

= MacPaint =

MacPaint is a bitmap @-@ based graphics painting software program developed by Apple Computer and released with the original Macintosh personal computer on January 24 , 1984 . It was sold separately for US \$ 195 with its word processor counterpart , MacWrite . MacPaint was notable because it could generate graphics that could be used by other applications . Using the mouse , and the clipboard and QuickDraw picture language , pictures could be cut from MacPaint and pasted into MacWrite documents . Pictures could also be cut from MacPaint and pasted into the resource fork of any application via ResEdit , allowing application internationalization .

The original MacPaint was developed by Bill Atkinson , a member of Apple 's original Macintosh development team . Early development versions of MacPaint were called MacSketch , still retaining part of the name of its roots , LisaSketch . It was later developed by Claris , the software subsidiary of Apple which was formed in 1987 . The last version of MacPaint was version 2 @.@ 0 , released in 1988 . It was discontinued by Claris in 1998 because of diminishing sales .

= Development =

MacPaint was written by Bill Atkinson , a member of Apple 's original Macintosh development team . The original MacPaint consisted of 5 @, @ 804 lines of Pascal computer code , augmented by another 2 @, @ 738 lines of 68000 assembly language . MacPaint 's user interface was designed by Susan Kare , also a member of the Macintosh team . Kare also beta @-@ tested MacPaint before release .

MacPaint uses two offscreen memory buffers to avoid flicker when dragging shapes or images across the screen . One of these buffers contained the existing pixels of a document , and the other contained the pixels of its previous state . The second buffer was used as the basis of the software 's undo feature . In April 1983 , the software 's name was changed from MacSketch to MacPaint . The original MacPaint was programmed as a single @-@ document interface . The palette positions and sizes were unalterable , as was the document window . This was different from other Macintosh software at the time , which allowed the users to move windows and resize them .

The original MacPaint did not incorporate a zoom function . Instead of a zoom function , a special magnification mode called FatBits was used . FatBits showed each pixel as a clickable rectangle with a white border . The FatBits editing mode set the standard for many future editors . MacPaint included a " Goodies " menu which included the FatBits tool . This menu was named the " Aids " menu in prerelease versions , but was renamed " Goodies " as public awareness of the AIDS epidemic grew in the summer of 1983 .

= Release and version history =

MacPaint was first advertised in an 18 @-@ page brochure in December 1983 , following the earlier announcement of the Macintosh 128K . The Macintosh was released on January 24 , 1984 with two applications , MacPaint and MacWrite . For a special post @-@ election edition of Newsweek in November 1984 , Apple spent more than US \$ 2 @.@ 5 million to buy all 39 of the advertising pages in the issue . The Newsweek advertisement included many pages dedicated to explaining how MacWrite and MacPaint worked together . After launch , a New York Times reviewer noted how MacPaint unfolded numerous graphic possibilities for the personal computer ; he went further to say " it is better than anything else of its kind offered on personal computers by a factor of 10 . "

MacPaint 2 @.@ 0 was released on January 11 , 1988 by Claris . It added many improvements to the software , including the capability to open and use up to nine documents simultaneously . The original MacPaint operated as a single @-@ document application with a non @-@ movable window . MacPaint 2 @.@ 0 eliminated this limitation , introducing a fully functioning document window , which could be sized up to 8 x 10 " . Several other features were introduced , such as a Zoom tool , MagicEraser tool for undo actions and stationary documents . MacPaint 2 @.@ 0 was developed by David Ramsey , a developer at Claris . MacPaint 2 @.@ 0 was sold for US \$ 125 ,

with a US \$ 25 upgrade available for existing users of MacPaint . Claris discontinued technical support for the original MacPaint in 1989 . Claris stopped selling MacPaint in early 1998 because of diminishing sales . There has been an unofficial update called MacPaint X which is 3 @. @ 0 beta , mainly for people who wished to be able to use the program .

Since 2010 MacPaint 1 @. @ 3 's source code (written in a combination of Assembly and Pascal) is available through the Computer History Museum , along with the QuickDraw source code , a library to draw bitmapped graphics , due to the support of Steve Jobs .

MacPaint inspired other companies to release similar products for other platforms ; within a year a half @- @ dozen clones existed for the Apple II and IBM PC . Some of these included Broderbund 's Dazzle Draw for the Apple II , Mouse Systems ' PC Paint for the PC , and IBM 's Color Paint for the IBM PCjr .

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