Aquamacs Emacs: What's New in This Release

Changes— 2.3

- Compatibility fixes (title and toolbar in windows) with Mac OS X 10.7 "Lion". Patch by Bob Halley and Jan Djärv.

- Correct substantial display problems that occured when the cursor type was set to 'box' shape. Reported by many people (thanks).

- Enable Services menu functionality. Patch by Jan Djärv.

- Display text behind a filled box cursor in the background color.

- Allow 'cursor-type' to be set to (bar . WIDTH) with an arbitrarily large width. Reported by Konrad Podczeck.

- Fix insertion of the Euro sign with Option-e under emulate-mac-*-keyboard-mode. Reported by Viktor Rosenfeld.

- Fix an issue where the selecting another frame by mouse click after selecting a region of text by mouse failed to switch the menu over to the different buffer. Patch by Konrad Podczeck

(continued on the next page)

Aquamacs: an Emacs distribution for Mac OS X

Support is available Help menu and in the Aquamacs Wiki (for configuration questions): (http://aquamacs.org/wiki). There is also the Emacs-on-OS X Mailing list. Subscribe here: http://email.esm.psu.edu/mailman/listinfo/macosx-emacs

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Bug reports should be sent using Help ⇒ Diagnose and Report Bug ⇒"Send Bug Report".

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Authors: Aquamacs is based on GNU Emacs 22, a project led by Richard M. Stallman, Stefan Monnier and Chong Yidong and developed with the help of many others. Aquamacs development, started in 2005, is led by David Reitter, who is supported by a number of enthusiastic developers, designers and users.
We try to attribute changes to the contributors to the best of our ability. Externally maintained packages are often the work of many others. Un-attributed changes in this change log were by David Reitter.

and Chong Yidong.

- Correct ODB support for external editors ("Error during notification"). Reported by Alan Schmitt, Don Morrison, et al.

- Updated ESS (Emacs Speaks Statistics) to version 5.13.

- 2.3a: Fixed regression involving selecting text and yanking (pasting) from the clipboard. Reported by Marinos Koutsomichalis and Tom van Vleck.

Changes— 2.2

- Improved fullscreen mode: addresses rare display issues (related to scrollbars), crashes after switching back from fullscreen mode, and empty menus during fullscreen mode. Note that multiple frames may be shown in fullscreen mode (switch with, e.g., A-'). Code by Daisuke Murase and David Reitter. Suggested by many.

- *Improvements to working with Frames and Spaces:*

  - Repeated cycling between frames (forwards with A-') now cycles through all frames rather than just the two most recent ones. Suggested by many Aquamacs users.
  - When deleting a frame in one space, Aquamacs no longer switches to another space if there is one (10.6 only).
  - When opening a frame via drag&drop or the terminal command-line, Aquamacs now shows the frame in the currently active space if 'one-buffer-one-frame' or 'tabbar-mode' are on (10.6 only).
  - No more unnecessarily space switches away from a new frame created after drag&drop, Finder or terminal-based opening of files in certain situations. Patch by Ted Middleton.
  - The menu bar works again after switching away to a space without an Aquamacs frame on it.

- *Spell-checking improvements:*

  - Ability to ignore misspellings on a per-buffer basis, using buffer comments, has been added to the spelling context menu: "Ignore Spelling & Comment Buffer". Suggested by Konrad Podczeck.
  - "Check Spelling While Typing" ('flyspell-mode') is now automatically activated when "Spellcheck Now" ('flyspell-buffer' or 'flyspell-region') is run with the default OS X spellchecker. Customize via variable 'flyspell-mode-auto-on'.

- Aquamacs starts up faster.

- Aquamacs can now be used as external editor to ODB-enabled applications such as most FTP clients, Apple XCode 3.x, and other programs in need of an editor. (Some applications may require changes to recognize Aquamacs–contact their makers to ask for support.)

- There is a function in the Help / Diagnose menu now to debug one's preferences (init) files such as `Preferences.el` or `.emacs`. This starts a new Aquamacs process, which, as the one started without customizations using its own menu entry, is no longer dependent on the primary one. Code by Ze'ev Celementson.

- The manuals have been unified in order to provide cross-manual keyword search (Help menu). Also (reported by Joseph van Andel), links to separate manuals (such as Tramp, CC Mode and many others) now work: those manuals are now included as Apple Help variants.

- Users can now edit all existing user-editable preferences files (`Preferences.el` in various places, and `.emacs`) using a new menu entry in the Help/Diagnose menu.

- In case Aquamacs crashes, a detailed bug report can usually be sent upon the next program start.

- The Copy as HTML function (Edit menu) now copies the region with all formatting such that the formatting is preserved in other (Cocoa) applications.

- Aquamacs can now be configured to not kill a buffer when its last window is deleted through commands such as 'close-window' (Command-W). Set the new customization open 'delete-window-preserve-buffer' to `t` to retain buffers. Suggested by José M. Figueroa-O'Farrill.

- When using `emacsclient -t` to connect to a running Aquamacs session from the terminal, entering the minibuffer no longer produces an error. Reported by Stephen T.

- When hollow cursors are used, ensure that the glyph underneath the cursor remains visible. Reported by Marcin Koziej.

- A rare issue where the wrong images (e.g., a "redo" toolbar button in place of a tabbar tab-close button) where displayed, has been addressed.

- Find-file (C-x C-f) with a file that is already visible in another window now switches to that window again ('one-buffer-one-frame-mode' being on). Reported by Dan Coe.

- Cursor movement (up/down) is more precise in terms of horizontal placement. Reported by Matt Crawford.

- Improved compatibility of the language-layout specific keyboard emulation modes. Reported by Santiago Gaviria.

- Html Helper Mode: Improve recognition/update of time stamps in files. Patch by Dave Mason.

- nXhtml Mode is now included (to use, type `M-x nxhtml-mode`. Version 2.08 (04/2010). This also provides *Multiple Major Modes*.

- Compatibility with Emacs Code Browser has been improved (menus appear correctly, cursor blinks and windows retain selection). Reported by Martin Sivak.

- Exporting to a temporary buffer in 'org-mode' no longer fails, nor does calling 'normal-mode'. Reported by Jeff Horn and Lawrence Mitchell.

- AUCTeX now supports Ghostscript 9.01. Fixed by Denis Rosset.

Changes— 2.1

To all supporters: thank you so much for your donations. See also: `http://aquamacs.org/donations.shtml`. To all users and hackers: Thank You for your support! We appreciate your bug reports, success stories, ideas and code.

- Aquamacs is now optimized further for speed on machines with Intel processors: It starts up faster and also executes lisp faster (up to 50% in some situations).

- The "Line Numbers" item in the Options/View menu now turns on 'global-linum-mode', displaying line numbers to the left of each buffer line. Suggested by Konrad Podczeck.

- Copying bug reports and other mail to the pasteboard in order to send them with GMail or another mail program now works reliably. Reported by Matt Mollison.

- C-x s ('save-some-buffers') and other functions that ask questions applying to a series of items accept the ! command again to apply the action to all items (e.g., save all buffers). Reported by Michael Kohlhase.

- Users should now experience no more trouble binding the new Aquamacs version to file types with the Finder's "Open With" and "Change all" functions when earlier versions of Aquamacs are present. In case of persistent issues, we advise to reset the LaunchServices database with the 'lsregister' command as described here: http://www.macosxhints.com/article.php?story=20071102084155353 Reported by Arthur Ogus

- The Spellchecking context menu (flyspell-mode / Check Spelling While Typing) now shows suggested alternatives in the right order.

- The LaTeX icon in the toolbar changes again when toggling PDF mode. Reported by Gabriel Cardona and Konrad Podczeck.

- Jumping to the exact source/PDF position with Skim now works even in multi-file LaTeX projects where files are in different locations. Reported by Brad Miller and Jeffery Kline.

- Setting frame position and size in 'default-frame-alist' (and elsewhere) now works again. Reported by Konrad Podczeck.

- Fixed "Join Windows" menu item (was: "Remove Splits").

- PHP-mode has been updated to version 1.5.0.

- Files opened from the command line or via the Finder will be shown if they are already visible in a tab or in any other window; unless 'Show Buffers in New Frames' (one-buffer-one-frame-mode) is enabled, Aquamacs no longer creates a new frame for those files. The customization variable 'dnd-open-file-other-window' can be used to control the behavior. Reported by Mike Pelican.

- With all frames closed, minimized or on other spaces, Aquamacs now recognizes key commands again. If the minibuffer is needed, a frame showing an *empty* buffer will appear. This buffer is always read-only and, unsurprisingly, rather empty.

- Frames are now cycled in order of their last selection, rather than their creation. Selecting a frame and deleting it will, for instance, select the previously selected frame. Cycling with A-' ('next-frame') will cycle accordingly. Reported by Konrad Podczeck and David Eyk.

- Haskell-mode has been updated to version 2.7.0. Suggested by Johannes Krause.

- Menu-bar-mode, not supported in Aquamacs, will no longer cause problems for people who try to switch the menu bar off in their customizations.

- The cursor is now drawn correctly when 'line-spacing' is set.

- Aquamacs no longer hangs in some situations when using 'ispell'.

Changes— 2.0

Aquamacs is now based on Emacs 23 and the Cocoa NextStep port. There are many changes under the hood associated with this, but also a plethora of visible improvements. Major ones, and those pertaining to Aquamacs specifically, are listed here. Further changes can be found in the NEWS file for Emacs 23.

Major User Interface Improvements

- Spell-checking now uses the system-wide dictionaries in all the languages supported on OS X. The standard spelling user interface is available as well as the traditional Emacs 'ispell' interface (which also uses the system-wide spelling mechanism). Configure the use of GNU 'aspell' through the 'ispell-program-name' variable if desired.

  Code by Nathaniel Cunningham.

- Aquamacs has a new icon in the Dock, designed by graphic designer Jessica Walker (jekawacaneer@gmail.com).

- The Aquamacs application has been renamed to *Aquamacs.app* (from Aquamacs Emacs.app).

- Dialogs have been vastly improved: they appear as sheets over the frames where they belong, contain better UI elements (as in the case of the dialog displayed before quitting Aquamacs, which was once called "dialog from hell" before receiving a makeover). The standard Enter, Space and Esc keys (and more) are supported. "File Save" panels also appear as sheets.

- Toolbars can now be configured through the normal customization panel. Right-click on the toolbar, use the Options/View menu item (or use M-x ns-tool-bar-customize). The chosen icons are persistent; toolbar customizations are, however, tied to the toolbars set by modes. That means that users can chose a different set of icons to display in latex-mode, for instance. The 'ns-tool-bar-display-mode' variable now supports label-only toolbars. Right-click on the toolbar to change; or use M-x customize or `Preferences.el` to set it to 'labels' in order to only show labels. The former meaning of this value (showing labels and icons) is now 'both' (or, usually, nil, the default).

- Fonts and colors of all (mode-specific) faces can now be configured using the standard font and color panels. The Options / Appearance menu provides a function to show the font panel, which leads to buttons for foreground and background colors. We also have a menu item for the color panel separately, from where colors can be dragged&dropped directly onto any piece of text to customize its face. Holding down the Option key will, instead, set the face's background color.

- The printing system has been revised; the standard print and page setup dialogs are used inside the application. The print dialog now appears more quickly. (Note: over-long lines will always be wrapped at word boundaries when printing. Clipping or horizontal pagination are not supported at this time.)

- Line wrapping is now set to Truncate, Wrap, Word Wrap and Line Breaking (auto fill) under *Options / Line Wrapping* for the current buffer. A *Set as Default* will set it as default for all buffers that have no explicit line wrap setting. As before, there is also a setting to detect word wrap in text files. When it is on, Aquamacs detects the wrapping style of text-mode buffers automatically, but prefers word wrapping (see the customization variable 'auto-word-wrap-default-function'). Word Wrapping translates to 'visual-line-mode' internally now, and the former Aquamacs 1.x mode of the same name now corresponds to a customization variable called 'line-move-visual', which is enabled by default. 'Longlines-mode' is obsolete. Users with manual customizations should adjust their settings. Fine control can be achieved by customizing 'visual-line-mode', 'word-wrap', 'truncate-lines', and 'auto-fill-mode'.

Key Bindings

- It is now possible to customize behavior of right Option/Alternate, Command and Control modifiers independently of the left ones using new entries in the (renamed) "Option, Command, Meta keys" menu (in Options) or the new customization variables named 'ns-right-alternate-modifier' (etc). Patch by Marcin Koziej.

- Even when the Option modifier keys are set up to be handled by the system (rather than being Meta - see Options - Option Key menu), Option-Arrow and Option-Delete key combinations lead to wordwise operations (they are recognized as Meta). (Set the new 'ns-alternate-meta-special-codes' to nil to disable.)

- Note that Word Wrapping ('visual-line-mode') affects the function of the cursor movement keys (arrows, and C-a, C-e, C-p and C-n). In Aquamacs, this can be easily customized. The default is as such:

  - In Word Wrapping (visual-line-mode), C-aenp and arrow keys move according to visual lines.
  - Without Word Wrapping (visual-line-mode off), arrow keys move visually, but C-aenp move non-visually according to buffer lines as in Emacs 22 and Aquamacs 1.x.

  Users may configure this behavior via the (new) 'line-move-visual' customization variable. Set it to *t* for unconditional visual movement of all keys, and *nil* for unconditional logical (buffer) movement of all keys.

- Keyboard bindings are displayed more consistently in the menus now. Throughout Aquamacs, Mac standard key descriptions are used (this may be configured using the variable 'ns-use-mac-modifier-symbols'). Users should be aware that manuals and tutorials will often refer to keys such as C-x (X̂ or Control X), and that keys like M-q correspond to the chosen Meta key modifier, normally the Option key.

- Tabs are now available via the A-1..9 (Command-1..9) keybindings. 'Split-window-vertically' is now bound to A-M-2 (Command Option 2), 'split-window-horizontally' is A-M-3 (Command Option 3).

- Command-~ now cycles backward to the previously selected frame ('raise-previous-frame'). Patch by Matthew Dempsky.

- Command-Meta-; now runs 'flyspell-buffer', which marks all misspellings in the current buffer. Patch by Nathaniel Cunningham.

- Command-PageUp/PageDown now jump to the beginning or end of the buffer, respectively ('beginning-of-buffer', 'end-of-buffer').

- When 'osx-key-mode' is switched off, 'x-select-enable-clipboard' is restored to its (new) default value, *t*. That means that kill and yank operations (C-w, C-y, mouse text selection and more) are integrated with the Mac pasteboard. When 'osx-key-mode' is on (as is default), everything is as in previous Aquamacs versions: the standard copy&paste operations (A-c, A-v) use the system pasteboard, while the killring operations from traditional Emacs do not. Suggested by José M Figueroa-O'Farrill.

Editing and Major Modes

- Internally, Emacs is based on a superset of Unicode now. Emacs also uses Cocoa, a modern technology that facilitates program development and maintenance, supports 64-bit computing on Macs and allows for better integration of applications with the operating system and other applications.

- Semantic features and Project Support (EDE) are now included in Emacs and available from the Tools menu. Note that the JDEE plugin distributed with earlier versions of Aquamacs is not compatible (and prevents functioning of the new functionality. You should remove it (from `/Library/Application Support/Aquamacs Emacs/JDEE`) or update to a new version of the plugin.

- AUCTeX has ben updated to version 11.86 (was: 11.85). LaTeX editing has become more comfortable with this version. For the details, please see `http://www.gnu.org/software/auctex/manual/auctex/Changes.html`. The new version improves synchronization with viewer programs. Internally, Skim.app integration has changed: Skim is always used for all View commands (like C-c C-v) if it is already running (customize variable 'TeX-view-program-selection' to control this). 'TeX-source-correlate-mode' is on by default in Aquamacs (disable by customizing 'TeX-mode-hook': remove 'aquamacs-latex-viewer-support'). To manually change the Viewer used for various kinds of files (DVI, PDF, PS), select "LaTeX" / "Customize" and navigate to "TeX Command", "TeX View", "TeX View Program Selection". There, choose, for instance, Xdvi for the viewer in DVI mode, Skim or Preview for PDF mode.

  Patch by Konrad Podczeck and David Reitter.

- TeX / LaTeX macros are now found more reliably when using TeXLive ('TeX-macro-global' is configured differently). Reported by Wolfgang Meiners.

- LaTeX master files in different directories are now found reliably when calling 'Jump to PDF'. Reported buy Mac Pigman.

- Aquamacs uses "Python-mode" by default now for Python source files. Users who prefer the original Emacs python package can switch by including (`require 'python`) in their `Preferences.el` file. Code by Barry Warsaw.

- Emacs Speaks Statistics (ESS) has been updated to version 5.8 (was: 5.3.10). Refer to the ESS website for changes (`http://ess.r-project.org/Manual/readme.html#New-Features`).

- Ruby mode has been revised to match and track the latest version included with GNU Emacs.

- Many more improvements between Emacs 22 and Emacs 23. See etc/NEWS at `http://www.gnu.org/software/emacs/NEWS.23.1`. NB, many of the items listed there do not apply to Mac OS X.

- DocView mode is no longer used to display PDF and other files (it didn't work well).

- `.wiki` files now open in wikipedia-mode.

Miscellany

- Aquamacs 2.x requires Mac OS X 10.6, or 10.5.8 or later. (OS X 10.4 users may compile from source at their own risk.)

- When printing, double spaces are formatted as such and can be used to align text. Reported by George Nurser.

- HTML and PDF export functions have changed: PDF export can be achieved as in any Mac application via the Print dialog. Use the new *Copy as HTML* function in the *Edit* menu to copy formatted text including all the coloring into the clipboard in HTML format. Many other applications, including presentation software, can then display the formatted text and keep it editable.

- Fullscreen mode works largely as before in Mac OS X 10.6; in older versions of OS X, it will unconditionally take over the full screen (Dock and menu are not visible). *Note: there are known issues related to scrollbars when returning from fullscreen mode. These will be addressed in the next version of Aquamacs.*

- 'aquamacs-find-file' (C-x C-f) will ask for confirmation if you first complete partial filename input in the minibuffer, but then attempt to create a new file.

- Completion is, in many cases, more powerful by completing to the left *and* the right of the input string. Customize the option 'completion-styles' to control this.

- As per Emacs 23, Aquamacs now supports multi-file commits in distributed version-control systems through the VC-dir package.

- Users who have included 'turn-on-auto-fill' or 'turn-on-word-wrap' in their customization of 'text-mode-hook' or other hooks are advised to change this to 'set-auto-fill', or 'set-word-wrap', respectively. These functions are more comprehensive and disable (usually) nonsensical alternatives.

- A new customization variable 'aquamacs-default-major-mode' is provided to set the default major mode of newly opened, empty buffers. (We recommend keeping 'default-major-mode' at 'fundamental-mode'.)

- The appearance of the echo area (at the bottom of each frame) can now be configured via M-x customize-face RET echo-area RET. Besides the echo area in general, note the more specific faces 'minibuffer-prompt' and the new 'minibuffer' face.

- The Aquamacs Help books (Apple Help) are now displayed more reliably when multiple versions of Aquamacs are present on the system. The Emacs Lisp Reference as well as the Emacs Manual are up to date.

- Auto Save files are now stored in /Library/Caches/Aquamacs Emacs. This way, they survive reboots such as after system crashes (kernel panics, etc.). Reported by Neil Best, Justin Pitts and Richard Busby.

- Auto Save files and Session files are purged after 31 days.

- In some circumstances, point position was changed when switching back and forth between tabs directly and also via other buffer-switching mechanisms such as opening new files.

Changes— 1.9

- Copy (Command-c) works again reliably for text selected by mouse. However, the previous improvement avoiding duplicate entries in the kill ring has been reverted. Reported by Tom van Vleck.

- Jumping to a LaTeX error after compilation works more reliably now. The LaTeX-command setting has been changed to include 'file-line-error' style. Suggested by Enrico Franconi.

- Recognize Objective C files (extensions .m and .h) by their content. Patch by Kendall Gelner and D.R.

- Automatic word wrapping works better in large hard-wrapped (auto-fill-mode) documents with occasional (6+) over-long lines.

- The Apple Help books (for Aquamacs, Emacs and the Emacs Lisp Reference) now work on 10.6 "Snow Leopard". Reported by Philippe Sismondi.

- Aquamacs now by default enables synctex when compiling latex documents.

- CSS-Mode has been revised to match the GNU Emacs 22/23 CSS mode.

Changes— 1.8c

- Tabs are now directly accessible using keys A-M-1,2,3...9,0 (normally: Command-Option-1,2,3...9,0). The number of each tabs is marked. For configuration, see the new customization variable 'tabbar-show-key-bindings' and the function 'tabbar-define-access-keys'. For instance, use `(tabbar-define-access-keys '(alt))` in your `Preferences.el` file to use Command-1,2,3.. bindings.

- Aquamacs now asks for confirmation when printing is requested via A-p. This helps avoid long waits for rendering with large buffers when A-p is pressed by mistake.

- On systems with faulty LaTeX installations, Aquamacs will now do a better job at choosing the right TeXLive (or legacy teTeX) binaries.

- When scrolling back and forth page-wise, the point will now end up in its previous position.

- Command-, can now be re-bound via the normal Aquamacs key maps ('osx-key-mode-map') . (Note that even if rebound, the application menu will still show the A-q and A-, key bindings for Quit and Preferences, respectively). A-h remains unmappable for now. Reported by Chris Bernard.

- The mark is now deactivated when point is restored while switching tabs (in transient-mark-mode, which is on by default).

- Command-C (clipboard-kill-ring-save) will take care not to create duplicate entries in the kill ring. Reported by Konrad Podczeck.

- Fixed a rare failure of dired to view directories. Reported by Uwe Pieczynski.

- Fixed a startup failure when environment variables with values where used that could no be encoded with the coding system assigned to the system's "input source" language. ('locale-coding-system' is now set according to the locale in the default login shell.) Reported by André Berg.

- Fixed an error when deleting the whole buffer contents while smart-spacing-mode was on. Patch by Jon Shea.

- Fixed a potential security hole in smtpmail. Code by Simon Josefsson.

- 'LaTex-mode-hook' can now be customized and saved through the customization interface. Reported by Bruno Cadonna.

- ESS (R-mode) will now retain an active mark (and region) after evaluating code, e.g. with C-c C-r.

- In the keyboard emulation modes that allow the mac-native use of Option on various keyboard layouts, while retaining Option as Meta key for Emacs, ESC key sequences always act as Meta sequences. For instance, with the German layout, ESC-l acts as 'downcase-word' (the original M-l binding), while Option-l inserts the @ sign.

- Adopting fonts as default fonts for frames: keep frames inside screen. Reported by Stefan Vollmar.

- The Aquamacs application bundle has shrunk by about 17 MB thanks to compression.

- Version 1.8b: Show more buffers in Window menu.

- Version 1.8b: Avoid slow-down of editing when Tramp is used to access a remote file. Reported by Alison Lister.

- Version 1.8b: Avoid hang during startup when remote, now inaccessible files were edited during a previous session. Reported by Christopher Menzel.

- Version 1.8b: org-mode is now used automatically for all `.org` files.

- Version 1.8c: AUCTeX is used again as latex-mode Reported by Herbert Korté.

Changes— 1.7

- Aquamacs now makes it easier for users to copy, cut and paste (and kill and yank) whole words, phrases or sentences by managing the spaces between words for them. Spaces are removed and automatically inserted where needed, whenever the new 'smart-spacing-mode' is turned on. The Options menu provides a setting to turn it on automatically for all *text-mode* and related buffers. To set a default for all buffers, configure the option 'global-smart-spacing-mode' using the customization interface.

- A problem that caused error messages upon startup and, sometimes, a failure to quit for some users (and only if Aquamacs was installed for the first time) was fixed. Reported by William Triplett, Kevin Brubeck Unhammer and Jean-Christophe Helary.

- Aquamacs now quits faster in some situations.

- JDEE, the Java Development Environment for Emacs is no longer included in Aquamacs but provided as a point-and-click installer plugin, which can be downloaded from the Aquamacs website. This reduces the size of the Aquamacs distribution, while maintaining an easy way for Java programmers to install the package. Note that JDEE also includes CEDET.

- Tabs showing a buffer that is mirrored in other windows will retain their position of point.

- With soft wrapping on (Options menu), M-q now calls 'unfill-paragraph-or-region', which has the same semantics as 'fill-paragraph-or-region' for hard wrapped text.

- C-z is no longer bound to minimize the frame. Users who require this feature can add the key binding in their `Preferences.el` file: `(define-key osx-key-mode-map '[(control z)] 'iconify-or-deiconify-frame)` (If you have bound C-z to something else using 'global-set-key', note that the new 'ignore' binding in 'osx-key-mode-map' will shadow this. You need to use 'define-key' as above.)

- Cursor movement is no longer sluggish when multiple windows are visible. Generally, Aquamacs should feel faster. Reported by Drew Hess.

- When clicking into an (unselected) window, Aquamacs no longer sets the mark and marks a region in the buffer in certain circumstances. Reported by Konrad Podczeck.

- Resolved a problem where clicking in the fringe to set a breakpoint when using C-mode in conjunction with 'gdb' (in the Emacs debugger) caused Aquamacs to crash. Reported by Eric Martin.

- 'gdb' and possibly other packages no longer fail to open certain additional 'special display' windows. Reported by Eric Martin.

- Aquamacs no longer opens additional windows when it opens files per drag&drop or as directed by another application (such as Finder), if these files are already shown in a buffer. Reported by Tim Hsu.

- Aquamacs no longer de-minimizes frames (from the Dock) when opening new files while all its frames are hidden. Reported by Tim Hsu.

- Documents printed or exported to HTML with soft word wrapping turned on will now also exhibit soft wrapping in HTML, and wrap as expected at the page boundary on printed pages. Reported by Enrico Indiogine.

- OS X will now more reliably recognize the latest installed Aquamacs version in order to open documents.

- Aquamacs now remembers more and longer undo steps (maximum undo memory and number of steps increased four-fold).

- The "dialog from hell", asking users whether they want to save a file, or all, or none, or view the file or the differences, is now less ridiculous and has a Cancel button. Whether the dialog is shown or the minibuffer is used, Aquamacs always shows the buffer that is up for saving.

- The command line tool (installed with the Tools menu) will now find Aquamacs whereever it is installed in the system. It will always use the latest Aquamacs Emacs that is known to the system. (As a side-effect, you cannot use the command in connection with "sudo" any longer. We recommend using Tramp.) Reported by Jean-Christophe Helary.

- Bug reporting, and generally, sending e-mail, works now for users whose default Email client is Gmail. Gmail receives special treatment because of a bug on Google's server.

- Charsets are given in HTML generated with "Export to HTML". Documents now validate as HTML 4.01 Strict.

- A rare display problem was fixed in cases of vertically split windows, with fringes and scroll bars turned off. Reported by Rolf Hanson.

- Autoface mode works better with major modes derived from other ones.

- More key bindings are now shown correctly in the menus (e.g., Undo/Redo).

- Python-mode updated to version 5.1.0. See also: https://launchpad.net/python-mode/+announcements.

- Haskell Mode updated to version 2.4. We also provide better integration of the mode (recognition of various file types). Maintained by Stefan Monnier.

- Prolog Mode 1.18 included with vast improvements (and some pre-configuration for Aquamacs). Suggested by Kevin Brubeck Unhammer. Code by Stefan Bruda et al.

- ACT-R major mode improved: it inherits 'lisp-mode' key bindings now. `.actr` files are recognized automatically.

- The Enhanced Carbon Emacs plugin is no longer loaded from `ec-emacs` directories, because it is incompatible with the latest Aquamacs versions.

Changes— 1.6

Display

- Tabs are now on by default in new installations. "Show buffers in new frames" (one-buffer-one-frame-mode) is off by default. Use the Options menu if you'd like to configure different settings. (That users who had previously installed and configured Aquamacs will retain their chosen settings.) Tab code by Nathaniel Cunningham, David Ponce and David Reitter.

- Aquamacs Styles have seen a major overhaul and are now called *Aquamacs Autofaces*. To recap, these autofaces apply settings such as fonts, background and foreground colors to buffers and the frames as they show the buffers. The settings are chosen according to the major mode used in the buffer. This makes is possibly to automatically edit prose texts (such as LaTeX) in a variable-width (proportional) font, but do one's programming (e.g., Python or C) in a fixed-width font. Refer below for a technical explanation of the change.

- The use of color themes is being phased out. While still included in Aquamacs, they are not available any longer from the Options menu. We recommend the new light-weight functions to set fore/background colors using the Options / Appearance menu.

- Fontsets are no longer defined on startup (with a few exceptions to ease the transition). If your frame settings ('default-frame-alist' and 'special-display-frame-alist') contain references to fontsets like `fontset-monaco12`, we recommend to remove them, e.g., via M-x customize-option.

- The font used for text in the echo area (the 'default' face) is now Lucida 13pt, as is customary on the Mac. Note that the size of this font is used to express frame geometry settings, so this may need manual adjustment. The font used for major modes that do not have a special setting (the 'autoface-default' face) is Monaco, so that buffers are generally shown in a monospaced font. The default for certain other modes such as 'text-mode' (face: 'text-mode-default') and 'latex-mode' (face: 'latex-mode-default') is Lucida 13pt. You may change these settings using the font settings in the Options / Appearance menu, and also using M-x customize-face.

- There is a new function (in Options / Appearance) that will "Adopt the frame parameters as default" for all new frames. Note that this will set 'default-frame-alist' (or 'special-display-frame-alist'). These settings will be saved in the customizations file with "Save Options". Emacs hackers need to be aware that such customization settings override any settings in `.emacs` files (but not those in `Preferences.el`).

- Zoom: press Command-+ (or Command-=) to zoom in, and Command-{}- to zoom out, changing the font size of the text shown. You can also use your Meta key (normally Option) and the mouse wheel. This zoom applies just to a buffer and frame.

- The line where the point (cursor) is can be highlighted with 'highline-mode', available via Option / Show/Hide / Highlight Lines ('global-highline-mode'). Code by Vinicius Jose Latorre.

- Fringes now blend with the rest of the window (background color). Customize the 'fringe' face if you'd like more pronounced fringes.

Configuring and Extending Aquamacs

- New (text-mode) buffers will have soft word wrap enabled (rather than hard auto-fill mode), in line with the standard way of text editing on the Mac. Soft word wrap is also used for opened files as a default, when the wrapping mode cannot be determined automatically. (Customize 'auto-word-wrap-default-function' to nil to change this back.)

- More user-installed files (in the `/Library` and `/Users/.../Library` folders now take precedence over Aquamacs-supplied packages. Specifically, user-supplied packages contained in subdirectories, including an AUCTeX distribution (must be compiled) are loaded when present. Thus, almost all packages that come with Aquamacs can now be replaced. Warning: supplying your own packages may cause errors.

- A new function in the Tools menu will install a small tool that allows users to open files in Aquamacs from a shell (command-line / Terminal). The command format is `aquamacs filename.txt`.

- The Options menu has been restructured. You can now find the functions "Enter Debugger on Error" and "Enter Debugger on Quit" in the "Help / Diagnose and Report Bug" sub-menu.

- When started from a shell (e.g. in a terminal), 'default-directory' will be the inherited from the shell. Reported by Robert Goldman.

- Aquamacs can now automatically select the frame and window over which you move your mouse cursor, as provided by Apple's Terminal.app and by many X11-based window managers under Unix and GNU/Linux. We now include the 'follow-mouse' package with a few extensions to make it work on the Mac. You can turn it on with a simple `(turn-on-follow-mouse)` in your Preferences.el file.

- The "vl" indicator in the mode-line has been removed. 'global-visual-line-mode' is on by default in Aquamacs.

- The mode-line now shows "Wrap" to indicate that soft word wrapping ('word-wrap') is on in the buffer. Word wrapping can be toggled with C-x w now.

- There is a new menu item to customize Aquamacs-specific options (as compared to GNU Emacs defaults) in the Options / Customize Aquamacs menu.

- To see only labels (and not icons or icons and labels) in the tool-bar, use this setting in your `Preferences.el` file:

```
(setq mac-tool-bar-display-mode 'labels)
```

Note that this used to cause labels and icons to be displayed. The variable value for labels and icons is now `both`.

- Note that the 'cl' library is no longer loaded by any of the default packages that come with Aquamacs. As a result, you may need to insert `(require 'cl)` into your `Preferences.el` file to load this package manually if you use any of the Lisp style functions or macros provided therein.

Major Modes

- SLIME, the Superior Lisp Interaction Mode is no longer included in Aquamacs but provided as a point-and-click installer plugin, which can be downloaded from the Aquamacs website. The SLIME developers do not release validated versions; the SLIME plugins available from the Aquamacs website are development builds that are updated regularly.

- Wikipedia mode (version 1.5 plus Aquamacs modification) included. This can be used to edit text for Wikipedia and other Mediawiki wikis. Start with M-x wikipedia-mode. Code by Chong Yidong, Uwe Brauer.

- Python mode has been updated to use 'python-mode' (as found on Launchpad). Reported by Jin Choi. Python-mode Code maintained by Barry Warsaw. Research by Skip Montanaro.

- Emacs Speaks Statistics (ESS) has been updated to version 5.3.10 (was: 5.3.6). Refer to the ESS website for changes (http://ess.r-project.org/Manual/readme.html#New-Features).

Bugfixes and Miscellany

- Aquamacs has a smaller footprint; The download is about 7 MBytes smaller; the installed program about 4 MBytes.

- Aquamacs will now start up again for use in a terminal (-nw argument). Reported by Ian Soboroff.

- The "Check for Updates" menu item in the Aquamacs menu should work in all circumstances now.

- Fullscreen mode (A-S-Return, or Window menu) works again on all secondary displays.

- Dragging and dropping more than one file or opening several files from a terminal with Aquamacs with tabbar-mode will now lead to all files being shown in tabs, not just the last one.

- Command-1 ('aquamacs-delete-other-windows') no longer hides the tabbar in certain circumstances.

- Re-opening files already shown in a buffer or switching to buffers will bring up their tab, even if the tab is shown in another frame.

- An issue was addressed that could lead to the wrong tab being selected after killing or renaming a buffer. The problem was evident with 'find-alternate-file'. Reported by Tao Peng.

- C-e (end-of-visual-line) will now work correctly in the last line of a buffer that does not end with a newline. Reported by Raymond Namyst.

- Command/Control-left/right will jump to the beginning or end of the visual line, respectively, rather than to the beginning or end of the buffer line. Reported by Jean-Christophe Helary.

- When soft word wrap ('word-wrap') is off (see Options menu), then C-k (kill-visual-line) and Command-Backspace (kill-whole-visual-line) now behave like their non-visual counterparts, i.e. they delete the whole (rest of the) buffer line, rather than the visual line. This is in line with the extant behavior of C-a and C-e. Reported by Tom van Vleck.

- When Aquamacs is given files from the command line or by some drag'n'drop event while no frames are shown, it now only shows a new or pre-existing frame with the new file(s) rather than two frames. Reporter unknown (thanks for letting us know though).

- Page-wise scrolling (PgUp, M-up, aquamacs-page-up and friends) now works correctly when faces with different sizes are used in buffers, such as in LaTeX-mode. (Note that the 'pager' package is not used any longer. While the screen position of the cursor should be preserved in most cases, this is not perfect. 'pager' can still be activated using `(require 'pager)` in Preferences.el.

- C-a (beginning-of-visual-line in 'visual-line-mode' which is the default) will now always skip a prompt (e.g., in shell-mode) at the beginning of the line.

- Moving the cursor up and down failed in certain situations involving side-by-side windows in a frame. Reported by Jin Choi.

- Beginning/End-of-line movement commands don't signal an error any longer in visual line mode (so there is also no echo area message).

- Functions like 'enlarge-frame' are bound to A-C-left/right/up/down (Command-Control) in all cases (and depend on osx-key-mode).

- The mouse cursor changes its shape when over buffer text.

- The Options / Show/Hide menu is now called View. Suggested by Jean-Christophe Helary.

- Changed fringe mode is now recongized when options are saved. The fringe menu was revised.

- Options -¿ Save Options will always save the options now (whether considered needed or not).

- Scrolling with the mouse wheel now works without first selecting the frame – just move the mouse cursor over the window. (N.B., 'mouse-wheel-follow-mouse' only applies to windows, not to frames.)

- Maintaining full-screen frames across sessions works again; as does opening additional frames when the current frame is in full-screen mode.

- 'ediff' (Tools menu, under "Compare") no longer brings up additional controller frames. This fix may also improve the function of other modes that use a complex set of frames. (By popular demand.)

- Info-mode is now compatible with the tabbar.

- Desktop-save-mode does not open additional scratch buffers any longer. Reported by Ivan Werning.

- Auto-save files (usually named `#filename#`) are now saved in a temporary directory, out of sight of the user.

- We forgot to offer to save newly created buffers when removing them (Command-W (close-buffer) or killing) after their major mode was changed.

- Showing a dired buffer with "Show Buffers in New Frames" (one-buffer-one-frame-mode, OBOF) enabled could lead to the minor mode (OBOF) being turned off unexceptedly.

What's behind the change from Aquamacs Styles to Aquamacs Autofaces? Technical explanation: the core functionality of changing fonts and fore/background colors (in short: faces) is now provided by the new 'aquamacs-autoface-mode'.

How does the new *autoface* mode differ from the *styles* mode? Font and color settings now apply primarily to the default "face" used in the buffer. For each major mode, a new face is defined. For instance, the default face for LaTeX buffers is called 'latex-mode-default'. These faces can be edited directly via the Options menu (to choose a font and some new entries to choose fore- and background colors) or even with M-x customize-face. These changes apply automatically and immediately to all buffers in the given major mode. In contrast, the *styles* mode used to set frame-wide parameters, including the font, fore- and background colors, and change these parameters in a frame according to the buffer shown in the first window within the frame. Frame parameters also included the presence of a toolbar, cursor color, fringes, and the like. These are not available in the new mode. Previously, colors of a whole plethora of faces for various occasions could be chosen via the 'color-theme' package. These were needlessly tied to major modes using 'aquamacs-styles'.

One advantage of the new, lightweight implementation of 'autofaces' is that switching between buffers (e.g., with tabs) is smooth and does not lead to ugly frame resizing effects. Multiple windows in the same frame can now display their buffers in the correct fonts.

Transition: relevant mode-specific settings from 'aquamacs-styles-mode' are automatically imported. The now deprecated functionality of 'aquamacs-styles-mode' (changing frame parameters including the visibility of the toolbar) is still available to users by inserting

```
(require 'aquamacs-styles)
(aquamacs-autoface-mode 0)
(aquamacs-styles-mode 1)
```

into their `Preferences.el` file. Users can also access color themes with M-x color-theme-select, but note that faces set using 'aquamacs-autoface-mode' will override foreground and background colors.

Changes—1.5

- Aquamacs now handles paragraphs better that are stored as single lines in the buffer: these very long "lines" are shown as paragraphs, with words wrapped were appropriate. The wrap functions in the Options menu will use the new technique. As a result, line numbers shown in Aquamacs correspond to line numbers in the file. Also, word wrap will work better now with variable-width fonts. Syntax highlighting is now correct in all situations, because it is based on the line separation in the underlying file and not on what's displayed ('longlines-mode' is not used any longer; a new variable 'word-wrap' controls the display-time word wrapping.) Code by Kim F. Storm, Chong Yidong, David Reitter.

- The end of file lines (newlines) or paragraph endings in soft word wrapping can be visualized via Option / Show/Hide / Show Newlines ('global-show-newlines-mode').

- Symbols in the fringes have been adapted to look less conspicuous. (These are the indicators to the left and right of text lines.) Code by Kim F. Storm.

- The "small left fringe" setting in the Show/Hide menu works again as intended.

- Automatic wrapping detection (hard word wrap = auto-fill, vs. soft word wrap) improved. A new customization option 'auto-word-wrap-default-function' may be used to configure the default, which is hard word wrapping.

- Navigation in buffers (up/down) optimized and improved. This is also a new buffer-local mode ('visual-line-mode'), which is enabled globally ('global-visual-line-mode'). That's also what the "vl" mode line indicator stands for.

- Command-Backspace will remove the whole visual line now ('kill-whole-visual-line'), while Command-Shift-Backspace will remove the entire buffer line (which may be a paragraph, when soft wrap is on).

- Environment variables are imported again in most situations despite bugs in OS X / Emacs. This issue could cause LaTeX calls to fail. The *Messages* buffer contains helpful notices. Reported by Thomas S. Dye and others.

- An issue where pressing M-Backspace (especially in the minibuffer) could lead to an error message has been resolved.

- An issue where the Mac (system) input method would automatically switch to US or Romaji (in Japanese modes) has been resolved.

- An issue where a "buffer is read-only" message appeared when quitting Aquamacs after some buffer was printed has been resolved.

- The frame size, which is retained across sessions, is not limited to what is available on the screen: frames cannot be bigger any longer.

- A toolbar item to revert the buffer (M-x revert-buffer) is now available (configure with Options / Show/Hide / Toolbar items)

- isearch, when entered with C-s or C-r, will not cause the region to be set to the search match any longer; the region is, however, set when isearch is entered with A-f, A-g or A-G. The behavior can be controlled with the new customization variable 'set-region-to-isearch-match'.

- The Help menu (in "Diagnose and Report Bug") provides a way to start another Aquamacs Emacs instance without any personal customizations. This should be used to reproduce any potential bugs before reporting them.

- LaTeX configuration (standard paths) simplified.

- Auto Frame Styles are turned on automatically when the user chooses to retain frame settings (colors, fonts) for a mode or as a default.

- After deleting a tab, the previously selected buffer in a window is selected when possible, rather than the rightmost tab. This resembles tabs in Firefox rather than tabs in Safari. It is more consistent with Emacs and makes life easier for users of packages that expect the previous buffer on the stack to be selected rather than what's in the tab that happens to be at the right edge.

- Tabs and Windows can now be removed without killing the buffer shown (Window or tab context menu: Hide Tab, Emacs function 'tabbar-delete-current-tab').

- Command-W ('close-window') will now delete the selected window and, if there is only one window in the frame, the frame. When 'one-buffer-one-frame-mode' and 'tabbar-mode' are off, it will not kill the buffer (or even ask to save it). The frame's red "close" button will close all windows in the frame. This should be convenient for traditional Emacs users. *Note that C-x k can still be used to just kill a buffer without affecting its window.*

- Clicking the red 'close' button will now attempt to kill all buffers shown and remove the frame when 'one-buffer-one-frame-mode' or 'tabbar-mode' are on. Because the mouse was used to start the action, dialog boxes are now shown in this situation to ask about saving the buffers, rather than minibuffer prompts.

- When 'one-buffer-one-frame-mode' is off and tabs are on, killing the buffer (e.g., with C-x k) will now not remove the window and frame any longer (unless Command-W ('close-window') is used. Reported by Ian Eure.

- Burying buffers does not always lead to deleting a window any longer when 'one-buffer-one-frame-mode' is turned on.

- 'find-alternate-file' (C-x C-v) now works correctly when tabs are used. Reported by Ian Eure.

- Command-Backspace ('kill-whole-visual-line') will not work in Comint and related modes that display a read-only prompt at the beginning of the line.

- When applied to a region, 'unfill' (Edit menu, 'unfill-paragraph-or-region') will be more flexible in recognizing paragraph boundaries. Specifically, paragraphs with indented lines will be correctly recognized. Just mark the paragraph before pressing M-Q!

- Searching for keywords in the Help menu now includes the Emacs Manual and the Emacs Lisp Reference.

- Improvements for Aquamacs calls from the command line: files to be opened do not need to exist, and they are now shown in the most appropriate window available (or in a new one).

- The "Text properties" submenu has been remove from the Edit menu. (Among the issues: its entries were misleading; text properties aren't saved in files.)

- Structure of Help menu revised.

- in SLIME (Lisp mode) and ERC, the Aquamacs tabs work again. ('slime-header-line-p' and 'erc-header-line-format' now default to nil. 'erc-mode-line-format' has a new default value. Customize these variables to revert to the old behavior.)

- Incompatibility with VM (an optional install) removed. Reported by José Figueroa-O'Farrill.

- Internal change: Full-screen editing is now handled via the frame parameter 'fullscreen'.

- Page-wise scrolling where a single line filled more than a screen page has been fixed. Reported by Mac Pigman.

- Command-Shift-S (A-S) now leads to a file selector dialog that shows the file name associated with the current buffer, as the menu item has done all along. Reported by Nathaniel Cunningham.

- Further minor bug fixes.

- Many thanks for your donations since the last version was published. Specifically, we would like to thank William Ziemer for donating a Mac Mini as our project server.

  If you haven't done so lately, please consider making a donation to the project at http://aquamacs.org/donate. Your donations are essential in keeping the project going–we have no other source of income from Aquamacs. We'd like to do great things with Aquamacs, but that'll only happen with your support.

Changes—1.4

- **Aquamacs has tabs**. Press Apple-T to create one. You can switch the general use of tabs on in the Options menu. (Note that while the 'tabbar' package is provided and used internally, the actual functionality is different.) Concept and Code by Nathaniel Cunningham, David Ponce and David Reitter.

- **"Frame Styles" are turned off** by default now. This means that there are no major mode specific settings (fonts, colors) unless the styles are turned back on (Options menu). There is a new "Clear All Styles" menu item, and the wording has been improved. There should be less flicker when switching buffers. The frame size and position are not changed, even if the frame leaves the screen.

- **Revised word wrapping**: Soft and hard wrapping can now be recognized automatically (Options / Auto Word Wrap for Text Modes). Also, Soft and Hard wrap modes are now enabled just for the current buffer. (The former option to automatically enable this is still available via customization of the 'text-mode-hook' setting.)

- **Full screen editing**: Press Apple-Shift-Return to get into full screen mode. (There are some known problems with this in conjunction with changing the frame's fonts. These will be addressed in the future.) Code by Joel Stanley and David Reitter.

- **Aquamacs does not create backup files (foo.bar) any longer** by default. This way, no unnecessary files won't get in your way any longer. (No Mac application creates these. Use Time Machine or a dedicated backup solution for backup needs.) There is an Option in the "Options" menu which will turn backups on again.

- **The *scratch* buffer is now persistent** across sessions. It is saved to an internal file, but File / Save As (or Apple-Shift-S or C-x C-w) still allow users to save the file elsewhere. (To switch this off, customize the 'aquamacs-scratch-file' variable to nil.)

- The position (and height and width) of the (main) frame is now persistent across sessions. (Customize 'initial-frame-alist' as documented to open the first frame somewhere else.) 'default-frame-alist' settings for the frame position and extent of subsequent frames are now respected by default. Aquamacs will not, however, open frames off the screen.

- The tool bar looks like other toolbars on OS X now. Code by Yamamoto Mitsuharu.

- We've got better-looking icons ("alpha channel") for the tool bar, and labels under the icons like in other OS X programs. (You can save the space for that by customizing 'mac-tool-bar-display-mode' to 'icons'.)

- Toolbar items of other modes (such as for LaTeX editing) can be configured via Options / Show/Hide / Toolbar items.

- Multi-lingual CocoAspell support: installed dictionaries can now be changed from within Aquamacs. Code by Nathaniel Cunningham

- "Check Spelling as You Type" can now be set as the default for all text modes, in the Edit / Spelling menu.

- Aquamacs generally will not show graphical dialog boxes for confirmation questions (unless the mouse has been used last) any longer. This ensures greater consistency on multi-screen setups and when the frame was off the visible area of the screen.

- Before any minibuffer interaction takes place, Aquamacs will attempt to ensure that the minibuffer is actually visible: this may involve moving frames into a visible area of the screen. (To turn this behavior off, try M-x smart-frame-positioning-mode RET, or customize the variable of the same name.)

- Aquamacs now knows more about multi-screen setups (when it comes to frame positioning).

- Preferences and other code defined in Preferences.el now override any customizations: the customization file ('custom-file', i.e. customizations.el) is now loaded before the Emacs Lisp code in Preferences.el. This may have consequences for individual configurations, but it ultimately allows users to override any semi-automatic customizations in their Emacs Lisp code. (Note that /.emacs is still loaded before the customization file in order to maintain compatibility with GNU Emacs.)

- **Improved LaTeX support**: AUCTeX 11.85 included. This brings a number of advantages for LaTeX users, in particular:

    - Better analysis of errors reported by the LaTeX compiler.
    - Improved syntax highlighting when editing .tex documents.

  Code by Ralf Angeli, David Kastrup and others.

- Searching with Apple-F and Apple-G (isearch) is now more comfortable: it will not normally extend a region (unless started with C-Space). Apple-G (repeat the search) will always set the mark to the beginning of the match so that the region captures the match. This allows users to replace the text of the match with something else easily.

- When the mark is set with C-Space, it is more persistent than before: clicking somewhere will not disable it, but extend the region, just like moving the point with arrow keys (and other movement keys) would do.

- LaTeX mode comes with more appropriate icons now.

- Color Themes updated to version 6.6.0. Code by Xavier Maillard and Jonadab the Unsightly One.

- The "Buffers" menu can now be found on the right hand side of the menu bar. It is called "Window".

- The mode line (at the bottom of each frame) now uses the system's standard font.

- Control-left and Control-right will now move to the beginning or end of the line, respectively, as is standard in OS X. Similarly, Meta-left and Meta-right will now move forward or back by single words (this is usually Option-left or Option-right). ('forward-' and 'backward-sexp-nomark' can now be invoked via C-M-right or -left.) Suggested by Jean-Christophe Helary.

- Apple-[and Apple-] switch between Emacs windows (i.e., within a frame). Suggested by Jean-Christophe Helary.

- C-backspace deletes a whole file name (i.e., one part of a path) instead of just a word in the minibuffer when a file is selected. M-backspace (usually Option-backspace) deletes the portion of the word to the left, as is standard, while M-delete (usually Option-delete) the one to the right. If a region is marked, that is deleted.

- M-e (forward-sentence) and M-a (backward-sentence) do the right thing now even if the text does not have two spaces after each sentence. (New customization variable 'sentence-end-double-space-for-recognition'.)

- Apple-F and Apple-G (search, repeat the search) will now mark the found text as region as is standard.

- Apple-V can now me used immediately after entering isearch (Apple-F) in order to look for the text stored in the pasteboard. Suggested by Nathaniel Cunningham.

- Apple-2 (split window) will now select the newly created window.

- Improved usability in the Options menu: Wrap options greyed out when not in a text mode, and no more "save places" option.

- There's a new "Check for Updates" menu item in the Aquamacs menu. If a new version is available, it can be downloaded using a key binding (C-h u).

- Undo/Redo toolbar and menu items are disabled/enabled at the right times (i.e., when there is something to undo/redo).

- "Search" toolbar item is not shown by default. "History" and "Redo" items are shown by default. (Use the Options / Show/Hide / Toolbar menu to configure.)

- The context menu now allows to "search on this Mac" with Spotlight (on OS X 10.4 or newer).

- Font settings for a frame do not affect the mode-line any longer. You can M-x customize-face mode-line, specifying a standard OS X font as "Font family" (such as Monaco).

- Files are loaded (visited) a little faster now. 'default-major-mode' now defaults to 'fundamental-mode' rather than 'text-mode', which should have no practical consequences apart from the speed-up.

- Worked around a bug in OS X that caused occasional, very slow program start on some systems.

- User-supplied settings of 'fill-column' should now be respected (used for hard word wrapping as enabled in the Options menu). Reported by Ivan Werning.

- Some commands (such as M-x shell) will use the current window rather than showing a new one, unless 'one-buffer-one-frame-mode' (Options / Show Buffers in New Frames) is enabled. Suggested by Jean-Christophe Helary.

Changes—1.3b

- Bug fix: On OS X 10.5 "Leopard", Aquamacs consumed a lot of CPU power in certain rare circumstances.

- The minibuffer history is now retained between Aquamacs sessions.

- LaTeX editing: better support for jumping from and to the PDF if Skim.app is installed and used. No configuration is necessary. You can jump from Aquamacs to Skim with Shift-Command-Click, or with the AUCTeX command "Jump to PDF" (enter C-c C-c J RET) and back. You will need to \usepackage{pdfsync} in your document preamble and re-compile before you can use the feature.

- Press Command-E to use the region (selected text) for the next search operation (Command-F). Suggested by Mathieu Godart.

- When using Frame Styles (especially with One Buffer One Frame Mode switched off), frames should (mostly) retain their original sizes now. Less jumping around!

- Aquamacs now remembers the positions of frames containing *Help*, *Messages* and other buffers.

- Improved frame positioning and sizing. In particular, *Help* frames should not come up too small any longer.

- Frames can now be tiled (horizontally/vertically) and scattered (automatic placement) with functions in the Buffers menu. Tiling code by Drew Adams.

- Speedier cursor movements (up/down) in outline-minor-mode and (similar situations with hidden text).

- The red "close" button will now delete all windows of the frame and kill associated buffers (after checking back) where sensible.

- Setting of 'mac-function-modifier' now works in conjunction with arrow keys on Leopard. Reported by Claude Flener. Patch by Yamamoto Mitsuharu.

- Spanish keyboards are now better supported, e.g., Emulate Spanish Keyboard Mode now supports typing backslashes. Patches by Arcadio Rubio García and Elias Baixas.

- Swiss German and Swiss French keyboard emulations added (Emulate Spanish Keyboard Mode. See Options / Option Key menu.) Patch by Claude Fenner.

- File names with non-ASCII characters such as German Umlauts or accented characters will be displayed and dealt with correctly. Reported by Ted Roden.

- Existing files that are edited with Aquamacs are not automatically turned into "Aquamacs" files, i.e. will not always be opened in Aquamacs with a double click from the Finder. This behavior can be controlled with the 'aquamacs-set-creator-codes-after-writing-files' customization variable. Suggested by Joshua Smith and Nathaniel Cunningham.

- Longlines mode (Soft wrap) has been improved: it works better with variable-width fonts and with LaTeX mode

- ESS Info file updated from 5.3.0 to 5.3.6

- Cedet was missing a file and produced errors (JDE Mode). Reported by Nick Frolov.

- ACT-R support fixed.

- Loading of preferences files revised once more. Preferences.el and customizations.el are now loaded along with the user's .emacs, and changes to 'after-init-hook' should work (e.g. to use the 'desktop' package) just fine. Based on an issue reported by Phil Kime.

- The Aquamacs application icon has been revised to look better in Leopard's Dock.

- 1.3b: Aquamacs now checks for new versions again.

Changes—1.2

- Aquamacs failed to start up correctly on some systems with a Japanese (or other) locale. Reported by Carson Reynolds.

- Printing through htmlize now has a monochrome option that removes all face foreground and background colors and simply prints black on white.

- Apple-< and Apple-> now raise the next or previous frame (respectively).

- To bring up the *Messages* buffer, a double click into the echo area is now needed instead of a single click.

- Aquamacs now includes the Emacs Lisp Reference as convenient Apple Help document, available from the Help menu ("More Manuals").

- Files created with Aquamacs can now have their default associations changed in Finder more reliable. Aquamacs now sets the file type of newly created files to TEXT. Icons associated with such files should now bear the Aquamacs logo. Reported by Frank J.R. Hanstick.

- Ediff does not bring up errors any longer when called repeatedly. Reported by various users.

- In LaTeX-mode, references such as
  cite{...} are not highlighted any longer when hovering with the mouse over them. This was confusing. Use 'bib-highlight-mouse-t' to turn it back on.

- Ruby on Rails mode updated to emacs-rails 0.5.99.5. This fixes a the startup problem (missing "snippet") with rails. Reported by Marc Siegel.

- Emacs Speaks Statistic (ESS, R-mode etc.) updated to version 5.3.6.

- Fitting frame sizes to the content displayed with M-x fit-frame works now, because 'inhibit-fit-frame' is nil by default. Frames will still be at least 68 characters wide ('create-frame-min-width') to ensure that *Help* frames are wide enough (if Frame Appearance Styles are active, as by default).

- The menu entry 'Paste' works for material copied from other applications now just like Apple-V always did. Reported by Matthew Hoyles.

- Aquamacs has always imported the environment from the login shell, e.g. any environment variable you might have set in your ˜/.bash_profile. The elements of a PATH known to the login shell now take priority over elements in the PATH defined by the system. That means that if newer versions of system-supplied utilities are installed with Fink or Darwinports, these will be used from within Aquamacs.

- Aquamacs should run even without the font Monaco available on the system.

- The location of the Abbreviations file was changed. If you have any personal customizations there, move them:
  mv /.abbrev_defs "˜/Library/Preferences/Aquamacs Emacs/Abbreviations"

- Revised message in echo area upon startup. Suggested by Richard Stallman.

- Based on the latest GNU Emacs 22 code, including improvements to the 22.1 release.

- Our sincere appreciation goes you to all users who have donated (http://aquamacs.org/donate). If you haven't had the chance to support the Aquamacs project yet, please consider a contribution now. Only with your support can we continue to work on Aquamacs.

Changes—1.1

- Based on GNU Emacs 22.1.

- Aquamacs is now much faster when opening new frames (windows).

- The Aquamacs binary now starts fine from the command-line on certain Intel machines.

- Preference file loading has been revised. Aquamacs now displays helpful error messages if one of the Preferences files causes problems. M-x aquamacs-load-preferences allows users to test their preference files. Starting from a Terminal window by calling the "Aquamacs Emacs" binary with a "-q" argument will prevent Aquamacs from loading any preference files, not just .emacs. (Note that customizations.el is not meant to be edited by users.)

- Aquamacs now starts up faster.

- Aquamacs does not define a number of fontsets any longer on startup. Since the font selection dialog can be used (Apple-T), fonts can be chosen freely and fontsets only need to be defined to combine fonts, which is rarely needed. Users may define their fontsets as before - Aquamacs just doesn't do it for them (unless such fontsets are used in customizations). Call (aquamacs-create-standard-fontsets) from Preferences.el should any problem occur.

- Emacs 22 Manuals (man / info, available from the Help menu) are now displayed on all systems. Reported by Eric Martin.

- Customization groups are not shown in separate windows any longer.

- Plugins may now contain 'info' files, which will automatically be found by Aquamacs (and M-x info). Reported by Wei Tang.

- An issue with the font size on some pages of the Aquamacs manual (as available from the Help menu) has been addressed. Reported by David Romano.

- The "Emulate Some Italian Option key combinations" mode (emulate-mac-italian-keyboard-mode) allows users to type "m" again. Reported by Domenico Prattichizzo.

- X Resources specified via the OS X defaults system (plist) are not supported any longer.

- Thank you to all users who have donated (http://aquamacs.org/donate). Those who haven't had the chance to support the Aquamacs project, please consider a contribution now!

Changes—1.0b

- Based on GNU Emacs 22.1.

- Java support has just gotten a lot better. JDEE is a complete, integrated development environment for Java in Emacs. It supports building, source-level debugging, code generation and much more. Aquamacs now contains the latest version of JDEE, configured to work with the Java SDK installed via Apple's Developer Tools. Visit http://jdee.sunsite.dk for more information.

- Toolbar: The icons have been completely redesigned. The colors make them easy to distinguish. The functions available from the standard toolbar have been carefully selected. Using the Options - Show/Hide - Toolbar items menu, icons may be shown or hidden to fit the user's needs.

  Available functions:

- New, open, save/save as, revert buffer
- Undo, redo
- Cut/copy/paste
- Find (isearch)
- Spell-check buffer (ispell-buffer)
- Print
- Make a new frame
- Preferences
- Help

We'd like to acknowledge the artists:

- Preferences, Revert Buffer, Kill Buffer: Jasper Hauser
- New Frame, Recent Files, Spell-check: Nuovext Project
- all other icons: Adrian Chromenko and David Reitter

- Spell-Checking can now be found in the Edit menu, not in Tools. The "Check As You Type" function (flyspell-mode) will automatically check the buffer contents (unless it's a big buffer) when first enabled.

- Spell-Checking now supports the popular cocoAspell package, which includes English language dictionaries and the GNU Aspell spell-checking library. Additional dictionaries may be installed.

- Formatting (filling) text with M-q (Option-q) is a bit more convenient now: when a region is selected, the command applies to the whole region and not just to a paragraph. We also provide M-Q (Option-Shift-q) to "unfill" a paragraph or a region, which comes in handy when wrapped text needs to be converted to soft-wrapped text, or to copy&paste it into other applications.

- one-buffer-one-frame-mode is more compatible to the normal Emacs paradigm of one-frame-many-buffers for internal technical reasons, but also with respect to whether newly opened frames (windows) are actually selected and receive the following user inputs. In many situations, classical Emacs shows a buffer in an extra window, but doesn't select it - so the user can keep working on the original document. Aquamacs will now do the same - it will raise the appropriate frame, but not select it. If you would like to make it select at all newly opened frames, use this in your Preferences.el:

  (setq display-buffer-reuse-frames 'select)

  Also (the technical change): Function 'switch-to-buffer' will set the current buffer immediately without waiting for the next top-level event loop.) Thanks to Lowell Vaughn for pointing out a seemingly unimportant bug in one of Emacs' on-board games, which led to the discovery of this issue.

- Undo as in the original Emacs is available again via 'undo'. Apple-Z and Apple-Shift-Z are bound to Aquamacs undo/redo functions (now called 'aquamacs-undo/redo' as they used to be, but seasoned Emacs users may now use Control-underscore to access the classical undo. The difference is that the old-school undo will undo it's own undo steps. Suggested by Rudi Schlatte

- Undo (aquamacs-undo, Apple-Z) will now restore point and mark as appropriate.

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- Left/Right keys will now behave more Mac-like, whenever text is marked (i.e. the mark is active / text has been selected). They now move to the beginning or the end of that region, respectively. To turn off this behavior, turn off CUA mode or rebind left/right keys in osx-key-low-priority-key-map by adding this to your Preferences.el or .emacs file:] (define-key osx-key-low-priority-key-map [left] 'backward-char)

  (define-key osx-key-low-priority-key-map [right] 'forward-char)

  (osx-key-mode 1)

- Apple-2 can now be used to split the window into two (like C-x 2), Apple-1 will undo that split (like C-x 1).

- Cut/Copy/Paste with the secondary selection (use Option + mouse) are now bound to Option-Apple-X, Option-Apple-C, respectively (unless Option is not Meta, in which case you'd use ESC Apple C, or whatever M-A-c is for you.) (This is to avoid problems in cases when Caps Lock is on, which is recognized as Shift modifier.)

- The current major mode may be changed in the context menu

- Emulate-Mac-German—Italian—...-Keyboard-Modes now allow you to call the commands bound to the original Meta key combinations using the "Esc" key. For example, in the German keyboard emulation, pressing Option-l will give you @, while Esc l will do 'downcase-word'. Also, this mode now supports searching (Apple-F) with 'isearch'. Reported by Thomas Käufl. Additionally, an emulation mode for the Finnish keyboard layout is available now. Patch by Lauri Raittila.

- Default colors in help and *Messages* frames/buffers revised. Suggested by Charles Bailey

- Recently opened files that were opened from the "Recent Files" menu, or from an external shell with the 'open' command or something similar are now available in the minibuffer history that one gets with C-x C-f 'up'.

- Clicking into raised frames (windows) that are not the selected frame (i.e. have grey instead of red-yellow-green buttons) will now activate that frame. Patch by Yamamoto Mitsuharu

- Creator codes for loaded files are maintained and not always reset to the Aquamacs / Emacs code. This way, users may use the Finder to open specific files with another application by default, but still edit the file in Aquamacs.

- Updated AUCTeX (11.84). [M-x latex-mode]. XeTeX users: please customize 'TeX-command-list' to call XeTeX directly.

- Haskell mode included (2.3). [M-x haskell-mode]

- RubyOnRails support via emacs-rails included (0.5.3) [M-x rails-minor-mode, with M-x ruby-mode]

- ACT-R support. [M-x actr-mode]

- Menu Bar fixes. (Disabled menu bar entries when frames invisible.)

- Aquamacs menu name shortened. Suggested by Enrico Franconi

- Accessibility in OS X fixes (simulated clicks on Window elements) Suggested by Alexis Gallagher Patch by Yamamoto Mitsuharu

- HTML files (and others) can be opened in the system's default browser again. This applies to C-c C-z v in html-helper-mode and other modes using 'browse-url'.

- Tramp files (i.e. remote files loaded with /uid@host:/path/to/file syntax) are noted in the "recent files" history list and not discarded any longer when Aquamacs is restarted.

- 1.0a: Some documentation of Emacs functions (C-h f setq RET, e.g.) was not available on PPC Macs. Reported by David Sagan and Bill Rising.

- 1.0a: Some additional executables like movemail did not work on PPC Macs. Reported by Barbara Shirtcliff.

- 1.0b: Ruby-mode included in new-buffer/change major mode menu

- 1.0b: The underlying source code is now fixed to be GNU Emacs 22.1 plus Aquamacs extensions.

- 1.0b: On older PPC Macs, text input was only updated slowly whenever the tool bar (icons at the top of the frame) was turned on.

- 1.0b: Gnus did not work correctly. Reported by Martin Jørgensen.

- 1.0b: M-x tile-frames-horizontally/vertically fixed. Patch by Ben Hyde. Updated to new 'oneonone' library version, code by Drew Adams.

- 1.0b: Moving the point left or right with the arrow keys could cause an error message "Mark inactive" to appear in certain circumstances. Reported by Michel Charpentier.

Thanks for supplying build machines: Toby Blake (U Edinburgh), James Pringle (U New Hampshire) and Carlo Gandolfi (Milan).

Changes—0.9.9d

- Frames (windows) now have a little icon in the title bar for the selected buffer, and you can drag&drop this to other applications. Patch by Mitsuharu Yamamoto

- Clicking the Dock icon of Aquamacs will now bring up a minimized frame, if there is no other frame to be shown - just like in any OS X application. Suggested by Frank Atanassow

- Fonts can now be selected comfortably with the OS X standard font selector, accessible via "Options - Show Fonts". Remember - to make a setting stick, use the "Frame Appearance Styles". Set the new style either for the given major mode, or as a default. Patch by Mitsuharu Yamamoto

- C-n and C-p are now mapped to 'next-line' / 'previous-line' again, so they may be used to jump full lines (as defined by carriage returns) - even if the lines are wrapped around. The arrow keys move the cursor visually as before. Suggested by Tom van Vleck

- Apple-' now cycles through all the frames, not just the topmost two. Reported by William Henney

- Apple-: now spell-checks the buffer, provided ispell is installed. Suggested by Jean-Christophe Helary

- Apple-Shift-S will now bring up a file selector rather than prompting for a file name in the minibuffer. If you prefer the Emacs-style prompt, you should use the Emacs-style key binding: C-x C-w. Suggested by Jean-Christophe Helary

- Emulate-Mac-Keyboard-Mode: improved support for French keyboard layouts

- ESS 5.3.0 included

- SLIME - the Superior Lisp Interaction Mode is now available with Aquamacs. It's preconfigured for you. Use 'lisp-mode' for your Lisp editing, and run M-x slime to start a lisp inferior process. You may need to set the variable 'inferior-lisp-program' via customization or in your Preferences.el as follows:

```
(setq inferior-lisp-program "path to lisp")
```

- C++ Mode is used automatically for .cp files.

- Keyboard bug-fix: certain keys could not be successfully input on certain keyboard layouts, most notably the key combination C-c ' as used in LaTeX mode (AUCTeX) was not available on German keyboards. Patch by Taiichi Hashimoto

- Ispell/LaTeX bug-fix: ispell will now ignore TeX commands in such buffers. Patch by Bill Rising

Changes—0.9.9c

- Bugfix: Emacs-internal Input methods work again.

- System-wide input methods (via the "International" preference panel) can now be used instead of the Emacs-specific ones. Use Options - Aquamacs Multilingual Environment - Use System Input Method to turn it on or off - it's switched on by default. Patch by Taiichi Hashimoto

Changes—0.9.9b

- 'mac-pass-option-to-system' didn't work as intended. There may have been other input problems.

- Switching to another buffer did not change the input focus (i.e. where things you type go), even though the frame displaying the buffer was raised. Reported by Rick Taube

- tool-bar-mode calls in Preferences.el / .emacs could bring up errors under certain circumstances Reported by William Henney

- 'bury-buffer' didn't work correctly, causing situations where a frame was shown and was removed immediately, for example when SLIME started up or, in LaTeX (AUCTeX) mode, C-c C-l was used to display compiler output.

- Crash in 'show mouse face' fixed Reported by Phil

- Russian as first application language (System Preference) does not cause startup problems any more. Reported by Vladimir Lech

Changes—0.9.9a

- SUMMARY: More bugs and other annoyances have been removed. Opening new frames (for new buffers) is more useful now, and frame themes aren't applied when a frame is split up. Options are automatically saved across sessions. A new customization groups for Emacs-die-hards makes it easier to change Aquamacs-specific customization defaults.

- Intel: Aquamacs is now available as native version for Mac computers with Intel CPU. Thanks to Jonathan Shea, Mike Bennett and Richard Koch for providing compile machines.

- Dired in one-buffer-one-frame-mode will show new directories and open files in the same frame.

- Customize will show new groups etc. in the same frame and window.

- One-Buffer-One-Frame-Mode ("Display Buffers in Separate Frames") will now show buffers such as *mail*, *grep*, *shell* in their own frames. This also applies if other modes open *...* buffers, such as ESS opening an inferior R shell, which previously didn't even show in a separate window. One-Buffer-One-Frame-Mode is also better documented now and has customization options so you can decide which buffers are shown in new frames.

- Frame-Appearance-Themes reconfigure a frame only if just one window is present (or all windows show buffers in the same major mode). This should more effectively prevent appearance switching when a second window is shown temporarily.

- Frame-Appearance-Themes now allow the user to delete all mode-specific themes when a default is defined. Hints to select "Save Options" are more prominent.

- Options are saved automatically upon quitting Aquamacs (it'll ask you.) - customize 'aquamacs-save-options-on-quit' to configure.

- Quitting Aquamacs: you won't be asked any more whether to quit if modified buffers exist, because at that point you've always already been asked to save each modified buffer.

- Aquamacs-is-more-than-Emacs is a new customization group containing all customization variables whose defaults are changed in Aquamacs compared to GNU Emacs or the relevant package. This is useful for Emacs veterans who want certain behaviors to be more similar to GNU Emacs.

- Bug Reporting is handled fully in the system's default mail client again (unless you've set up a different 'send-mail-function') Suggested by Robert Sloan

- Mail composed with the Message package will now be routed through the mail client by default ('message-send-mail-function') and there is no "From" line. If you run postfix locally, you may want to do something like the following in your .emacs or Preferences.el:

```
(setq send-mail-function 'sendmail-send-it)
(setq message-send-mail-function 'sendmail-send-it)
(setq mail-setup-with-from t)
```

  Alternatively do the same in customization buffers.

- Toolbar looks prettier now. Patch by Kim F. Storm

- 'Frame-Appearance-Styles' is the new name for the former 'Frame Appearance Themes, so they won't be confused with GNU Emacs new customization themes. A global minor mode called 'aquamacs-styles-mode' is now used to switch them on/off.

  Some configuration variables have been renamed: 'aquamacs-default-styles' (was: 'aquamacs-mode-specific-default-themes') 'aquamacs-styles-mode' (was: 'aquamacs-auto-frame-parameters-flag') 'aquamacs-buffer-default-styles' (was: 'aquamacs-buffer-specific-frame-themes')

- A-Backspace deletes the whole logical line again, not just the visual line. A-Shift-Backspace deletes the visual line now.

- Tilde   can now be input on German keyboards with the German emulation mode via Option-N.

- Frame-positions for individual files are now saved to/loaded from a file called frame-positions.el (in /Library/Preferences...)

- Help buffers (C-h f, C-h v) for certain Aquamacs functions could have links to source code at nonexistant paths.

- site-start.el files in the load path (plug-ins!) aren't loaded any longer if there is a file named .ignore in the same path.

- Bugfix in version 0.9.9: customizations weren't read if aquamacs-styles (the former "Frame Appearance Themes" were switched off.) Reported by Brendan Dixon

- Bugfix: Typing C-x C-f, then A-w made the newly opened frame go away, but not the "Find file" prompt, which was quite persistent, especially if you didn't know about C-g and the minibuffer. That is fixed now. Reported by a number of people.

- Bugfix: Setting tool-bar-mode or changing the fringes via the Options menu will now affect the default frame style as well, so the setting will affect new frames (even if frame appearance styles are active). Note that if fringes or tool bar are set in .emacs, the customized and saved styles will override your settings.

- Bugfix: Aquamacs will not ask the user any longer whether to save dired buffers and other non-file-buffers upon deleting the frame (killing the buffer). Reported by Carsten Bormann

- Bugfix: desktop-mode should be able to restore the desktop on startup appropriately. Reported by Rudi Schlatte

- Bugfix: page-wise scrolling (PgUp/PgDown) with long lines scrolls exactly one screen now

- Bugfix: page-wise scrolling (PgUp/PgDown) will remove the region as expected when the cursor moves. Shift-PgUp/PgDown will extend the region (and set the mark if neccessary).

- Bugfix: completing-read-multiple didn't work (icomplete+ library updated)

- Bugfix: frames sometimes didn't open in one-buffer-one-frame-mode when the buffer shown was empty.

- Bugfix: In one-buffer-one-frame-mode, Apple-W deletes a window or kills a buffer and returns to the next buffer in the buffer list (i.e. the previously shown buffer) when the frame wasn't created for the particular window / buffer being killed. Think of it as a stack of buffers that are shown. Previously, Aquamacs always switched to *scratch*.

- Bugfix: Preview & Print now works with buffers in Tramp Mode, too. Reported by Tim Hodgson

- Bugfix: Fonts (not fontsets) set in default-frame-alist and similar variables are not filtered out any more after startup if they haven't been explicitly loaded (or applied to a frame, and thus, loaded). Reported by Konstantinos Efstathiou

- Bugfix: display copyright message at startup.

- Bugfix: Javascript-mode exchanged for the one borrowed from XEmacs. This one will hopefully work better now. Suggested by Tom Van Vleck

- Bugfix: ediff-directories interferes less with one-buffer-one-frame-mode.

- Compiling: Those who build Aquamacs themselves, note that the make-aquamacs script will now produce a complete app bundle located in (emacs-path)/mac/Aquamacs. The install-aquamacs script only moves the bundle to /Applications. If you make any changes to the Aquamacs source code (except for pre-loaded code in site-load.el), it is usually sufficient to run "copy-to-app -n". Remember to set the AQUAMACS_ROOT and EMACS_ROOT environment variables before using any of these scripts.

- A BIG THANKYOU goes to all users who have donated (http://aquamacs.org/donate) in the past months. I'd also like to thank all those who tested the beta versions, reported bugs and contributed ideas and server space: Nathaniel Cunningham, Peter Dyballa, Terry Jones, José Figuera O'Farrill, Konrad Podczeck, Robert Sloan and many others.

Changes—0.9.8

- Meta/Option key: New minor modes allow users of various keyboard layouts (German, French, Italian, GB/US) to use the Option key as Meta modifier under Emacs (as it is the default), but still be able to input characters such as [ ] — and @. This works for common characters (not all). Some rarely used Emacs key bindings such as M-4 on Italian keyboards are overridden by these modes. Activate them via the Options menu ("Option Key"), or with M-x emulate-mac-french-keyboard-mode (substitute 'french' with a keyboard layout in lower case). The following keyboard layouts are known:

  German, Italian, Italian-Pro, French, US, British

  You may define your own mappings. (Please publish them.)

- Bug reporting: Use standard GNU Emacs bug reporting facility (but go through the mail client when necessary.)

- One-Buffer-One-Frame: Change in the decision-making process about when to show a buffer in a new frame. Generally, all buffers with names in *'s (such as *vc*) will be shown in the same frame (as directed by 'obof-same-frame-regexps'), with the exception of Messages, Help and Customize buffers (as listed in 'obof-other-frame-regexps'). This means that more buffers will open as a "small" window inside the current frame. Please report back to us in case you have any unwanted results with this.

- Special-Display-Frames such as the one with the *Help* buffer can now show *Completions* buffers and other ones in a second window inside the frame, just like other frames can. ('unsplittable' property in 'special-display-frame-alist').

- Drag&Drop of files in buffers with HTML/LaTeX/C modes results in the appropriate code (such as <IMG SRC=...> or \includegraphics{...}) being inserted. Patches by Seiji Zenitani

- AUCTeX/PDF: TeX-PDF-mode is now the default via the default of its mode variable 'TeX-PDF-mode' rather than an entry in 'LaTeX-mode-hook', making configuring the default in the customization buffer (or in .emacs) easier. Updated to AUCTeX 11.82.

- DONATE: If you like the new version, please donate so we can keep the development efforts going throughout 2006. Have a great new year!

Bugfixes:

- Browsing a URL (as in Help menu functions, mouse clicks in Gnus etc. could fail in rare circumstances. Reported by Count László de Almásy

- Tcsh environments will be correctly imported into Aquamacs now. Reported by Michael Kohlhase

- AUCTeX and RSS documentation (info) are now included. Reported by Arthur Ogus and José Figueroa-O'Farrill

- Avoid the Dock when opening or automatically resizing frames in most situations.

- Up/down movements of the cursor: subtle tweak (jumping to temporary goal column only in series of up/down movements.)

- 'mouse-save-then-kill' for 'osx-key-mode-mouse-3-behavior' set to now works fine for double clicks (deleting the selected region) Reported by Konrad Podczeck

- Tcl-mode back in the "New Buffer" menu. Patch by Kevin Walzer

- CPerl mode is still the default for perl files, but perl-mode is not an alias any more for cperl-mode.

- Environment import (from the default login shell) works better now for users of tcsh, zsh and ksh.

Changes—0.9.7

- *S*ummary: New functions: Mac-style printing, Export to PDF and HTML, Spelling suggestions, New buffer in mode / change major mode menus, a context menu (right mouse click), speed improvements, nXML and AUCTeX included text display improved (international characters and proportional fonts), "wrong command-p" bug fixed and much more.

- Printing: Aquamacs now supports full What-you-see-is-what- you-get printing. Choose 'Preview and Print' from the File menu, and the current buffer (or the current region, if one is marked) is typeset using the color theme and the syntax coloring that is active. You can then preview or print it with the standard Mac OS X printing dialogs, selecting a standard Mac printer. (Output to US Letter format only at this point. Sorry!)

- Export to PDF and HTML: The current buffer (or a region if selected) can now be exported to a PDF or HTML file. Syntax coloring (and the chosen color theme except for the background color) are respected.

- LaTeX: Aquamacs now comes with the latest version of AUCTeX, which will allow you to most comfortably edit LaTeX source code and even preview some of the results (e.g. formulas) directly in your document. No need to install an additional AUCTeX package. AUCTeX already works out-of-the box.

  It is recommended that you remove any previous installations of AUCTeX.

- nXML: Edit XML code more comfortably with the included nxml-mode. It validates the document as you type. If you don't like the mode, the following in your Preferences.el file will bring the old XML mode back:

```
(assq-set-equal "<\\?xml " 'xml-mode
                      'magic-mode-alist)
```

  Suggestion from Tim Bray.

- Speed: Aquamacs is a little faster now when opening new frames, when frame appearance styles have been defined.

- Right-Mouse-clicks in text now bring up a context menu which allows you to copy/paste, search the word under the mouse in Google or look it up in the system dictionary and switch the buffer.

- Control-Mouse-click is always mapped to mouse-3 (right mouse button) now so Apple mouse and laptop users will consistently get the same functionality. To do mouse-2, just hold down the Command key while clicking. (This does mouse-yank-at-click, a useful functionality that you might be used to from Linux / X11 machines!)

- Alt-Mouse-click&drag allows you to select a secondary selection. (This used to be on Command-mouse-1-drag.)

- Spelling correction (flyspell) will make suggestions upon right-clicking on a misspelled word.

- Fonts/Display: Aquamacs Emacs can now display an even wider range of characters with any font available on OS X. Some characters will look nicer. Patches by Yamamoto Mitsuharu

- Text Display: Aquamacs now displays text in variable-width fonts with much better letter-spacing. It'll look like in other OS X apps, and reading and editing long texts is much more fun now. Patches by Yamamoto Mitsuharu

- Navigation in wrapped lines (not word wrap) is easier now: arrow keys will jump to the next visual line, not to the next buffer/file line. Also, navigation is visual now for variable width fonts like Lucida: jumping up or down moves to roughly the same place in the adjacent line going after what's displayed on the screen rather than counting characters (jumping to the same row number in the next line). If you don't like the behavior, you can turn it off with this code in your Preferences.el / .emacs file:

```
(define-key osx-key-mode-map [remap previous-line]
            'previous-line)

(define-key osx-key-mode-map [remap next-line]
            'next-line)
```

- Scrolling and setting the point with the mouse has improved: 'scroll-margin' defaults to 0 now, so scrolling won't happen until you've reached the first or last line in the window - except when you use the cursor up/down keys (and osx-key-mode is on). Then, scrolling takes place a few lines before you reach the boundary. You can configure this via Aquamacs' customization variable 'visual-scroll-margin'.

- Command-{ comments the line or the region (in programming modes)

- Command-} uncomments the line or the region (in programming modes)

- Command-' comments or uncomments (toggling) the line or the region (in programming modes)

- Command-Delete kills (erases) the rest of the current line. (Command-Backspace kills the whole line.)

- Filenames with spaces can now be entered without hassle.

- Modifier-Key configuration: Several previously deprecated variables have been removed: 'mac-reverse-ctrl-meta' and 'mac-command-key-is-meta'. Use the much simpler, yet equally powerful variables 'mac-command-modifier', 'mac-option-modifier', 'mac-control-modifier' and 'mac-function-modifier' (experimental) instead. Additionally, 'mac-pass-option-to-system' is deprecated now: instead, set 'mac-option-modifier' to nil to reach the same effect. The use of the Option menu is recommended.

  To set the Apple key to Meta (not recommended), add this to your Preferences.el file:

  tt (setq mac-command-modifier 'meta)

- Fn-key can act as Meta. If you have an Fn key on your laptop, you can use it as Meta key now. Add this to your Preferences.el file:

  ```
  (setq mac-function-modifier 'meta)
  ```

  Note that support of the Fn key is experimental. Rare combinations may fail on non-English keyboard layouts, and some keys will not work correctly in combination with Fn and Shift.

- Modifier keys such as Command or Shift show up correctly in the shortcuts (menu)

- New-Buffer menu contains many more modes now, such as modes for Fortran, ObjectiveC, C++, PHP, CSS, JavaScript... You can add your own in the customization variable 'aquamacs-known-major-modes'. The menu is updated automatically.

- Change-Buffer-Mode menu (in File menu) allows to change the mode of the current buffer to something hopefully more useful.

- Recently used major modes are now displayed in New-Buffer and Change-Buffer-Mode menus .

- M-w (kill-ring-save) will now deactivate the mark after saving the region, that is deselect the region, just like on standard Emacs. Apple-C will not deselect the region, just like it's done on the Mac.

- Run executables from within Emacs that lie in your PATH as set in shell init files. Aquamacs will set 'exec-path' automatically from PATH. We don't add paths to exec-path any more (except one default tetex path for AUCTeX).

- Questions like "Save to file before closing?" will be asked with a proper dialog and not with a menu appearing out of nothing - if the last action was carried out with the mouse.

  Thanks to CarbonEmacsJP project for part of this.

- Info mode: C-h i will bring up not only up-to-date info nodes for Emacs, but also info on installed packages on the system. (unless you have an INFOPATH environment variable set)

- Mode-specific styles: With a new menu function, you can now apply the style assigned to some other mode, effectively copying it over.

- Mode-specific styles are not applied any more for the major-mode of buffers shown in temporary windows inside frames such as the

- Completions* buffer. This prevents ugly font-switching etc. for the whole frame when just a small window is opened inside the frame.

- New Packages: findr, htmlize, ruby's friends, auctex (latex-mode), nxml-mode, matlab-mode, javascript-mode,

- Notable Updated external packages: ruby-mode, ruby-*, carbon-font

- Apple/Command key is now called 'A-' internally because it looks like "Apple-" (while it's really the otherwise unused "Alt" key). It used to be "H-" (or: hyper), so change your configuration code in case you've defined your own shortcuts.

- One-Buffer-One-Frame is a minor mode now (called one-buffer-one-frame-mode). Use the Options menu (and Save Options) to turn it on/off, as before. In this minor mode, you have some additional key bindings now:

  C-x B, C-x C-B, C-x S-left, C-x S-right they all do the same as their corresponding functions without the Shift key, but they will show the buffer that they are switching to in the same window, even though one-buffer-one-frame-mode is on.

  The mode has been revised to open fewer extra windows when their content is related to a specific frame - for example version control checkin comments.

- Manual: The Emacs Manual that comes with Aquamacs (as an Apple Help document) has been updated to reflect the basis of Aquamacs, namely the upcoming Emacs 22.

- Command-p-Bugfix: For some users, Emacs locked up at random times, showing a message like (wrong command-p ...) in the echo area of a frame on every input. This bug in the underlying GNU Emacs should be fixed now. Patches by Yamamoto Mitsuharu, Richard Stallman, et al.

- Bugfix: Aquamacs now correctly remembers the positions of frames with specific files, so they open again on the same screen position if the file is re-loaded (in the same session, or after "Save Options" in the next session).

- Bugfix: Bookmarks did not work with 'one-buffer-one-frame' turned on.

- Bugfix: Some Show/Hide options weren't saved by "Save Options".

- Bugfix: links from describe-variable/function help buffers to the source files are correct now for the Aquamacs-specific objects

- Bugfix: Aquamacs works fine now on systems where, in the default shell (e.g. via .bash profile), functions have been defined and exported. Reported by Terry Jones

- Bugfix: RefTeX mode does't give constant audio signals (errors) any more in certain situations

- Bugfix: Allout mode should work again (saving files) Reported by Gerry Brush Patch by Ken Mannheimer

Changes—0.9.6

- Aquamacs now provides extended input methods for Korean, Japanese and Chinese (GB/BIG5). You can select them in the Options menu, under "Aquamacs Multilingual Environment" / "Set Language Environment" - everything is integrated with Mule.

  In order to load more fixed-width fonts suitable for use with Asian languages, you may want to load the carbon-font package, which is included (but not activated) in Aquamacs. Just add the following to the file /Library/Preferences/Aquamacs Emacs/Preferences.el:

  (require 'carbon-font)

  (maintained by Mahn-Soo Choi.)

- CSS-Mode fixed. (First reported by Kris Khaira and Michael Jakl.)

- Dual-head setups (two screens) with one screen on the left, the system menu on the right and Aquamacs frames on the left caused problems. (reported by Otto Karl Florian Diesenbacher)

- osx-key-mode-map can now be changed to modify key assignments, in particular those of Apple Command keys (implemented in Emacs as Hyper = H- keys.) (reported by William Ziemer)

- "font-lock-keywords ... void" message used to appear when attempting to load a new file. This bug in the underlying GNU Emacs has been fixed.

- Apple-Q and iconized frames: When all frames where iconized and one attempted to quit Aquamacs, the application seemed to hang (because it was showing a minibuffer prompt in an iconized frame.)

Interface/Usability Improvements—0.9.5

- The application is now called Aquamacs Emacs.

- The menu of Recent Files will abbreviate long paths now.

- Renamed "Option key produces only special characters" to "Option key for Meta (not for extra characters)."

- C-x C-f (find-file) will bring up a window first before asking for the name of the file to be loaded.

- Files saved with Aquamacs have a nice file icon now.

- Text is now nicely shown a little to the right in windows. In the left "fringe", you can see small dots indicating the end of the buffer, and a small triangle indicating continued lines. If you cannot see them, your Frame / default style overwrites it. Select "Options / Frame Appearance Styles / Reset all styles" to make the fringes appear.

- The "frame appearance styles" system has been revised. *Messages* now has a distinctive colored background. To change this background (or the one for *Help* buffers), customize the variable 'aquamacs-buffer-specific-frame-styles. Also, you can turn Frame Appearance Styles on and off with a menu item.

- Setting the frame font gives a warning now (that the font is only set for the current frame), or sets it as default if Frame Appearance Styles are off.

- Frame-related functions from File menu are now in Buffers menu.

- 1on1-* customization variables are gone—most of them were not in working order (in Aquamacs) anyways due to the way we were using the Oneonone package. This gets rid of quite a bit of doubly implemented functionality.

- You can switch the Option key from its Emacs-specific Meta meaning to its Mac typical use (composing keys such as ü (Engl. keyboard) or the backslash (German keyboard) by typing Apple-; – this is equivalent to the Options menu entry "Option key for Meta."

- The customization variable aquamacs-auto-frame-parameters allows you to turn off mode-specific styles—your frames stay the same, no matter what major mode you switch to.

- Frame Appearance Styles have a better menu structure now in the Options menu. Also, there is a new function "Delete all mode-specific styles".

- Many menu items are now greyed out (cannot be selected) when no frame is visible.

- Help (Aquamacs Manual) has been revised.

- (Even) speedier startup.

- Every Aquamacs frame has a toolbar-button now. Use it to turn the toolbar in the given frame on and off.

- Improvement when working with multiple frames: when no frame is visible, Aquamacs no longer raises some other frame as soon as a file is loaded.

- Mode-specific styles revised: the full set of parameters coming from color themes is now supported, in addition to the font and toolbar setting.

- Menu item to delete the mode-specific style for the current major mode.

New and Updated Major Modes—0.9.5

- Better support for editing HTML: HTML-Helper-Mode is included.

- Emacs Speaks Statistics is included. (Minor glitches with toolbar and info files are known and will be addressed.)

- Auctex configuration now turns on abbrev-mode and flyspell-mode when latex-mode is started (instead of toggling them). (reported by Robert Sloan)

- Page-wise scrolling is more reliable–that is, it is really page-wise and you can always return to the same line. (Pager package)

Bug Fixes—0.9.5

- Font "Bitstream Vera Sans" works again.

- Exiting view mode (e.g. help) with 'q' deletes the frame instead of iconifying it.

- The (Apple Help) manuals work now on systems where tcsh is the default shell. (Reported by Arthur Ogus)

- Startup with arguments -nw (tty / in terminal) revised.

- You can now redefine Aquamacs keys like this:

  ```
  (define-key osx-key-mode-map [end] 'end-of-line)
  ```

  (Thanks for reporting: Andreas Hess.)

- If the user changes mac-command-modifier, it may be advisable to call

  ```
  (osx-key-reset-mode-map)
  ```

  This will ensure that the keymap is updated and Aquamacs installs its Mac-like keyboard commands (provided you want this).

- New frames will not open behind the Dock any more.

- An error message (harmless) when clicking on "Finish" in customize is gone.

- Error message during version check on startup removed (occurred in certain cases where users had upgraded their system.)

- In particular in TeX mode, Aquamacs tended to give audio signals all the time when there were internal exceptions (internal errors signaled) with parsing the TeX code. Therefore, we do not ring the bell any more, i.e. aquamacs-ring-bell-on-error-flag is nil by default. (Reported by Ken Bloom and Andreas Hess)

- Speedbar works when one-buffer-one-frame ("Open Buffers in Separate Frames") is turned off.

- Option-up/down (if Option is meta) now scrolls page-wise.

- Other bug-fixes.

Bug Fixes—0.9.4

- Bug reports contain the subject line that the user entered.

- No more (delay due to) tramp mode on startup in cases where tramp mode had been used before (recentf).

- Files on externally mounted volumes are not checked for readability any more for exclusion from recent files list. (Reported by Bill Clementson)

- No more warnings when fonts are missing (on startup).

- Drag and Drop while in minibuffer works again.

- Mouse-2 works again.

- default-major-mode and initial-major-mode are respected now. initial-frame-alist is not modified any more. Note that other than in any standard Emacs, mode-specific settings always take precedence over default-frame-alist (but not over initial-frame-alist). (Reported by Rick Zaccone, Joe Davison and Peter Dyballa)

- No more warnings in customization buffers that the values have been changed outside customize (for certain variables).

- Gnus articles (newsreader) open in same frame now.

- Gnus has a useful (free) nntp server set so you can start right away.

- Send Email with Sendmail is gone from menu (doesn't usually work on OS X).

- Fonts corrected: Some glyphs in some fonts turned out wrong when in bold or italic. Also, font sizes are correct again (Lucida 14 is Lucida Grande 14, not 12 or so). The default font size for text-mode (and similar ones) is set to Lucida 13 to make up for the change. Apologies for any inconvenience this may cause with your default settings. (Reported by William Henney)

- Better customization for aquamacs-mode-specific-default-themes

- The customizations file (customizations.el) doesn't grow any more. (Reported by Alastair Rankine.)

- Various corrections in the Aquamacs Manual.

- Plugin support: All files named site-start.el anywhere in the load-path are loaded at startup, before the user's init files are loaded. For example, such a file may be placed in /Library/Application Support/Aquamacs Emacs/myPlugin. This feature enables support for easily installable plugins.

- We anticipate shorter startup times in the next release. Stay tuned.

Bug Fixes—0.9.3a and 0.9.3b

- Fixed "wrong argument type" problem (version check), which could occur in new installations or those updated from 0.9.1.

- Monaco 18 font present (suggestion: David M. Cook).

- Emacs Manual available again.

- Save mac-pass-option-to-system when saving options.

Bug Fixes, Features and Changes—0.9.3

- Initial-frame-alist is respected. (Reported by Alastair Rankine)

- When saving a buffer and the Finder is not running, the Finder is not opened any more. (Reported by George W. Gilchrist.)

- Using dead-keys (like Option-u or Option-n on most keyboards) works again. (Reported by Howard Melman and Pierre Albarede

- When modified files existed, but no frame was visible and one tried to quit Aquamacs, the application seemed to hang while prompting for keyboard input (Save file? y/n) in an invisible window. This has been fixed.

- If no frame is visible and you input text, the frame is made visible so you can see what you are doing.

- Closing windows consistently with the mouse now works properly.

- Clicking on links to source files in help buffers properly opens a new frame (if "open buffers in separate frames" is on).

- When the buffer shown in a frame changes, sometimes the color theme and font were not set correctly; this has been addressed. This could happen when "Show Buffers in Separate Frames" was off, and one killed a buffer. (Reported by Peter Dyballa.)

- When "Show Buffers in Separate Frames" was off, and one killed a buffer (kill-buffer, C-x k), the frame was deleted.

- You have the option to save newly created buffers (Command-N) that have not been saved yet when you quit Aquamacs.

- Less frame-dancing (resizing) on startup.

- AUCTEX uses the standard commands again. The menu is unstructured for this reason. (Reported by Robert Sloan.)

- No frames could be opened when using a two-screen setup with the menu bar on the right screen, and a currently selected frame on the left screen. This has been addressed. (Reported by George W. Gilchrist.)

- Customizing a style for a special display frame (e.g. help or customization) works now.

- Recent Files/Clear Menu works again.

- Paths and other environment variables are now derived from the shell when you start Aquamacs.

- Your settings for highlight parens,"Blinking Cursor," etc. are now persistent. The function Options/Save Options (menu-bar-option-save) now correctly saves such settings. This should include most customization settings except some that Aquamacs relies on for proper clipboard copy/paste functionality.

- The font menu (Options) no longer includes non-existent fonts.

- Option/Show-Hide/Menu Bar is gone because you cannot turn off the menu bar on OS X.

- "Send Emacs Bug Report" now uses the OS X default mail program to compose a message. This ensures that bug reports actually go through. Before, they did not, unless you were running a local SMTP server (sendmail/postfix), which is not enabled by default.

- Fixed loading of files when file names contain certain Kanji characters, due to a bug in AppleScript.

- The menu shortcut entries were corrected.

- Characters that require the use of the option key work again. For example, Alt-3 produces the pound sign (£) on a US keyboard, Alt-L the 'at' sign @ and Alt-Shift-7 the backslash \ on a German one. Inputting the Euro sign works, too. *However, that means that the option key is not used to emulate the 'meta' modifier; you will have to use Esc to do that.* Alternatively, you can map the option key to meta in your .emacs file:

  ```
  (setq mac-option-modifier 'meta)
  ```

- Improvements in the fontset selection allow you to display the Euro sign with the default font.

- We have moved Aquamacs to http://aquamacs.org.

  The Aquamacs wiki is now at http://www.emacswiki.org/cgi-bin/wiki/AquamacsEmacs/.

  The Aquamacs bug reporting address is now mailto:aquamacs-bugs@aquamacs.org. This can be accessed from directly within the Aquamacs Help menu.

  The general Aquamacs mailing list is still mailto:macosx-emacs@email.esm.psu.edu; e-mail mailto:macosx-emacs-on@email.esm.psu.edu to subscribe.

- Slightly faster startup.

- Runs on OS X 10.3.9, 10.4.0 and 10.4.—tested.

- Aquamacs automatically checks for updates and notifies the user if there is something new. This function communicates with an internet server; it does not transmit any information identifying the user. If you would like to know more about what is transmitted, use M-x aquamacs-check-version-information. If you like to turn this check off, add this to your file /Users/yourname/Library/Preferences/Aquamacs Emacs/Preferences.el:

  ```
  (setq aquamacs-version-check-url nil)
  ```

- Adding Emacs packages is easier now: Emacs automatically finds packages in subdirectories within the /Library/Preferences— Application Support/Emacs—Aquamacs Emacs/ paths.

- Aquamacs now sets the file creator information of files it writes. This helps to open the file from Finder with Aquamacs when you double-click it. Feature can be turned off via customization option "aquamacs-set-creator-codes-after-writing-files." Also, Emacs will appear in the Finder's context menu under "Open With" for a lot of files that it is commonly used to edit.

- You can start Aquamacs in a terminal (by running /Applications/ Emacs.app /Contents/ MacOS/ Emacs) with parameter -nw and will show up in the terminal rather than as a Carbon application. Basic file editing and all traditional commands work. However, Aquamacs-specific keyboard commands (with the Command key) will not work and other functionality may be limited, too. *Warning:* This mode of use, which may break in future versions, is not supported by the Aquamacs team.

- We make sure that the *Completions* buffer (and similar things) open as a window inside the frame directly above the Minibuffer, and not in a new frame.

- All newly opened frames open in a somewhat useful position, so they are not in the way. (If you do not like this, we suggest you set your own static frame positions via "set current style as default" and also add this to your file /Users/yourname/Library/Preferences/Aquamacs Emacs/Preferences.el:

  ```
  (setq smart-frame-positioning-enforce nil)
  ```

  Or, if you would like to go with the default position all the time, turn the global minor mode off:

  ```
  (smart-frame-positioning-mode nil)
  ```

Fonts

- Aquamacs should not complain about missing fonts any more when you have upgraded from earlier versions and set scalable fonts as default fonts for modes or all frames. They get filtered automatically.

- Users with certain setups (cyrillic Lucida Grande) should not get a "default font not found" error any more.

- "Recursive Minibuffers" are enabled.

- "Subscribe to mailing list" in Help menu.

- PHP-Mode included (M-x php-mode).

- Ruby-Mode included (M-x ruby-mode)

- yes-or-no-p is customizable now. Use the new customization variable aquamacs-quick-yes-or-no-prompt. (Thanks: Pavel Hlavnicka.)

- Soft word wrap (longlines-mode) is available from the Options menu. To make it the default, add this to your preferences file: `(set-default 'longlines-mode t)`

- Case-insensitive search option has gone into "search" submenu (in "Edit").

- If you are in an empty frame (i.e. a frame with an empty buffer) and you load (find) a file, Aquamacs will not open an additional frame. This is useful also for drag and drops, when a scratch frame is open.

- The secondary selection is back: use the Command (Apple) key together with clicking/dragging the mouse cursor over text in order to select text that is not related to the point (cursor). This way, you can select text and then scroll somewhere else. Extend your selection with shift-command-mouse1. To copy/cut the text in the secondary selection to the clipboard, use Shift-Command-C/X, respectively.

- Some key-bindings are more like the original Emacs ones–in particular M-w, which does kill-ring-save again. (Idea: Joe Davison) Also, Home and End keys work as expected.

- No more annoying system "ding" (bell ringing) all the time. The bell is turned off completely, until Emacs developers eliminate the use of the bell on user-initiated abort actions (such as ESC ESC ESC when in minibuffer, of pressing Cancel in the file selection dialog).

- The toolbar is only displayed in normal frames, but not in frames that show help/info buffers. (tool-bar+ and aquamacs-tool-bar packages). Turn such toolbars on/off in Options/Show/Hide menu.

- The "About Emacs" dialogue has been improved.

- Key combinations with the option key that involve another modifier (that is, ctrl or command) will now work, even though simple option combinations are handled by the system to produce special characters.

- The Speedbar is back. Activate in Options/ Show/Hide.

- The redo function is in the Edit menu now.

- New buffers (File / New) open in Text Adapt Fill mode now.

- .save-places and customizations.el do not show up in the recent files list any more.

- auto-save-files (in / Users / yourname /.emacs.d) are now saved to / Users / yourname/Library/Preferences.

- "Save Place in Files in between sessions" will not generate files in the user's home folder any more. Instead, the file goes into / Users / yourname/Library/Preferences/Aquamacs Emacs/ where it belongs.

- Command-' now cycles between different windows (suggested by Joseph Kiniry.)

- Option is mapped to Meta by default, allowing you to enter key combinations such as C-M-easily. If you'd like to map it to alt instead, just add this to your .emacs:

  `(setq mac-option-modifier 'alt)`

- Color Themes: The color-themes package has been integrated in Aquamacs. Use the Option/Color Theme... menu command to choose a set of predefined colors for editing source code or writing texts. This applies to the current frame only, but you can make it the default for all new frames or for all frames in a specific mode with the according menu commands.

- There is a new customization group called "Aquamacs" that allows you to modify the customizations introduced by Aquamacs. This is fairly untested - unexpected results may occur. If so, try to locate and fix the bug and send us a patch. If you couldn't find the problem, please report via Help/Send Bug Report... PLEASE NOTE that a lot of customization variables have changed their names—usually, you just need to prepend 1on1 to them.

- Aquamacs will load your configuration files not just from / Users / yourname/.emacs, but also from the location that is appropriate for a Mac OS X installation:

  / Library/ Preferences /Aquamacs Emacs / Preferences.el
  / Users / yourname/Library/Preferences/Aquamacs Emacs/Preferences.el
  /Library/Preferences / Emacs / Preferences.el
  / Users / yourname / Library/Preferences/Emacs/Preferences.el

  It is recommended to use these instead of / Users / yourname/.emacs on OS X-only installations. The first two files should be used for the host-wide and user-specific Aquamacs configs, the latter two for general Emacs configurations.

- There is a new configuration option that gives you more fine-grained control over how the option modifier key is handled.

- If mac-pass-option-to system is nil, your Aquamacs will get all key combinations. If you press option-3, Aquamacs will see "M-3" (or, depending on mac-option-modifier "A-3"). If it is non-nil, you will simply get the pound sign on a US keyboard.

- TeXniScope support in LaTeX mode (if installed in /Applications).

- We have two great manuals available comfortably via Apple Help now, directly from within Aquamacs Emacs (Help menu). There is a brand-new Aquamacs manual, and there is Richard Stallman's original Emacs manual. They can be searched (e.g. via Spotlight on OS X 10.4). We also provide direct access to the online configuration Wiki, which has been filling up with content nicely. Please contribute; everybody has write access.

Support

Please refer to one of the many sources of information: There are manuals describing Emacs, Emacs Lisp, and the differences in Aquamacs available from the Help menu. Consider reading the Emacs tutorial, which is available in many languages (Help menu). There is also a link to the Aquamacs Wiki, which contains answers to frequently asked questions, as well as configuration tips. If these fail you, get in touch with the Aquamacs community via the Emacs-on-OSX mailing list (see `http://aquamacs.org/support.shtml`).