work.

- Some very old drives do not like NoClick, so switch it off at once if
  your drive makes funny noises...

- If you like to toggle some of MultiCX's features using hotkeys, you
  should try ToolManager 3.0 (by Stefan Becker) together with DoIcon (by
  Lars Eilebrecht).

- MultiCX may be enabled, disabled or removed from within scripts by
  using
              HandleCX
              (included in this archive). Should always be done when
  starting nasty games...

– External Preferences programs must not use more than 4096 byte stack,
  and should use ReadArgs to get needed arguments. The program is
  responsible for things like protecting itself against being started
  twice, popping it's screen to front etc.

  In order to get the path and name of MultiCX's active icon file a
  Public Semaphore has been implemented. Programs can use FindSemaphore
  to get the base of the following structure:

```
struct MCXSemaphore
{
      struct  SignalSemaphore mcx_Sem;
      BPTR    mcx_Lock;                      /* Copy of my wa_Lock */
      CHAR    *mcx_Name;                     /* Ptr to Icon Filename */
      WORD    mcx_Version;                   /* MultiCX Version */
      WORD    mcx_Revision;                  /* MultiCX Revision */
}
```

  The name of the Semaphore is "MultiCX Path".
  Don't forget to protect all accesses by a Forbid/Permit pair, because
  the Semaphore will be removed if MultiCX ends.

– NEVER try to remove/disable ARQ or other programs that patch the
  EasyRequestArgs function. Most often these bad programs will trash
  the vector, resulting in "Please insert volume NIL: in any drive"
  requesters.

– Do NOT use bad hacks like SysIHack, ToolsDaemon, ExecPatch etc.

– Some programs (DOpus5 etc.) call Intuition functions while having the
  IntuiBase locked. So if you encounter any deadlock problems it's
  definitely not MultiCX's fault!

– Some bad KBD_RESETHANDLERs do not preserve registers and do not return
  NULL when finished. This is the case with RebootOff from the Enforcer
  package, so do not complain if it doesn't work correctly!

– Things like Enforcer are only thought for debugging purposes and
  should not be used on every startup!

– Some bad so-called viruskillers do not know the difference between a
  virus and an application, and so report that the DoIO vector has been
  corrupted and must be fixed. If possible you should CANCEL this
  operation!

– Everybody should use SwazInfo by David Swazbrook...   ;-)

1.57 Author

```
-----------------------------------------------------------------------
                                  Author
-----------------------------------------------------------------------



                          Martin Berndt
```

                         Fr.-Alfred-Str. 115
                           47226 Duisburg
                             Germany

                       Phone: +49-2065-73904

                  E-Mail: m_berndt@wanderer.gun.de

                  Support BBS: WANDERER +49-211-226223

                          Login: MBS

        Use 'download <number>' to get the archive you want

       MultiCX was developed using DevPac v3.14 ©1994 by HiSoft

----
                     Have you tried AmiCDFS already ?

1.58 History

              --- ←

                           History

1.00 - 1.76   Ancient History

2.0 (9.9.95)   FIRST RELEASE VERSION

2.01 (10.9.95) PUBLIC RELEASE

               - fixed serious bugs in
               Moire Blanker
                and
               Mouse Blanker
                             - implemented
               AVOIDWINDOW
2.02 (12.9.95) PUBLIC RELEASE

               - improved
               Screen Blanker
                             - improved
               OPAQMOVE
                and
               OPAQSIZE
                             - fixed serious bugs in
               SHAPEFREEZER
                and
               FIXOPENWB

```
                              - enhanced and improved
                EDITHOOK
                2.03 (14.9.95)  PUBLIC RELEASE

                - fixed documentation bug (
                NEWLOOKMENUS
                )
                - enhanced
                EDITHOOK
                                         -
                OPAQMOVE
                 and
                OPAQSIZE
                 completely rewritten,
                  works with OS 2.x and OS 3.x now!

2.04 (15.9.95)  PUBLIC RELEASE

                -
                OPAQMOVE
                 no longer ignores alien BorderGadgets
                   (MUI's Iconify Gadget etc.)

2.05 (15.9.95)  PUBLIC RELEASE

                - improved DragBar recognition in
                OPAQMOVE
                                - fixed small bug in
                OPAQSIZE
                2.06 (16.9.95)  PUBLIC RELEASE

                - improved
                LOCKPATCH
                2.07 (18.9.95)  PUBLIC RELEASE

                - improved
                LOCKPENS
                                - added
                List of Patches
                 to documentation

2.08 (19.9.95)  PUBLIC RELEASE

                - fixed serious bug in error cleanup code

2.09 (24.9.95)  PUBLIC RELEASE

                -
                POPCLI
                 and
                External Preferences
                 should work with faked
                  WBStartupMsgs (with empty MP_SIGTASK field) now, but
                  the Path will not be cloned then!

2.10 (25.9.95)  PUBLIC RELEASE
```

```
                   - implemented Deadlock Protection System for some very
                     nasty programs

2.11 (26.9.95)  PUBLIC RELEASE

                   - implemented
                NOBOOTWRITE
                 and
                IOALERT
                                - implemented
                NODISPLAYBEEP
                2.12 (28.9.95)  PUBLIC RELEASE

                   - implemented
                ALERTTIME
                                - modified behaviour of
                IOALERT
                2.13 (29.9.95)  PUBLIC RELEASE

                   - enhanced and optimised
                NOFORMAT
                 and
                NOBOOTWRITE
                ,
                   now ETD commands are detected as well

2.14 (2.10.95)  PUBLIC RELEASE

                   - hopefully solved deadlock problems with some very
                     nasty programs (DOpus5 etc.)

2.15 (4.10.95)  PUBLIC RELEASE

                   - made
                NEWLOOKMENUS
                 more waterproof, some bad programs
                   tried to define NULL-MenuStrips

2.16 (8.10.95)  PUBLIC RELEASE

                   - fixed bug in
                ASSIGNWEDGE
                , so IDCMP_DISKINSERTED will
                   be handled correctly now
                   - added some
                Notes and Hints
                2.17 (9.10.95)  PUBLIC RELEASE

                   - improved StringGadget recognition routine

2.18 (10.10.95) PUBLIC RELEASE

                   - fixed bug in
                SHAPEFREEZER
                2.19 (24.10.95) PUBLIC RELEASE

                   - added some sanity checks for
```

```
                ASSIGNWEDGE
                2.20 (25.10.95) PUBLIC RELEASE

                - improved
                LOCKPENS
                2.21 (27.10.95) PUBLIC RELEASE

                - implemented Joystick emulation for
                ShapeShifter
                                - improved some routines

2.22 (7.11.95)  PUBLIC RELEASE

                - fixed small bug in
                SHAPEFREEZER
                                - some internal improvements

2.23 (10.11.95) PUBLIC RELEASE

                - implemented
                OPAQQUAL
                                - included fixed version of
                RebootOff
                  (Enforcer)

2.24 (11.11.95) PUBLIC RELEASE

                - improved
                ASSIGNWEDGE
                 and implemented workaround
                  for some nasty programs like TheAnswer3

2.25 (17.11.95) PUBLIC RELEASE

                - implemented
                WBONLY
                                - implemented SMARTWB
                - updated Support BBS number

2.26 (1.12.95)  PUBLIC RELEASE

                - implemented
                WBGAUGE
                2.27 (3.12.95)  PUBLIC RELEASE

                - fixed stupid bug in
                WBGAUGE
                2.28 (4.12.95)  PUBLIC RELEASE

                - fixed and improved
                FRONTPUBSCR
                2.29 (4.12.95)  INTERNAL TEST VERSION

2.30 (5.12.95)  PUBLIC RELEASE

                - improved and enhanced
                EDITHOOK
```

```
                 :
                   - is now controlled by
                 PATCH_DISABLE
                                 - implemented
                 CLIPUNIT
                  ToolType
                   - RCOMMAND SHIFT V clears gadget before inserting string
                   - works with applications that do their own Copy/Paste now
                   - is 100% compatible to MUI now
                 - overall code cleanup
```

2.31 (11.12.95) PUBLIC RELEASE

```
                 - improved
                 OPAQMOVE
                  and
                 OPAQSIZE
                                 - fixed (harmless) Enforcer hit in
                 NEWLOOKMENUS
```
2.32 (15.12.95) PUBLIC RELEASE

```
                 - hopefully fixed some problems with v39 Workbench
                 - minimised stack usage of some routines
```

2.33 (16.12.95) PUBLIC RELEASE

```
                 - improved and extended
                 WBABOUT
                  and
                 WBTITLE
                                 - fixed nasty bug in
                 SHAPEFREEZER
```
2.34 (16.12.95) PUBLIC RELEASE

```
                 - Arrggghhhh! v2.33 introduced a MEGA-BUG!
```

2.35 (19.12.95) PUBLIC RELEASE

```
                 -
                 WBGAUGE
                  should work with all languages now
```

2.36 (20.12.95) PUBLIC RELEASE

```
                 - optimised some routines
                 -
                 WBGAUGE
                  really works with all languages now,
                   including German...  ;-)
```

2.37 (26.12.95) PUBLIC RELEASE

```
                 - implemented
                 CLOCK
                                 - added
                 12HRS
                  and
```

```
                    COMPACT
                     ToolTypes


2.38 (31.12.95) PUBLIC RELEASE


                    - implemented
                    IGNORE_CLASS
                                    - implemented
                    NOCMDKEY
                     and
                    NOESCKEY
                    2.39 (1.1.96)   PUBLIC RELEASE


                    - implemented
                    GURUTIME
                                    - implemented some more Magic in
                    WBABOUT
                                    A Happy New Year to all of you!


2.40 (7.1.96)   PUBLIC RELEASE

                    - fixed a global WB deadlock problem


2.41 (8.1.96)   PUBLIC RELEASE

                    - fixed small bug in
                    WBTITLE
                                    -
                    ENTERASCII
                     now works with LALT or RALT


2.42 (23.1.96)  PUBLIC RELEASE

                    - implemented
                    AUTOMOUNT
                                    - improved
                    EDITHOOK
                    2.43 (23.1.96)  PUBLIC RELEASE

                    - improved
                    ASSIGNWEDGE
                    2.44 (26.1.96)  PUBLIC RELEASE

                    - improved
                    ASSIGNWEDGE (AUTOMOUNT)
                     behaviour


2.45 (12.2.96)  PUBLIC RELEASE

                    - removed SMARTWB, because it would never work properly
                    - removed a sanity check from
                    ASSIGNWEDGE
                    2.46 (18.3.96)  PUBLIC RELEASE

                    - implemented
                    NOCLOSEWB
                                    - implemented
```

```
                        IGNOREKEY
                                        - improved
                        IOALERT
                        ,
                          Multitasking is inhibited now while displaying the
                          alert to give the chance for a emergency reset
                        -
                        WBTITLE
                         now detects CyberGraphX
                        - easier access to
                        Support BBS
                        2.47 (24.3.96)  PUBLIC RELEASE

                        - fixed
                        ASSIGNWEDGE
                        's Mount to work properly with
                          some 3rd party command shells (WShell etc.)

2.48 (11.4.96)  PUBLIC RELEASE

                        - implemented
                        ASSIGNWEDGE
                         workaround for WBStartup+
                           (bug in launcher.library)
                        - fixed small bug in
                        NOCAPSLOCK
                                          - improved SetFunction interfacing code
                        - optimised some routines
                        - included german documentation

2.49 (13.4.96)  PUBLIC RELEASE

                        - fixed a nasty bug in new SetFunction interfacing code

2.50 (29.4.96)  PUBLIC RELEASE

                        - fixed bug in
                        SCRMODE
                        , ToolType was simply ignored

2.51 (8.6.96)   INTERNAL TEST VERSION

2.52 (10.6.96)  PUBLIC RELEASE

                        - improved
                        Drive Protection
                         routines
                        - implemented
                        IGNOREMOUSE
                         and
                        IGNOREDISK
                                          - implemented
                        AVOIDSUN
                                          - implemented
                        DATE
                         display for extended TitleBar
```

```
2.53 (11.6.96)  PUBLIC RELEASE

                - fixed small bug in
                DATE
                 routine

2.54 (18.6.96)  PUBLIC RELEASE

                - fixed bug in
                AVOIDSUN
                            - improved InputEvent killing routine

2.55 (24.6.96)  PUBLIC RELEASE

                - implemented
                German Localisation
                            - improved some routines

2.56 (24.7.96)  PUBLIC RELEASE

                - improved
                NEWLOOKPROPS
                            - fixed bug in
                WBGAUGE
                 (Type 1)
                - fixed bug in
                AVOIDSUN
                 which affected
                Window Cycling
                            - implemented
                FORCEAMIGA
2.57 (10.9.96)  PUBLIC RELEASE

                - improved and extended
                WBABOUT
                 and
                WBTITLE
                            - improved German documentation

2.58 - 2.59    INTERNAL TEST VERSIONS

2.60 (10.1.97)  PUBLIC RELEASE

                - implemented
                SCREENMENU
                            -
                SUNxxx
                 functions no longer disable MUI Stringgadgets
                - fixed some small bugs
                - changed
                account number
                 for money transfer

2.61 (15.1.97)  PUBLIC RELEASE

                - fixed stupid bug in
                SCREENMENU
```

```
                  2.62 (16.1.97)  PUBLIC RELEASE

                  - fixed another stupid bug in
                  DATE
                   ToolType handling
                  - improved
                  SCREENMENU
                   routine

2.63 (5.2.97)    PUBLIC RELEASE

                  - added
                  Window Movement
                   options
                  - added AM/PM display to clock's
                  12HRS
                   mode
                  -
                  WBTITLE
                   now detects Picasso96

2.64 - 2.69      INTERNAL TEST VERSIONS

2.70 (14.4.97)   PUBLIC RELEASE

                  - implemented
                  TITLEACTIVATE
                                  - implemented
                  SUNPOPUP
                                  - implemented
                  WBMENU
                                  - implemented
                  LEFTYMOUSE
                                  - implemented
                  MAPCAPSLOCK
                                  - implemented
                  SCRMODEID
                                  - implemented
                  PRTSC_LEFT and PRTSC_RIGHT
                                  - implemented simple
                  ToolAlias
                   option
                  - extended
                  WBABOUT
                   to show CyberGraphX version
                  - added
                  SUPERLAYERS
                   support for CyberGraphX v3
                  - fixed bug in Qualifier handling code
                  - improved some routines
                  - included
                  HandleCX
                   source
                  - changed
                  registration
                   details
                  - sorry, german documentation not finished yet
```

2.71 (24.4.97) PUBLIC RELEASE

                - fixed some very small bugs

2.72 (12.5.97) PUBLIC RELEASE

                - added
                WIDE
                 option for extended TitleBar
                - improved
                SCREENMENU
                 to be PowerWindows compatible

2.73 (20.5.97) PUBLIC RELEASE

                - added
                DPMS
                 for CyberGraphX

2.74 (4.6.97)   PUBLIC RELEASE

                -
                WBABOUT
                 now works with SetPatch 43.6

2.75 (15.8.97) PUBLIC RELEASE

                - added
                PUBSCREENALIAS
                                - added Reboot option to
                WBMENU
                                - MultiCX now automatically handles Executive, so ←
                                 it
                   should be removed from Executive's Tasklist.

2.76 (22.8.97) PUBLIC RELEASE

                - added
                BLANKPRI
                 in order to avoid problems with
                  some badly programmed software

2.77 (27.8.97) PUBLIC RELEASE

                - hopefully fixed deadlock problem in
                SCREENMENU
2.78 (3.9.97)   PUBLIC RELEASE

                - improved
                SCREENMENU
                 and
                TITLEACTIVATE
                                -
                WBABOUT
                 'More...' now works with Kickstart 3.0

1.59 To do

```
--------------------------------------------------------------------------
                    Planned features for later versions:
--------------------------------------------------------------------------


              - some more small patches...


              Please send me your suggestions!
```

1.60 PatchList

```
--------------------------------------------------------------------------
                          List of Patches
--------------------------------------------------------------------------


Name                            Library         needed for
--------------------------------------------------------------------------
OpenScreen, OpenScreenTagList   intuition       SA_PENS
                                                SA_AUTOSCROLL
                                                SA_FONT
                                                LOCKPENS        (OS 3.x)
                                                BLACKBORDER     (OS 2.x)
                                                SHAPEFREEZER
OpenWindow, OpenWindowTagList    intuition       NEWLOOKMENUS    (OS 3.x)
                                                WBTITLE
                                                FIXOPENWB       (OS 3.x)
                                                PUBSCREENALIAS
                                                SHAPEFREEZER
CloseWindow                     intuition       WBGAUGE
SetPubScreenModes               intuition       LOCKPUBFLAGS
SetMenuStrip                    intuition       NEWLOOKMENUS    (OS 3.x)
EasyRequestArgs                 intuition       ASSIGNWEDGE
                                                WBABOUT
SetWindowTitles                 intuition       WBTITLE
                                                WBGAUGE
LockPubScreen                   intuition       FIXOPENWB       (OS 3.x)
                                                PUBSCREENALIAS
OpenWorkBench                   intuition       FIXOPENWB       (OS 3.x)
CloseWorkBench                  intuition       NOCLOSEWB
CreateGadgetA                   gadtools        NEWLOOKPROPS
WBenchToFront                   intuition       SHAPEFREEZER
ScreenToFront, ScreenToBack     intuition       SHAPEFREEZER
ScreenDepth                     intuition       SHAPEFREEZER    (OS 3.x)
DoIO, SendIO                    exec            NOFORMAT
                                                NOBOOTWRITE
Format                          dos             NOFORMAT
Lock                            dos             LOCKPATCH
ColdReboot                      exec            RESETHANDLER
DisplayBeep                     intuition       NODISPLAYBEEP
DisplayAlert                    intuition       ALERTTIME       (OS 3.x)
ModifyIDCMP                     intuition       WBGAUGE
LoadSeg, NewLoadSeg             dos             OLDTOOL
```

                                  NEWTOOL

1.61 Legal

       -- ←

                              Legal Stuff

                        MultiCX 2.x is SHAREWARE !!!

    If you use it permanently please send me a donation of US$ 20 (DM 30).
       Please add $5 when you send me a cheque to cover clearing charges.

     All users who have sent a gift for MultiCX 1.x may use this and all
                  further coming updates without paying anything.

                       Bank Account for money transfer:

     Martin Berndt   Konto 4185180009   BLZ 35060386   Vereinsbank Duisburg

                      Registered users should contact me
                      to get rid of some strange new features...

                         THANK YOU FOR YOUR SUPPORT !

Copyright

MultiCX is written and copyright © 1994-1997 by
                 Martin Berndt
                  . No parts
of this program may be altered by any means (this includes editing,
reprogramming, crunching, resourceing etc.), except archiving.

Disclaimer

The author is in no way liable for any changes made to any part of the
program, or consequences thereof as he is in no way liable for damages
or loss of data directly or indirectly caused by this software.

Distribution

Neither fees may be charged nor profits may be made by distributing this
piece of software. Only a nominal fee for costs of magnetic media may
be accepted, the amount of US $5 shouldn't be exceeded for a disk
containing MultiCX. CD Manufactures are specifically granted the right
to include this program on CD collections, as long as they are for the
Public Domain. But the user still has to pay the Shareware fee!

1.62 Credits

-- ←

                            Credits

The following persons deserve special thanks from me as they made a
significant contribution to the development of MultiCX:

- Olaf "Olsen" Barthel   for his good advice in many cases

- Jürgen Kempkes   for
                MUI-MCXPrefs
                - Christian Bauer   for
                ShapeShifter
                , the best Mac-Emulator

- Frank Mariak   for making
                CyberGraphX
                - Kai Iske   for
                WBGauge
                 artwork

- Niels Görs   for the german documentation

- all my Beta-Testers   for reports and constructive criticism

- Mike Oldfield   for the best music on this little planet

- the TNG crew   for the greatest adventures in universe

- my girlfriend Heike   for everything and for just being there

- my son Daryl   for moral support

- my coffee machine   for coffee support   ;-)

1.63 HandleCX

                      HandleCX 1.3 (19-Mar-95)

HandleCX is a CLI-replacement for Exchange to help you handling your
commodities. In many cases it is useful to have full control over all
running commodities in scripts, e.g. to start a game which does not
like screenblankers.

```
--------------------------------------------------------------------------
                                  Usage
--------------------------------------------------------------------------
```

The syntax of the HandleCX command is:

```
  HandleCX CX_NAME/M,L=LIST/S,V=VERBOSE/S,P=POPUP/S,H=HIDE/S,E=ENABLE/S,
           D=DISABLE/S,R=REMOVE/S,T=TOGGLE/S
```

The parameters are:

```
    CX_NAME          name of a commodity,
                     case-indepentent,
                     must be quoted if it contains spaces,
                     multiple names and wildcarding are allowed

    LIST    or L     lists all or selected commodities,
                     may be combined with other commands

    VERBOSE or V     like LIST, but with more infos

    POPUP   or P     like "Show Interface" in Exchange

    HIDE    or H     like "Hide Interface" in Exchange

    ENABLE  or E     like "Active" in Exchange

    DISABLE or D     like "Inactive" in Exchange

    REMOVE  or R     like "Remove" in Exchange

    TOGGLE  or T     toggles Active/Inactive status


    Only ONE command is allowed at a time!
    That means only the first command found will be executed.
```
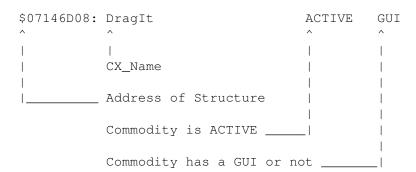
List format:

```
      $07146028: MultiCX                 ACTIVE    GUI
      $071460B0: Arq 1.79                ACTIVE    NOGUI
      $07146138: Magic Menu              ACTIVE    GUI
      $071461C0: CycleToMenu             ACTIVE    GUI
      $07146248: Exchange                ACTIVE    GUI
      $071462D0: DynamiCache             ACTIVE    GUI
      $07146730: MFS                     ACTIVE    GUI
      $071467B8: CrossDOS                ACTIVE    GUI
      $07146840: AlertPatch              ACTIVE    GUI
      $071468C8: CrossMac                ACTIVE    GUI
      $07146950: PowerSnap               ACTIVE    GUI
      $071469D8: ClipHistory 0           ACTIVE    GUI
      $07146A60: Clipbook                ACTIVE    GUI
      $07146AE8: SwazInfo                ACTIVE    GUI
      $07146B70: ToolManager             ACTIVE    NOGUI
      $07146BF8: PrinterManager          ACTIVE    GUI
```

```
      $07146D08: DragIt                    ACTIVE   GUI
      ^             ^                       ^         ^
      |             |                       |         |
      |             CX_Name                 |         |
      |             |                       |         |
      |_____ Address of Structure       |         |
                                            |         |
              Commodity is ACTIVE _____|              |
                                                      |
              Commodity has a GUI or not _____|
```

Verbose list format:

```
  $07157418: MultiCX                  ACTIVE   GUI
   : MultiCX 2.0 - ©1995 by Martin Berndt (Adds many nice features)
```


```
------------------------------------------------------------------------
                              History
------------------------------------------------------------------------
```

1.0   - initial release

1.1   - implemented wildcarding
           Some AmigaShell replacements need quotes around wildcards!

1.2   - changed command template,
           verbose list implemented

1.3   - implemented TOGGLE option

```
------------------------------------------------------------------------
```