

PixFolio - Windows Image Viewer and Catalog Manager (Shareware)
Version 2.0

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PixFolio is a Microsoft Windows program that can view a variety of bitmapped graphics formats and maintain multiple catalogs of images.

The graphics formats currently supported are:

- BMP/DIB- Windows Bitmap
- CLP - Windows clipboard file
- DRW/GRF - Micrografx draw and graph files.
- EPS - Encapsulated Postscript with imbedded TIFF preview images.
- FLI/FLC - Autodesk Animator and Animator Pro (tm) files.
- GIF - CompuServe Graphics Interchange Format
- ICO - Windows Icon
- ICS - Image Cytometry ICS files.
- IFF - IFF/LBM (Amiga) used by Computer Eyes frame grabber.
- IMG - GEM/IMG (Digital Research).
- JPG - JPEG
- MAC - Macintosh MacPaint files.
- PCT - Macintosh PICT files.
- PCX - Microsoft Paint & PC Paintbrush
- RLE - CompuServe Run Length Encoded
- TGA - Targa
- TIFF- Tag Image Format. Most formats including 24 bit color are supported.
- WMF - Windows Metafile.
- WPG - WordPerfect Graphics

Note: Not all variations that may be possible in the above file formats have been tested due to lack of suitable test files.

*** Optional features ***

PixFolio supports the additional file formats if you purchase the optional, extra cost (\$15) PixFolio-Plus PCD/multimedia upgrade. This option requires that you have a Photo CD capable of reading KODAK Photo CDs and in the case of Video for Windows and/or Quick Time that your machine has the necessary Windows software. The PCD/multimedia, PixFolio-Plus option is available only to registered users of PixFolio because of licensing agreements on some of the support modules.

- AVI - Video for Windows. (Requires Video for Windows)
- MID - MIDI music files.
- MOV - Quick Time movie files. (Requires Quick Time for Windows)
- PCD - KODAK Photo CD.
- WAV - WAVE sound files.

Note: MIDI and WAV files can be cataloged just like image files; a placeholder bitmap is provided for screen and catalog displays.

The major feature of PixFolio is the ability to build catalogs of images, that may reside on different disks. The catalog can then be searched and images can be easily located. Provisions are made for saving a primary and backup location for the image concurrently. To enhance searching for a particular image the program can display postage stamp images in a matrix.

The ability to read an image in one format and to save it in another allows the program to be used as a file conversion utility.

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The author will make a reasonable effort to correct problems and software bugs relating to documented features of the program for registered users. The author intends to make continuing improvements to the program including supporting additional file formats. To this end, comments and suggestions are welcomed.

Users may contact the author, Allen C. Kempe on CompuServe (71220,23), on GENie at A.KEMPE, INTERNET: allenk@iglou.com or in writing at:

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Main Features

PixFolio utilizes Microsoft's MDI (Multiple Document Interface) so that multiple images can be open concurrently.

File Menu:

New File - create a blank image suitable for pasting from the clipboard.
Open File - Open a new file for viewing.
Save File - Save an image, possibly in a different format.
Move/Copy file - Move or copy a file.
Delete - Delete a file.
Print - print all or part of an image.
Select Printer - select a printer
Close

Catalog Menu:

Select catalog: Create, delete, select or rename an image catalog.
Catalog. Create or update a catalog entry for a displayed image.
Browse Catalog. View catalog entries one by one; select a subset for viewing.
Build Catalog. Create catalog entries for groups of images.

View thumbnails of catalog entries.
Print Catalog Entries. Two formats are provided.
Export - Export the contents of a catalog for input to a database or spreadsheet.
Rebuild Catalog Index. Recover lost space in file and compact it.

Edit Menu:

Paste palette and image from clipboard.
Copy all or part of an image to the clipboard.
Cut a selected area from an image.
Crop an image.
Expand an image to fill the dimensions of the current window.
Resize an image by a percentage amount or fit to a given dimension.

Options:

Set background color used when image is expanded.
Set whether to use a solid or pattern background color.
Display DIB or Bitmap format.
Control whether warning messages will be displayed.
Establish default operating options.

Palette Options:

Palette manipulation (Brightness and contrast).
Convert to gray scale.
Dither to Black & White or color palette.
Play a GIF animation sequence.
Single step through a GIF animation sequence.
Change the speed of a GIF animation sequence.

Capture:

Capture the contents of another screen or the Windows desktop.

Other:

Using the mouse in the main viewing window, a marquee can be selected for copying or cutting to the clipboard. The right mouse button can be used to draw a stretch marquee where the selected image rectangle is copied.

Help:

Context sensitive help is included for all menu items.

****** Other Features ******

PixFolio version 2.0 supports OLE version 1.0 as a server only. PixFolio will automatically register itself as an OLE server the first time that it is executed.

PixFolio will accept "Drag and Drop" filenames from File Manager.

******* Equipment Requirements *******

While PixFolio will execute in a minimal Windows installation, for example, a 286 with 2 megabytes of memory, program operation will be severely inhibited by a lack of memory. On such a configuration, large bitmaps, especially 8 or 24 bit images may fail. Other applications could be adversely affected as well and fail with unexpected UAE's. Actual results will vary depending upon

the amount of memory used by other applications running concurrently.

PixFolio was developed and tested on a 20-MHz 386 with 8 megabytes of memory. It is recommended that PixFolio be run on a machine with at least 4 and preferably, 6 megabytes of memory. Running in 386-Enhanced mode will also make available the benefits of virtual memory.

The display of images containing more than 16 colors requires that you have a Super VGA or better video display and a 256 color Windows device driver in order to display the full range of colors in the image. However, PixFolio incorporates dithering functions that will allow display of a 256 color image using a 16 color driver such as the standard VGA driver. Such operations are slow and the results are not as good as if you have a video display capable of displaying 256 colors.

***** Program Limitations *****

PixFolio has no limit on the number of catalogs that can be created or the size of these catalogs except as noted below and the amount of available memory. However, the following points should be noted:

1. PixFolio 2.0 will only run under Windows 3.1 or higher. Catalog file formats are compatible with PixFolio version 1.04 with one exception: if the text in a catalog entry's description exceeds 1200 bytes, the catalog cannot be read by versions of PixFolio prior to version 2.0.
2. The size of a catalog is limited by the amount of disk space where it resides or 2,048 index entries. Catalog records are variable length and depend upon the type of image and how big the comments are. It is recommended that for performance reasons that catalogs be limited to less than 2000 entries. This limitation does not apply to the NT version of PixFolio.
3. PixFolio may encounter difficulty with extremely large images, those in excess of 1024 x 768 pixels. This is particularly true of color images and even more so by 24 bit color or gray scale images. This is primarily due to the increased memory requirements.
4. While PixFolio and Windows supports 24 bit color and gray scale images, the display of such images using a video driver that only displays 256 colors, can result in some lengthy delays whenever windows has to realize the 24 bit RGB data to an 8 bit palette. It may take 15 to 20 minutes to realize a 640 x 480 image depending upon the speed of your machine. Dithering a 24 bit image to 256 colors can take more than an hour in some cases. If you plan to work with 24 bit images, you may wish to invest in a video board that supports "high color". One such board that appears to work quite well is the ATI VGASTEREO F/X card.
5. The support for GIF animation in PixFolio requires large amounts of free memory. GIF animation files with a large number of frames or overlays may unexpectedly fail if PixFolio runs out of memory.

Autodesk FLI/FLC animation files likewise require large amounts of memory. To provide maximum performance, the entire image is loaded into memory to reduce delays caused by reading from disk. A lack of physical memory that requires Windows to utilize paged virtual memory (in 386 Enhanced mode)

can result in "jumpy" animations. In addition a high performance video board and driver is recommended to optimally display animation files without pauses that destroy the effect.

6. PixFolio has not been rigorously tested in a network environment. The affect of network operations and more than one user accessing PixFolio files concurrently cannot be predicted.

7. Not all graphics formats are supported equally with respect to reading and saving a file. For example, not all of the compression options are currently supported for saving TIFF images. GIF images can only be saved in GIF87a format. Likewise, some of the more obscure or obsolete formats such as 4 color CGA formats for PCX cannot be written although they can be read.

CCITT Group 4 TIFF file comprssion formats are not supported at this time.

8. The author has not been able to test PixFolio with printers that print in color in Windows 3.1 except for an Epson 2550.

One user has reported that PixFolio give very good results printing color images on Start Micronics NX-1000 Rainbow and NX-1020 printers but you must obtain the OEM driver from Star Micronics. Use of HP Deskjet 500C printers requires obtaining the latest drivers.

Printer performance when running under Windows 3.1 is much improved. It is both faster as well as of higher quality. Changes to the printer drivers also enable printing to color printers such as the Epson LQ-2550.

9. The implementation of Micrografx .DRW and .GRF files is not rigorous. Some features of these files are not supported. Unless you have Adobe Type Manager or scalable typefaces, the rendition of fonts used in these files may not be optimal when Windows matches fonts.

10. If you have the KODAK Photo CD optional package, you may not be able to render images at the highest resolution (16BASE) unless you have at least 8 megs of ram and a 34 meg swap file. These are limitations of the KODAK PCD software, not PixFolio.

11. Other program limitations, if any, can be determined by accessing the online context-sensitive help.

***** Installation and Getting Started*****

If your copy of PixFolio was received on a distribution diskette, the installation should be done from within windows by running "SETUP" from drive A: or B: (whichever is appropriate). This is important as the files on a distribution diskette are compressed. Otherwise, the following installation procedure should be followed:

It is suggested that the files which constitute PixFolio be placed in their own subdirectory on your hard disk. These files are:

PIXFOLIO.EXE (PIXFOL32.EXE - NT/WIN32S)
PIXFOLIO.HLP (PIXFOL32.HLP = NT/WIN32S)

SPIN.DLL
METER.DLL
PIXDLL.DLL
PIXIODLL.DLL
PIXHELP.DLL
PIXCATLG.DLL
PIXTIFF.DLL
PIXGIF.DLL
PIXFLIC.DLL
PIXWPG.DLL
PIXJPEG.DLL
PIXCNTRL.DLL

Once the above files have been located in the subdirectory of your choice, start Windows and then use the Program Manager "Add" command to add PixFolio to the desired program group.

When PixFolio runs for the first time, it will establish a section in your WIN.INI file with program variables. These default options should enable you to start using PixFolio immediately. Once PixFolio is running you may access the online Help command for specific instructions and explanation of PixFolio menu commands.

A quick review of PixFolio features and operating procedures can be gained by reviewing the user guide.

***** Credits *****

The author of PixFolio would like to recognize the efforts of Mr. Paul Hachey, (CompuServe Id 76625,2644) who performed an invaluable service by getting deeply involved in the extensive testing that went on over a period of months. Paul is responsible for the design of the PixFolio cover page, Icon and "About" dialog box and his many suggestions greatly influenced the "look and feel" of PixFolio.

Other people who have participated in the testing of PixFolio include:

Luis Alvarez
David Brune
Monte Davis
Bruce DeVries
Sean Gonzalez
James Horner
Tom Little
John Sabo

Their help is appreciated.

Recent Changes:

***** Version 2.0.27 *****

200. Correct problem with setting default tile type in File Save As.

201. Insure that default file save options are set properly before a File Save is executed.

- 202. Eliminate error message "Cannot Render Bitmap" that occurs when copying to the clipboard and the DIB to Screen option is turned on.
- 203. Insure that cancelling a read DRW file will terminate clean without extraneous errors or UAE's.
- 204. Correct error that prevented creating a catalog on a removable drive that was overridden with a "Primary Drive" parameter.
- 205. Correct a crash that occurs when clicking on a thumbnail's title in Alpha sequence.
- 206. Added file size, date & time to Tech Info.
- 207. Added help to error and warning messages associated with creating a new catalog.
- 208. Insure that thumbnail view gets re-drawn after a Catalog Build operation.
- 209. Dropping a file on Pix now works.

***** Version 2.0.28 *****

- 210. Got JPEG version 3 working.
- 211. Fix favorite directory commands so that they set the DOS current drive.
- 212. Correct TIFF and TGA write routines to pass the correct file name. Also, correct error message if write fails to "Error writing file".
- 213. Allow Cancel button on Build dialog to be used while a Build is going on to cancel the Build.
- 214. Check "Stop on Error" and if not on, proceed after an error during a build operation.
- 215. Correct creation of thumbnails for 2 color images so that the colors aren't reversed.
- 216. Display the same list of supported file types that appears for file open for the Build dialog.
- 217. Add necessary logic to read Group 3 FAX files.
- 218. Add support for CompuServe RLE files.

***** Version 2.0.29 *****

- 219. Eliminate possibility of causing a GPF if user presses the "Update" button while the thumbnail bitmap is being created.
- 220. Eliminated bogus error "file already exists at" when re-cataloging an image.

***** Version 2.0.30 *****

- 221. Add '&' operator for searches to do a logical AND of search criteria.
- 222. Fix TIFF write compress option.
- 223. Allow up to 60k of Description data in catalog description entries.
- 224. Prevent a 2nd copy of PixFolio from running.

***** Version 2.0.31 *****

- 225. Correct display of status bar when copying files.
- 226. Improve status messages displayed while printing.
- 227. Got rid of "Undefined Error" and "Cannot Allocate Memory" messages that sometimes occurred while reading files. This error occurred when the current data directory contained DLL's from PixFolio 1.04; as a result, the 1.04 DLL of the same name got loaded instead of the 2.0 DLL.
- 228. Correct a print error: "Play Metafile failed".
- 229. Make Slideshow more responsive to clicking with the left mouse button to stop.
- 229. Correct file type list in Catalog Build.
- 230. Stretch to Window option now maintains correct aspect ratio.
- 231. Images that are larger than the screen in slide show will be shrunk to fit.
- 232. Correct generation of DIB bitmaps for WPG & CGM files; image is no longer upside down.
- 233. Correct translation of metafile formats to clipboard metafile formats.

***** Version 2.0.32 *****

- 234. Retrieve metafile from .CLP format if one is present.
- 235. Restore the PixFolio window to normal size if it is an icon and a file is dropped on it.
- 236. Got rid of palette corruption that occurs before a slide change.
- 237. Make sure that file save options are set to previous values when the options button is pressed.
- 238. Correct GPF that occurred when selecting IFF format save. Correct creation of 24 bit IFF files.
- 239. Correct realization of user selected color resolution when saving files.
- 240. Insure that file type dropdown list is set to file type if a file is

selected from the listbox in File Save As.

- 241. Correct GPF that occurs after displaying a file that was just read in.
- 242. Implement compression option for LBM/IFF files.
- 243. Display status bar if a bitmap has to be built during a file save operation so the user doesn't think the machine is hung.
- 244. Correct GPF that occurs when saving a 24 bit image in JPEG format.
- 245. Correct error whereby bitmap memory objects are not getting deleted during a print catalog operation resulting in an "out of memory" condition.
- 246. Eliminate some strange effects and probably a crash if the thumbnail image is clicked during a Build operation.
- 247. Correct palette corruption that occurs after slide show is done.

***** Version 2.0.33 *****

- 248. Insure that input focus is set to the Title entry box in the catalog information dialog box after the Thumbnail is drawn.
- 249. Fix palette corruption tot thethumbnail view window when another image was opened or activated.
- 250. Eliminate erase of child windows when another was created or destroyed.
- 260. Correct percent display on print when certain larger font sizes were being used.
- 261. Correct GPF's and crashes when cancelling a print of a WPF or CGM file.
- 262. Correct placement of Page number for thumbnail catalog print.
- 263. Correct print of WPG, CGM and DRW images printing blank.

***** Version 2.0.34 *****

- 264. Add code to allow 1 and 4 bit IFF file saves.
- 265. Move page number for full catalog prinout to lower right of page.
- 266. Add Verify Catalog and Display Status Bar options to Default Options dialog box.
- 267. Add Delete Marked and Save Marked options to Process Thumbnails.
- 268. Correct error in reading 24 bit files that causes these images to be written (if saved in a different format) without a palette.
- 269. Read the first frame of a FLIC animation when building a catalog so that the thumbnail is not all black.

270. Add help topic for Print dialog box.

271. Add "omit description" option for Catalog Export function. If selected, the description will be written out as a null field, i.e: "".

272. Add "Repeat Show" option to slide show. Make sure that cursor is turned off during slide show.

***** Version 2.0.35 *****

273. Make better use of available space to create as many thumbnails as possible in Thumbnail View.

274. Correct a problem with the "Export" button's text changing to "copy" when the "Omit Description" checkbox is selected.

275. Insure that minimum timeout occurs after last slide in slideshow.

276. Correct writing of Slide repeat option to Win.INI.

277. Insure foreground palette for slide show to eliminate corruption of colors.

278. Insure that the catalog for the active Thumbnail view is used for a catalog print or export operation.

279. Display 0% when starting a new page to print, not 100% until 1st thumbnail has been formatted.

***** Version 2.0.36 *****

280. Correct display of CGM images with non-zero origins.

281. Correct background color for CGM images.

282. Correct interpretation of colors in CGM images when no Color Selection Mode is specified.

283. Correct erroneous display of help information after selecting Setup option in the Print dialog.

284. Correct "Favorite Directory" display the next time when an existing entry other than the first is selected.

285. Correct on-line help for error messages.

286. Display hidden now works.

287. Changed Export dialog so that checkbox now reads "Omit Description".

288. Omit default extension list in File Save As which sometimes displays as a blank selection.

289. Apply horizontal scrolling to catalog tile entry to allow entry of titles that are longer than the box.

290. A default font named "Helvetica", 10 points, will be the default font when a printer is selected for the first time.
291. Eliminate extra screen repaint when moving the sliderbar in thumbnail view.
290. Correct invalid display that occurs when DIBToScreen and Center image options are active: when the window is maximized, the image is displayed with part of the leftmost portion of the image to the right and then Windows "hangs". These symptoms occurred when using an 8514 type video display (8414, ATI Ultra, ATI Vantage, etc.).
291. Change CGM read routine to eliminate realization of a new palette during slide show resulting a corrupted palette for the preceding slide.

***** Version 2.0.37 *****

292. Insure that favorite directory list gets appended to File menu even when the child window is maximized.
293. Allow thumbnail to be dragged to a location in the catalog that is not currently in view by scrolling the thumbnail view when the thumbnail is dragged to the top or bottom of the thumbnail view window.
294. Check for messages when displaying FLI files to insure that the user can close the image.
295. Restore previous window dimensions when "undoing" an operation such as a rotate or expand.
296. Double clicking with the right mouse button on an image will cause the catalog card file dialog to be displayed.
297. Correct problem reading compressed PCX files resulting in either a partially corrupted image or a GPF.

***** Version 2.0.38 *****

298. Correct minor problems with Thumbnail view: window gets corrupted when in alpha sequence and a window is moved; thumbnail window frames disappear after moving a window and view is scrolled; "No Move" cursor modified to be more visible; hourglass cursor displayed while thumbnails are scrolling.
299. Removed ability to double click on a thumbnail title, making it flash and then clicking in another thumbnail view to move the thumbnail.
300. File Save was not always saving to the correct file name.
301. Correct error which resulted in not being able to paste to a "new" image.
302. Advance to next slide if a FLIC animation and the number of animation passes has been satisfied even if the duration limit has not been reached.

303. Disable scrollbars in thumbnail view when there are less entries in the catalog than will fit on the screen.

***** Version 2.0.39 *****

304. Make changes to timer function that drives FLIC animations that resulted in problems with being able to stop a FLIC and also resulted in bits and pieces of the flic being left on the screen when full screen view was selected.

305. The underline under the "O" in "Options" in Catalog Browse is now retained when the button is used.

306. Full screen view was broke in version 2.0.38.

307. "Default Extensions" in Catalog Select changed to "Default Option(s)".

308. Corrected the test for a duplicate catalog name in Catalog Select.

309. PixFolio will now use the size and position of the previous use when the program is started.

310. Correct C runtime error which occurs when selecting the "Scale" option in Options for an image.

311. Add confirmation dialog box to Select Catalog - Delete option to prompt user before deleting a catalog.

312. Changed Amiga IFF to read "Amiga LBM/IFF" in File Save.

313. Eliminate error: "Error freeing Catalog Buffer" when "no" is the response to question about whether to display the whole catalog in slide show.

314. WMF images will now display properly even if the "Stretch to Fit" option is turned off.

315. Prevent user from attempting to save a 1 or 4 bits per pixel image as a JPEG file.

316. Do not allow selection of 1 or 4 bits per pixel for TGA files.

317. Insure that Save As to BMP file works when the DIB TO Screen option is active.

318. Do not "mark" items that are not selected when the "Mark All" option of Process Slides is performed.

319. Display a PM (OS/2) bitmap properly if the DIBToScreen option is active.

320. Correct generation of palette for Device Dependent Bitmap (DIB) for WMF files if the WMF file has an imbedded palette. This will eliminate palette corruption when exported to a Bitmap format image (TIF, BMP, GIF, etc).

321. Bypass move/copy operation in Process Thumbnails if the source and target directories are the same. Insure that files are not left open when an error occurs.

***** Version 2.0.40 *****

322. Background color for new 2 color image will be the current background color.

323. Add warning message for Catalog Browse - Delete File when file is not found. Also, insure that catalog index is re-written to disk after an entry is deleted.

324. Don't try to flush catalog index (write to disk) if catalog is read only.

325. If multiple files are selected in Thumbnail View - Recatalog, the Copy/Move option selected on the 1st image will be used for the remaining images.

326. Correct hang that occurs when answering "No" to slide show warning dialog when no slides are marked.

327. Correct GPF that occurs when cataloging a PM (OS/2) bitmap.

328. Correct erroneous error message "Maximum number of windows opened." caused by window count not getting decremented when a thumbnail view window is closed.

***** Version 2.0.41 *****

329. Correct GPF that occurs when doing an OLE insert object command from another application.

330. Correct display of appropriate status bar information when switching between thumbnail view and image windows.

331. Eliminate "SetDIBitsToDevice Failed" error. Print banding could cause this to be displayed erroneously.

332. Correct problem with display of DRW files; file would not display unless Stretch to Fit option was on.

***** Version 2.0.42 *****

333. Correct serious bug that causes duplication of catalog entries.

334. Create New catalog function did not work because of error in setting the path.

***** Version 2.0.43 *****

335. Display the volume Label for the default directory when the "create" option is selected in Catalog Select.

336. Correct "Error reading Frame 4" when displaying a FLIC file.

- 337. Correct printing of single catalog selections.
 - 338. Correct printing of PM style BMP files in catalog print.
 - 339. Correct operation of Build dialog box.
 - 340. Correct display of bitmap in About box.
 - 341. Correct check for duplicate catalog name in Select Catalog.
 - 342. Correct warning error displayed when deleting a catalog; display the correct catalog name being deleted.
 - 343. Save maximized state for startup the next time.
 - 344. Correct crash that occurs when cataloging an RLE style BMP file.
 - 345. Mark all option of Process Thumbnails will no longer mark all files disregarding files that had been selected out by Browse.
 - 346. Correct crash that occurred when pasting from clipboard.
 - 347. Correct error which caused some thumbnails to come out black.
 - 348. Correct several problems with File New function:
 - a. Make sure that only one radio button is turned on when there is a palette in the clipboard.
 - b. A new 2-color bitmap will ignore the current background color; only black and white is allowed.
 - 349. The default extensions as set in the Startup Options dialog will now be used to set the default extensions when creating a new catalog.
 - 350. Correct error in decoding TGA files that were created by PixFolio that destroys TechInfo data.
 - 351. Add logic to accept 1st character of a name to scroll the thumbnail display to.
 - 352. Correct crash that occurs when Slide Show terminates.
- ***** Version 2.0.44 *****
- 353. Selecting a new printer will no longer change any of the print options already selected.
 - 354. Added a blank line between the Catalog Title line and the first row of thumbnails on the Thumbnails printout.
 - 355. Made minor adjustments to the Startup Options dialog box.
 - 356. Corrected a serious error that crashes the PC when attempting to do a paste from the clipboard in some cases.
 - 357. Corrected a problem in the mirror options of Edit - Resize where the

mirrored image was stretched to fill the entire screen.

358. Corrected the display of the palette index display at the bottom of the palette windows.

359. The Startup Options dialog now displays "Stretch to Fit Window".

**** Version 2.0.45 ****

360. Add option to accept and set default Keywords in catalog entries being added or updated.

361. Make program name a symbolic value in various modules to permit easily renaming program.

362. Correct writing of 24 bit images as JPEG files; colors Blue and Red were reversed.

**** Version 2.04.46 **** (1st release)

363. Correct generation of color palette for CGM images.

364. Correct a problem painting images when DIB to Screen is active. If image is larger than the window, sometimes only a portion of it get painted.

365. Allow MAC images to be read even if the MACBINARY header is not present.

**** Version 2.0.47 ****

366. Correct line colors in CGM graphics.

367. Provide for changing page margins and thumbnail size in Catalog printouts.

368. Notify the user if the location of the program has changed from what is entered in the registration database where the OLE server information is kept.

**** Version 2.0.48 ****

369. Correct GPF that occurs when writing WMF files.

370. Change coordinate system for internal metafiles created from WPG & CGM files so that WMF files exported can be read by WINWORD and other applications that accept WMF files.

371. Change error message that displays when requesting a floppy disk volume change to indicate "???" if no diskette is present or the diskette has no volume label. Also, eliminate "System Error" dialog box if no diskette is in the drive when making a volume label check. Don't attempt to update the online volume table if there is no volume mounted.

372. Correct problem that causes a GPF when PixFolio is called as an OLE server and no windows are open.

***** Version 2.0.49 *****

373. Correctly generate display bitmap when reading a JPEG file using a 16 color video driver.

***** Version 2.0.50 *****

374. Correct generation of catalog index name when path contains subdirectory names with extensions; e.g. "c:\test\test.sub\".

***** Version 2.0.51 *****

375. Restore Window if minimized when called as an OLE server so that thumbnail view will be visible.

376. Pick up display sequence so that Slide Show will be in the same sequence as Thumbnail view.

377. Correct error in writing out Slide Show options: Show cursor. Add slide show options to default menu.

378. Display hourglass cursor while reading images in Slide Show.

379. Prevent intermittent GPF from occurring when Slide show window is closed.

380. Made numerous changes to insure that hourglass cursor is displayed when appropriate.

381. Correct GPF that occurs when dithering a PM bitmap.

382. Removed Restore Palette menu item. Use Undo instead.

***** Version 2.0.52 *****

383. Corrected palette corruption problems when a thumbnail view is being displayed.

384. Correct operation of accelerator keys and tab stops in Launch dialog. Eliminate duplicate accelerator keys on main menu by changing the accelerator for Capture from ALT-C to Alt-a.

***** Version 2.0.53 *****

385. Add -v (or /v) command line option to initiate a thumbnail view at start up. See usrguide.wri for specifics.

386. Correct GPF that occurs if PixFolio was called as an OLE server and is closed without selecting an object.

387. Correct problem with OLE server function: client application reports that it can't establish connection with PixFolio.

388. Correct generation of default catalog pathname when Pixfolio is run the first time.

***** Version 2.0.54 *****

399. Correct turning off of hourglass cursor following a catalog build.

***** Version 2.0.55 *****

400. Reverse orientation of bitmaps imbedded in WPG files. Add patch to recover from erroneous COLORMAP size specification in some WPG files.

401. Add support for external PCX filter to replace the built-in PCX read routine if one is available.

402. Default to previous compression mode for PCX, IFF & TIF files.
NOTE: Some programs, including Paintbrush cannot read uncompressed PCX 2 color files.

403. Correct an error in setting the file extension in File Save-As.

404. Scale up to a reasonable viewing size, metafiles created by one of the graphics import filters such as PCX.

***** 2.0.56 *****

405. Correct GPF that occurs when printing catalogs.

406. Add error message in catalog print to abort the operation if the paper size is too small.

407. Change the Cancel button in Catalog Build to "Done" when a build is complete.

408. Add comment under Description entry box in the Catalog Entry dialog about CTRL-ENTER being used to start a new line.

***** Version 2.0.57 *****

409. Fix GPF that occurs after pressing OK in the Select Printer dialog.

410. Disable main window while doing a Build to prevent a conflicting action from being selected.

411. Eliminate the error message that a file is invalid during a build if the display warning messages option is turned off.

412. Correct generation of DIB corresponding to CGM, DRW & WPG images so that a File Save-as does not get converted to B/W when a 4 color BMP is desired.

***** Version 2.0.59 *****

413. Fix problem with hourglass cursor not getting turned off following a paste operation.

414. Correct display of marquee for cut & paste when scrollbars are shown and/or center image option is active.

415. Change WPG and CGM images to use solid rather than dithered colors.

416. Add option for printing catalog thumbnails to print the file name without the file extension. This option may be useful for printing catalogs where all of the images are of one file type, e.g. *.CGM. To implement it, place the following line in the *.INI file [PixFolio] section:
PrtCatExt=NO. The default is "YES".

417. Add option to print the file name under the thumbnail in the catalog thumbnail printout. To implement it, place the following line in the *.INI, [PixFolio] section: PrtCatTop=NO. The default is "YES".

***** Version 2.0.60 *****

418. Correct @P... search option in Catalog Browse.

419. Correct error in detecting a NULL volume label and eliminate erroneous error messages that say to mount volume "???".

420. Change Status bar and print dialog to use resource strings.

***** Version 2.0.61 *****

421. Make sure cursor is turned on when viewing image full screen so that scrollbars can be manipulated.

422. Make changes in CLP & WMF routines for NT version.

423. Force decoding of GIF87a image that has erroneous image origin values that would cause the image to be off or partially off of the window by setting the image origin to (0, 0).

424. Correct error when writing RLE format bitmaps: file size written was incorrect; the size written was of an uncompressed bitmap.

425. Change method of storing thumbnail bitmaps in catalog entries by storing them as RLE compressed bitmaps. This will result in a 10 to 50% reduction in the size of catalogs. Catalog entries of clip art type image will realize the best savings while photograph type images may, in some cases take more space.

426. Make warning message that a catalog entry already exists at some other location dependent upon the display warning messages option.

427. Correct Catalog Info display to show unused space that could be retrieved by packing the index file. This space will be reflected in the "deleted" size field.

***** Version 2.0.62 *****

428. Make changes to registration edit and setup program.

***** Version 2.0.63 *****

429. Add ability to create WPG (bitmap format) files.

430. Fix problem: Options window for image would not display if there was no DIB for the image.
431. Fix problem that prevented DIB from being created when reading a WPG or other metafile based image.
432. Fix problem that causes a GPF when saving a PM Bitmap to another format.
433. Fix GPF that occurs when selecting a PM bitmap image as an OLE object.
434. Correct "hang" that occurs when OLE Server is not closed before another OLE request comes in.
435. Revise how WPG images are sized by properly calculating scaling factor using one WPU = 1/1200 inch.
436. Clip thumbnails when printing so that they don't extend outside of the bounding rectangle.
437. Correct problem where printing can't be aborted if printing catalog from catalog entry thumbnails.
438. Eliminate "Beep" when a file is not found.
439. Compute and display estimated number of pages to print in print abort dialog.

***** Version 2.0.64 *****

440. Eliminate temporarily displaying Program manager or other windows while doing a catalog operation.
441. Correct generation of 16 color thumbnails by the catalog image function.

***** Version 2.0.65 *****

442. Add support for Macintosh PICT files.
443. Add hooks for optional KODAK Photo CD support.
444. Correct miscellaneous problems with CGM files:
- Eliminate several error messages about unsupported CGM records.
 - Generate a color table when image doesn't have one and specifies absolute color references.
 - Handle a situation where the image extents are negative.
 - Add error message when image calls an undefined font.
 - Handle situation where image uses 16 bit color values by truncating them to 8 bits.
445. Prevent a drive not ready message when searching for on-line drives to find a volume where an image is located.
446. Correct display of information in error dialogs when wrong volume is mounted in a floppy drive.
447. Adding support for Video for Windows AVI files.

***** Version 2.0.66 *****

- 448. Add checks for AVI MCI support installed.
- 449. Change Options menu selections under Options to "Display and Print".
- 450. Eliminate "Move" button on Catalog dialog when cataloging a new item.
- 451. Add Support for Image Cytometry Standard ICS files.
- 452. Correct problem with small PICT bitmaps.

***** Version 2.0.67 *****

- 453. Changed Rebuild Index to exit cleanly if it encounters an "out of disk space" situation while creating the work file. Such a situation could occur when using Stacker or any other disk compression method that is inherently unable to accurately predict the amount of free space on a volume before the Rebuild starts. The Rebuild function will search for the drive that has the most free space (as reported by DOS) and will proceed if it feels enough is available.
- 454. Correct creation of initial catalog entry in WIN.INI when program is run the first time.
- 455. Correct problem where PixFolio will not start if optional Video AVI support is present but Video For Windows is not installed on user's PC.
- 456. Updated JPEG support to version 4.0. Correct generation of palette when reading grayscale JPEG images.
- 457. Prevent a screensaver from interrupting if a build is in progress.
- 458. Correct error in Build that causes intermittent GPF's because of a stack corruption problem.

***** Version 2.0.68 *****

- 459. Correct GPF in PIXAVI.DLL that occurs when trying to print an image.
- 460. Correct rendering of background colors for CGM files.

***** Version 2.0.69 *****

- 461. Slide show won't display all of the thumbnails marked if the catalog contains "deleted" entries.
- 462. The build file name is not displayed properly in the Build dialog box.
- 463. A newly created catalog was not being selected even if the user selected "yes".

464. If you press OK or enter when entering values in the resize dialog, the last field is ignored.

465. Show All in the Build dialog was not working.

466. ICS images that have a width that is not a multiple of two were not being displayed properly.

***** Version 2.0.70 *****

467. Correct a problem that causes a GPF when attempting to do a Build if the current list of file extensions exceeds 128 bytes.

468. Add an informative message to the Tech Info for Photo Cd files so that if the load of an image, say at 16 BASE resolution fails, an appropriate message will be produced.

469. Handle AVI files in Slide Show.

470. Elaborate in NewFrame error during printing why the failure.

***** Version 2.0.71 *****

471. Correct image width & size in catalog entry when building.

472. Cancel button stays grayed if a catalog entry is canceled during a build.

473. Fix crash when Auto Dither is selected and doing a Paste operation.

474. Fix problem with corruption of GIF animation image.

475. Correct data overflow problem for EPS-TIFF images sometimes resulting in GPF's during printing catalog.

476. Correct GPF that sometimes occurs when at the end of printing a catalog.

477. Correct GPF that occurs when copying to the clipboard.

478. Add logic to assume that a CD-ROM drive is a "Primary" drive.

479. Eliminate "newframe" error that occurs when using the LaserJet 4 print driver.

480. Add user-defined margins for image print.

***** Version 2.0.72 *****

481. Can now handle ICS binary images that have a width that is not some multiple of 8. Also, improved performance while reading 16, 32 or 64 bit images.

482. Fix a problem where selecting "uncatalog" from the information catalog dialog in Thumbnail view uncatalogs the last catalog entry instead of

the entry being displayed.

483. Correct intermittent problem with file move that fails to erase the old path information when moving a file from a hard disk location to a floppy drive.

**** Version 2.0.73 ****

484. Correct GPF that occurs when saving a WPG file and "Default WPG Palette" option is selected.

485. Correct problem writing some WPG files that are saved cause a GPF when read back in.

486. Correct problem with palette corruption when saving a CGM file as a WPG file.

487. Add File name to DIB Palette window title bar.

488. Modified Setup program to allow user to select optional components to load and to display disk space requirements.

489. Add file version info to PIXAVI.DLL.

490. Change meter bar display when reading WPG & CGM files to more accurately display progress.

**** Version 2.0.74 ****

491. Add note for UK residents in PIXREAD.ME file to add VAT to PixFolio ordered from Omicron.

492. Correct "Product type" field in WPG header when saving a WPG file so that WP Corp programs will properly recognize the file as a WPG file.

493. Correct GPF that occurs when trying to dither a compressed thumbnail image.

**** Version 2.0.75 ****

494. Correct problem reading certain IMG files whose width is not a multiple of 16. Also, improve speed of reading in image data.

**** Version 2.0.76 ****

495. Correct GPF that occurs when building AVI files.

496. Eliminate "Unsupported Record Type" messages for WPG files produced by WordPerfect Presentations.

497. Add ability to save WPG vector formats.

**** Version 2.0.77 (6/5/93)****

498. Correct problem in Build where existing catalog entries are getting

their "backup" volume entry wiped out.

499. Change registration process to keep registration and owner information in the *.INI file instead of the program file.

500. Correct calculation for WMF window size based on "inch" scaling factor in WMF header.

501. Search for images in current catalog's directory.

502. Eliminate possible cause of GPF while copying to clipboard with some video drivers when DIB To Screen is not turned on.

503. Add enhanced search options to Catalog Browse.

***** Version 2.0.78 *****

504. Fix the search for images in the catalog's directory to work properly when the hard drive has no label.

***** Version 2.0.79 *****

505. Fix Edit Cut operation.

506. Keep registration values in *.INI file.

***** Version 2.0.80. ****

507. Enhance search operations with addition of NOT '!' operator and use of parentheses. Add @F (Format) and @N (file name) search operations.

508. Correct problem with finding files when running from a catalog on a CD-ROM and CD is not the same drive letter that the catalog was built with.

509. Incorporate KODAK Photo CD support DLL version 1.4 in Photo CD package.

***** Version 2.0.81 *****

510 Add code to correct catalog entries created by PixFolio version 2.0.48 thru 2.0.59. The catalog entries for images that reside on a disk that is unlabelled will contain "???" in the volume field. If these images were later moved to another drive, you may get messages to the effect to 'Insert volume "???"...'. This change will change the volume id "???" to NULL. Also, the file search routine that is called when an image can't be found in its cataloged location will search all drives if the catalog entry has a NULL (or "???") volume label.

To aid in updating existing catalog entries that contain invalid path information because images were moved without PixFolio's knowledge, a new option has been added to the Catalog Build dialog. The former "Show All" checkbox is now a 3 state control. The contents of the listbox will depend upon the 3 settings of this control. "Show All" will show all files in a directory, "Show Cataloged" will show all cataloged files and "Show Uncataloged" will show only those files that are not cataloged. To update already cataloged entries, select "Show Cataloged"

and "Select All" then press "Build". Note: by selecting "Follow Tree", all the files on a disk or directory tree can be updated in one operation.

***** Version 2.0.82 *****

- 511. Bypass extraneous data in JPG files occurring before JPEG SOI marker. Add comments to output JPEG files. Display comments in JPEG file in Tech Info.
- 512. Correct problem in German version where File New dialog group boxes become BIG buttons.
- 513. Set focus to PixFolio when a file is dropped on it from File Manager so that PixFolio comes to the top.

***** Version 2.0.83 (7/3/93) *****

- 514. Correct read routine for *.CLP files so that files > 32k are read in completely.
- 515. Differentiate between Microsoft BMP files with "RLE" extension and CompuServe RLE files.
- 516. Correct palette corruption problem when reading RLE4 files.

***** Version 2.0.84 (07/11/93) *****

- 517. Windows API functions can't convert a DIB from RGB format to RLE so code was added to do this.
- 518. Enabled Change Palette function when running with a High Color or 24 bit video driver.

***** Version 2.0.85 (07/17/93) *****

- 519. Added optional password protection for individual catalogs. Password can be added via Select Catalog - Change function.
- 520. Correct problem where cancel button is grayed after cancelling a catalog build.

***** Version 2.0.86 (08/03/93) *****

- 521. Correct display of new registration number in About box after entering user registration number.
- 522. Correct problem with unhiding hidden thumbnails.
- 523. Correct "memory leak" when doing a Catalog Build.

***** Version 2.0.87 (08/17/93) *****

- 524. Implement "bitmaps" in DRW files.
- 526. Provide hooks for an animated AVI initial screen.

***** Version 2.0.88 (08/23/93) *****

- 527. Add support for MIDI and WAV files (part of optional Photo CD/AVI pkg).
- 528. Add ability to drop a catalog or index name from File Manager and open a thumbnail window.
- 529. Don't load AVI DLL's until actually needed.
- 530. Add Thumbnail "zoom" function activated by SHIFT & Left mouse button.
- 531. Add "Follow Tree" button to File Open dialog to explode underlying subdirectory structure.
- 532. Allow entry of wild card string in file name box in Catalog Build to select files for building.
- 533. Correct a problem with building catalogs manually of AVI files when the video clip has been "paused".
- 534. Eliminate erroneous error message "Incorrect Volume Label" when editing an OLE object.
- 535. Eliminate dots and subdirectory names from file list if Follow Tree is on and *.* is search spec in Catalog Build file list.

***** Version 2.0.89 (08/25/93) *****

- 536. Correct error in listbox in Catalog build where files are ignored if the archive bit is on.
- 537. Correct problem with maximizing AVI and sound windows and then not being able to minimize them.
- 538. Change the way that WPG files define colors to correct a problem printing them where solid colors often appear black.
- 539. Correct a problem with setting the extents on WPG files that have image extents > 32767.
- 540. Change button bitmaps used in AVI and Sound files to better indicate when they are pressed.
- 541. Change title of Thumbnail view if Catalog title is changed.
- 542. Eliminate problem with Pixfolio Window hiding under other windows when loading or viewing from Catalog Browse or Catalog information dialog.

***** Version 2.0.90 (09/07/93) *****

- 543. Change FLIC and GIF89a displays to use play/pause/rewind buttons.
- 544. Correct a problem with displaying FLIC files full screen when Center image option is not turned on.
- 545. Correct a problem with shaded dialog boxes not deleting pen objects.

546. Add support for OS/2 style multi-resolution bitmaps and RLE formats.
547. Correct erroneous message telling the user that a file can't be found on a CD when double clicking on an thumbnail window.
548. Utilize an internal RGBtoRLE conversion routine to correct color mapping problems with 256 and 16 color thumbnails. Also, use an uncompressed thumbnail if it is smaller than the resulting RLE thumbnail. Catalogs containing thumbnails with corrupted colors will have to be rebuilt to correct this.
549. Correct a problem with catalog build. If Cancel is pressed after one entry has been cataloged, build dialog terminates but the main window is left inactive.
550. Correct a problem with File delete in the Browse dialog so that the file is uncataloged properly.
551. Correct a GPF error that occurs when a file is renamed in addition to being moved or copied.
552. Make sure that if a password is required for a catalog that the user is prompted for it if a new catalog is selected via the catalog combo list in Catalog Browse and other dialogs.
553. Save viewport extents for metafiles when doing a resize operation so that the old extents can be restored by Undo.
554. Correct generation of companion bitmap for a metafile when it is resized.
555. Add a new option to WIN.INI (or PixFolio.INI) "Print Frame=(Yes/No)" to control whether a frame will be drawn around the thumbnails when printing a catalog.
- ***** Version 2.0.91 (09/27/93) *****
556. Do not require a password to be entered just to do a "Cat Info" display.
557. Correct "follow tree" option in Build Catalog. Was losing the prefixed path info when looking up the file name and returning a "not found" error.
558. Add a frame to the zoom 2x thumbnail window.
559. Remove maximize button and prevent placeholder windows representing *.MID and *.WAV files from being resized.
560. Correct clipping of X axis input box when Scale is selected in Options dialog.
561. Correct display of title and/or keywords in slide show for metafile images.
562. Correct "best fit" algorithm used when printing images to properly format an image when it's width expanded to the size of the page would

cause the image's bottom to be off of the page.

563. Correct problem with Crop and reize image to insure that file update flag is set so the user will be propted to save the file when PixFolio exits.

564. Fix Multiple selection option for open file so that if multiple files are selected, they will be processed.

565. Fix spin controls so that accompanying edit field is updated while mouse button is held down.

566. Fix "User List" on File Open to display default extensions if dialog is used before a catalog has been opened.

***** Version 2.0.92. (10/07/93) *****

567. Made some changes to support a new set of TIFF routines currently under development.

568. Corrected problems caused by long file names in NT version. These changes have no effect on the WIN 3.1 version.

569. Correct a GPF that occurs when creating an RLE compressed bitmap when the "compressed" bitmap actually is larger. Note: RLE doesn't work very well with continuous tone images like photos.

570. Add an intensity histogram display for 8 and 24 bit images. A histogram is useful when making contrast and brightness adjustments.

***** 2.0.93 10/14/93 *****

571. Fix problem with displaying FLIC's. Image was being read in but not being displayed.

572. Add code to support TARGA type 3 - uncompressed B/W files.

573. Put in fix to eliminate a GPF caused by a bug in the MS select color dialog when you click on the area above or to the left of the color boxes.

574. Correct problem reading FLIC files that are an exact multiple of 32768 bytes long where PixFolio "hangs" after reading in file.

575. The TIFF support has been completely re-written. PixFolio now supports most TIFF version 6 formats including: Tiled images, JPEG in TIFF, FAX GROUP 3 & 4 plus additional compression options.

***** Version 2.0.94 10/24/93 *****

576. The catalog selection dialog for Thumbnail view was not clearing the password entry in an internal data structure resulting in passwords getting applied to catalogs without the knowledge of the user. Also, a check has been added to ask for verifcaion from the user when a password is to be added to a catalog that currently doesn't have one. Minor changes have been made to the dialogs that ask for verification

of the current and new passwords when a password is being changed so that it is clear which password is wanted.

577. The status bar help comments for Dib To Screen has been changed to show "Device Independent Bitmap" instead of "Device Dependent Bitmap".

578. The status bar help description for Edit/Paste has been change to read "from" instead of "form".

579. The status bar help for Build Catalog has been changed to "Automatically build and update..."

580. The status bar help for Thumbnail View has been changed from "grouping of thumbnails..." to "grouping of thumbnails..".

582. The title for Cat Info has been changed to read "Catalog: 'xxx' Statistics".

583. Fixed a GPF that can occur whenever the user tries to save a TIFF/JPEG file without previously reading a TIFF/JPEG file.

584. Changed the Browse/Search dialog to highlight the keywords if the "New Search" radio button is selected.

585. Changed the Browse/Search Keywords field to automatically wrap to the next line.

586. Changed menu item "Set Keyword Defaults" to "Set Default Keywords".

587. After doing a Print catalog, the default keywords erroneously was changed to "Keywords:".

588. Corrected various menu items like "Print Catalog" that calls a dialog up to read "Print Catalog...".

589. The file extension for WAV files in the Select File Type dropdown list box has been change from "*.wav" to "*.WAV".

590. Add Print to the thumbnail pop-up menu.

591. If you cancel a thumbnail view when it asks for a password you now won't get an empty window.

592. The limit of 10 child windows has been removed.

593. In the Build dialog, "Show all" has been changed to "Show All".

594. In the Build dialog, "Auto Update has been changed to Auto Build".

595. In the Browse dialog, OK has been changed to "Browse".

596. In the Select Catalog dialog "Info" has been changed to "Cat Info".

597. Catalog entries referencing network drives will now have the path stored in network terminology, e.g. "\\BOB\DRIVEC\GRAPHICS" rather than "J:\GRAPHICS".

598. Add functionality to be able to crop Metafiles (WPG, CGM, WMF, etc). Also make corresponding changes to copy to clipboard and properly handle cropped metafiles in OLE transfers.

***** Version 2.0.95 (10/26/93) *****

591. Correct generation of network names for Novell networks.

592. Fix problem caused by losing the path information when multiple files are read in at one time. Move/copy and catalog functions do not know what the path is.

593. For the print dialog, change "Setup" button to "Select Printer" .

594. Removed the grayed "Window" menu item for the initial menu.

595. Tech Info now displays the full pathname.

596. In the file type list for file open, change "Compuserve" to "CompuServe". Change "MacIntosh" to "Macintosh".

597. Correct capitalization of "Optimize Entropy Coding" in the JPEG options dialog.

598. Fix the spin control for JPEG options in the Tiff Options dialog. JPEG options are now grayed initially when "None" is the default compression.

599. If you select a new catalog in Browse, Build, etc., and then press cancel when asked for a password, the prior catalog selection will be restored.

600. The Play rate for GIF89a images is now saved from session to session.

601. Found a "memory leak" in the resize function.

***** Version 2.0.96 (10/28/93) *****

602. Fix "hang" in catalog browse.

603. Fix Problem in NT version where only 1 line of thumbnails is displayed after a long wait.

***** Version 2.0.97 (10/30/93) *****

604. Correct generation of network name for novell networks; has an extra "\" between volume name and 1st subdirectory.

605. Implement generation of local share names/paths for NT version.

606. Allow screen refreshes and access to Cancel button while doing a build operation when processing entries that are already cataloged.

607. NT version did not recognize catalog change in catalog image dialog.

608. Add password cacheing to save passwords for previously opened catalogs.

609. The "No" button in the dialog box asking whether you want to add a password was being ignored.

610. If the Cat Info dialog is selected, the password on the file gets changed to an unknown value.

611. New icons were added for MIDI and WAV windows.

***** Version 2.0.98 (10/31/93) *****

612. Correct a problem reading uncompressed Tif files.

613. Correct display of iconized FLIC images.

614. Correct GPF that occurs when reading TIFF LZW encoded files with old-style codes.

***** Version 2.0.99 (11/06/93) *****

615. Correct problem reading IFF/LBM files when file contains a tag size that is not a multiple of 2.

616. Save catalog pathnames as network names.

617. Automatically connect to a network resource if not already connected.

618. Redraw thumbnails when palette is changed by another window.

619. Pixfolio will now bypass CAT & CIX (catalog files) if they are highlighted in Catalog Build.

620. The Catalog Build dialog was re-arranged to provide more room for displaying "Show All", "Show Uncataloged", etc.

621. In Browse/Search the Options foldout button has been renamed "Search" and "Search" has been renamed "Find".

622. A "Print Filename" option has been added for printing images. It can be found in the pop-up menu on an image activated by the right mouse button.

623. The "Info" button in Catalog Build has been renamed "Cat Info".

624. The menu items "Set Keyword Defaults" have all been changed to "Set Default Keywords".

625. The Catalog option will not disappear after closing an AVI, Multimedia or FLIC window when you subsequently re-open one.

626. The "Select Printer" button on the print dialog has been enlarged to avoid clipping the title of the button.

627. The "Follow Tree" option was inadvertently left off of the file open dialog. (See item #531).

628. Numerous corrections of typos and punctuation have been made to the

on-line help.

630. Correctly determine volmel label for network paths' in Catalog dialog.

631. Fix problem with definition of "User Files" list of extensions in NT version caused by extensions not being on a doubleword boundary.

632. Incorporated Paul Hachey's new AVI icon.

***** Version 2.0.100 (11/9/93) *****

633. Fix GPF in Catalog Browse

634. Eliminate "Error during StartDoc" message if print to file is selected and the user cancels the print file dialog.

***** Version 2.0.101 (11/12/93) *****

635. Correct problem with reading DRW files with a bitmap symbol that has a width that is not a multiple of 2 bytes.

636. Correct font selection for DRW files. Also, correctly interpret text color and attributes for text strings.

637. Correct intermitent GPF in CGM files caused buffer for title information not being big enough.

638. Add hooks for optional PCD/multimedia package to support Quick Time movie files.

639. The resize dialog box has been changed to allow up to 3 places to the right of the decimal point for the 2 percentage increase (X & Y) boxes.

640. The Dither options dialog has been corrected to avoid checking the 256 color dither option for a 16 color bitmap as a default value.

641. The "search" button in the Browse dialog no longer changes back to "Options" after the dialog has been expanded.

642. More changes were made to on-line help in the section pertaining to Catalog Browse/Search.

643. The area of a histogram display can be restricted to a rectangle selected by the user. Use the left mouse button to draw a marquee encompassing the region desired and then select Palette - Histogram.

644. Correct problem where setup crashes with a "MS_SETUP Toolkit API Error" if version 2 of PixFolio has never been run previously.

645. Add functionality to pick up a catalog or index name from the command line and open that catalog's thumbnail view. Also, add "CAT" and "CIX" to WIN.INI "Extensions" section to allow a catalog or catalog index to be clicked on in File Manager and start PixFolio.

***** Version 2.0.102 (11/15/93) *****

646. Correct generation of network names for Netware workstations running the Netware Shell version 3.026 or earlier (NETX.EXE & NETX.COM). These versions of the shell return the network path in the form of:
SERVER\SYS:... instead of \\SERVER\SYS... .

647. Add new .INI option "Use Net Names = NO" will turn off the function to convert local path names to network path names.

648. Eliminated "hang" which occurred when local share names could not be found. Also, check each network driver when looking for share names. When Netware is the 2nd network, sometimes the primary network driver wasn't getting asked for the share name resulting in it not being found.

***** Version 2.0.103 (11/18/93) *****

649. Eliminate Error message "Can't load WFWNET.DRV" if not running Windows for Workgroups.

***** Version 2.0.104 (11/19/93) *****

650. Correct problem reading IMG files with 9 byte headers.

651. Correct a problem when running Netware where local drives get mapped to a network drive.

652. Correct a problem caused by the network name conversion that caused the identification of a "Primary Drives" device to revert back to its real status. This caused Catalog to improperly flag files on my WORM drive as being on a "backup" device.

653. Correct a problem where the user gets an error "Network Error on drive ?" when the catalog is changed in the Catalog dialog with the catalog drop-down listbox.

654. Photo CD Option values were getting reset every time the File Open dialog executed.

655. Add dialog box to accept default catalog path if Pixfolio is being run from a CD-ROM or a network drive where the user doesn't have write access.

656. Correct operation of path selection list box in Select Catalog dialog.

657. Correct possible GPF from occurring in Slide Show when trying to open a file.

658. Correct a GPF that occurs when printing a catalog.

***** Version 2.0.105 (11/27/93) *****

659. Properly decode "Use Net Names" WIN.INI option.

660. Changed CMYK->RGB conversion algorithm to incorporate "K" component.

661. Properly handle "transparent" color masks in GIF89a animation files.
Fix alignment problem on overlays.

- 662. Improve operation of path listbox in Select Catalog dialog.
- 663. Fix "hang" and/or video driver crash when building a bitmap for a 24 bit image that is less than 100 rows high.
- 664. Gif89a animation, FLIC, MIDI, WAV & AVI windows will now minimize on startup if requested by file open dialog.
- 665. Eliminate an error: "Internal Error processing Password" when selecting a catalog that has a password from the Build dialog. Also, correct a problem where the file list is not re-built if the catalog selection is double clicked instead of single clicked.

***** Version 2.0.106 (12/01/93) *****

- 666. Correct error in converting Netware path names when the Novell netware shell version 4.0x (VLM) is used.
- 667. Bypass "header" on the front of some GIF files if they have one. Also, correctly generate an output GIF file if the palette isn't completely filled; e.g. a 256 color image only has 128 entries in the palette.
- 668. Correct error in converting Network to Local names in the NT version.
- 669. Move fails if the file already exists at the target location and the new location is on the same drive as the source. Also, update catalog with a network name instead of the local pathname.

***** Version 2.0.107 (12/10/93) *****

- 670. Correct problem with saving favorite directories in NT version.
- 671. Eliminate bogus "Lock Error" when operating in a Netware environment.
- 672. Fix crash when reading JPEG files in NT version caused by error in freeing memory.
- 673. Grayed "uncatalog" button in the catalog library card dialog during Catalog Build is now a "Skip" button. Pressing it skips cataloging the current file but Build will continue with the next file.
- 677. Corrected a problem in the NT version where the full screen view produced by clicking on the library card dialog's thumbnail during catalog build would not remain.

***** Version 2.0.108 (12/21/93) *****

- 678. Correct a GPF that occurs when displaying FLIC animations.
- 679. Correct problem doing a build of AVI files.
- 680. Add Import catalog function. Add output option to Export catalog.

***** Version 2.0.109 (1/1/94) *****

- 681. Rewrote Slide show to add multimedia sound support (requires extra multimedia package) and to improve user interface.
- 682. Correct display of initial screen display for GIF89a animations.
- 683. Correct problem with GIF87a files that contain an image description that is different from the Screen description. PixFolio would crash if the image was larger than the screen description. In these cases, the image will be re-sized to match the image description.
- 684. Add multithread capability to NT version. Each MDI window runs in it's own thread. Separate threads are also provided for File Open, File Save and Print.

***** Version 2.0.110 (1/3/94) *****

- 685. Add options to display thumbnails in thumbnail view 1.5x or 2x. Add option to Auto Close open images when a new image is opened in Thumbnail view.
- 686. Add option to view a duplicate catalog item's thumbnail and allow the user to rename or delete the image being cataloged when the file name already exists in a catalog.
- 687. Add a single step button to FLIC animations to allow single frames to be displayed.
- 688. Correct problem where the last sound in slideshow doesn't play.
- 689. Correct problem in NT version where thumbnails sometimes don't display in the catalog image dialog.
- 690. Correct problem in the NT version where the user gets "Lock Error" messages when cataloging an image.
- 691. Correct problem in catalog image where you get a "Move Failed" error immediately after pressing the "Move" button.

***** Version 2.0.111 (1/8/94) *****

- 692. Correct cancel button in Duplicate image dialog box; return code wasn't getting set properly.
- 693. When an image was moved from the catalog image dialog and the file was already cataloged, the image file path in memory wasn't updated resulting in a bogus "duplicate" file error if Catalog image was selected again for the same image.
- 694. Move file wasn't converting the pathnames to network names.

***** Version 2.0.111 (01/09/94) *****

- 695. Correct a GPF that occurs occasionally when moving thumbnails from one

catalog to another.

- 696. Add pop-up thumbnail window to Catalog Browse function.
- 697. Prevent a GPF that occurs when selecting delete from the Duplicate file dialog and the catalog dialog's thumbnail is not drawn.
- 698. Prevent occasional "Move Failed" errors caused by field not being initialized properly.
- 699. Changed Keywords dialog to Keyword(s).
- 700. Restructured Build dialog.
- 710. Reworked Browse dialog to incorporate "preview" mode display of thumbnails.
- 711. Correct a problem with 1.5x & 2x Thumbnail displays where the thumbnail is displayed as a monochrome bitmap when using some video drivers.
- 712. Correct problem reading certain gray scale images when using a hicolor video driver.

***** Version 2.0.112 (01/18/94) *****

- 713. Delete file leaves the file open an if you cancel out, you can't open it again if SHARE is running.
- 714. Correct typo in Help.
- 715. Print options: "Center Image" etc. and "Print Filename" will be saved for a given printer between sessions.
- 716. The initial selection in Browse/Search will now be displayed properly. Also, hot key for Preview changed to Alt-R. ("R" underlined).
- 717. In catalog Build, "Keywords" changed to "Keyword(s)".
- 718. The square size for DIB palettes will now be saved between sessions.
- 719. Add 10 button bar icons.

***** Version 2.0.113 (01/30/94) *****

- 720. Add additional buttonbar icons. Gray inactive buttonbar icons. Display standard helpt text for Button bar icons. Allow for separator between icons. Add help cursor menu item to Help menu.

To edit the button bar, edit the "Buttonx=" items in the [PixFolio] section of WIN.INI (or PixFolio.INI). Buttons can be listed in any sequence but the first button must be "Button1=...". Icons will be displayed on the button bar sequentially; i.e Button1 will be first.

A missing button key will terminate the display of buttons, e.g: Button5 be the last button displayed if there is no Button6. The special entry

Buttonx=0 will display a blank position on the button bar.

To revert to the default button bar setup, remove the Button1 entry from the INI file.

721. Catalog dialog revised to present a much less confusing presentation of a duplicate file condition. The catalog display will be of the existing catalog entry and the duplicate file dialog will display the thumbnail of the file being cataloged.

***** Version 2.0.114 (02/03/94) *****

722. Update "To" page count when changing printers and/or print options in the Print dialog.

***** Version 2.0.115 (02/04/94) *****

723. View button in Catalog dialog doesn't work when browsing.

724. Turn on wait cursor in Build dialog when building file lists.

725. Turn on wait cursor in Catalog dialog for Next/Previous operations.

726. Increase internal buffer used to retrieve default file extensions in Startup Options dialog.

727. Check for and discard spaces in file extensions list used for file open.

***** Version 2.0.116 (2/15/94) *****

728. Present an error message if an attempt is made to add more than 2048 entries to a catalog (WIN16 version only).

729. Correct a problem whereby the File - Delete function does not close the window. (WIN32/NT version only).

730. Treat catalog as "Read Only" if located on a network drive and the user does not have write access.

731. Revise Startup options dialog adding Thumbnail view options and JPEG read options.

732. Add new JPEG read options to control whether pixel smoothing and/or 2 pass color quantization will be used. Turning these options off will result in faster reading of JPEG files.

733. Fix Status Bar help messages for PCD Resolution/Palette and Thumbnail options menu selections.

734. Correct problem with Catalog Browse where the thumbnail is lost whenever the keywords, description or title is updated.

735. Modify Build dialog so that "Show All" tri-state check box is now 3 radio buttons labeled "Show All", "Uncataloged" and "Cataloged".

736. Fix display of status line help for main menu items and popup menus in the NT version.

737. Add missing status line help strings for "Display Button Bar" and "Display Halftone" (NT version only).

***** Version 2.0.117 (02/24/94) *****

738. Correct problem in Select Catalog dialog where OK button is grayed when user doesn't have write access to catalog directory.

739. When deleting a catalog, allow user the choice of not deleting the catalogs as well as the catalog listing.

740. In the catalog dialog, erase the current path information if the directory is locatable but the image is not present in that directory.

741. Correct problem displaying the extensions when a catalog is selected in the Select Catalog dialog.

***** Version 2.0.118 (02/27/94) *****

742. Correct a problem in the NT version where cancelling an operation via the status line cancel button would result in PixFolio hanging up the next time the progress meter is to be displayed.

743. Correct a problem in the NT version where a network path for a local share was being assigned to a new local drive.

744. Correct problem in the NT version where network paths would occasionally be returned as "garbage" characters.

745. Fix File move so that when the "to" location is on the same drive, a rename will take place rather than a physical copy. This is much faster and more efficient for WORM drives.

746. Add a "delete" button to the catalog dialog when doing a file build so the user can delete the file and continue.

***** Version 2.0.119 (03/07/94) *****

747. Made various changes to allow NT version to run under WIN32s. Includes Kodak Photo CD support.

748. NT/WIN32s version executable file name changed to PIXFOL32.EXE.

***** Version 2.0.120 (93/13/94) *****

749. Correct problem where initial default catalog entry in WIN.INI has garbage characters for volume label of catalog drive.

750. Widen buttons on Build dialog.

751. Add Button bar option to Child menu.

753. File Open (NT version) doesn't display directories properly if there are

imbedded spaces in the file extension list. Add code to strip out any imbedded spaces.

***** Version 2.0.121 (03/15/94) *****

754. Correct a problem determining the local machine name when running the 32 bit version under Win NT.

***** Version 2.0.122 (04/04/94) *****

755. Correct problems in NT version that caused Build to crash after processing a variable number of images caused by problems in creating alternate sequences.

756. Add field on Catalog dialog to specify the alternate display sequence.

757. Correct problem in reading GIF89a images if there are erroneous entries in an image descriptor.

758. Changed method used to read in catalog indexes to make it faster.

759. Corrected some problems in keeping track of alternate display sequences where images would get duplicated and others not displayed.

780. Fixed a problem where the default options for saving a TIFF image were being set improperly.

781. Corrected a problem where if a new catalog was selected while a thumbnail view was minimized, the thumbnails would not display when the thumbnail view was subsequently restored.

782. Add message to display when a mismatch between the catalog file and index was detected.

783. Correct a problem in the select printer dialog.

784. Print crashes if a BMP file has an invalid image size definition. Code was added to check the value and to correct it if possible.

785. "Loop" feature wasn't working when displaying FLI images.

***** Version 2.0.123 (04/10/94) *****

786. Added missing PIXNET32.DLL to PIXFNT.ZIP file.

787. Corrected a problem reading certain IFF/LBM files where the image width wasn't a multiple of 16. Also, added ability to decode HAM encoded 6 plane images.

788. Corrected a problem converting local device names to net (UNC) names in NT version running under WIN32S.

***** Version 2.0.124 04/18/94 *****

789. Moved several error messages to the resource file so they can be

translated.

790. Add feature to prompt for manual file type if file extension isn't recognized.

791. Speeded up decoding of IFF/LBM HAM6 & HAM8 files.

***** Version 2.0.125 (04/23/94) *****

792. Correct a problem where print defaults weren't getting set properly.

793. Correct problem with displaying capture image; button bar would not work and GPF would occur if you tried to print the captured image.

***** Version 2.0.126 (04/28/94) *****

794. Correct problem with reading images stored on floppy disks when double-clicking on a thumbnail image.

795. Correct display of PhotoCD TechInfo data.

***** Version 2.0.127 (05/07/94) *****

796. Move Help menu item to right side of menubar.

798. Incorporate new version of Kodak PhotoCD library. New features include support for high-resolution 64BASE images (4096 x 6144). Note: you will need at least 32 megs of memory to read in an image at this resolution.

However, you can read in a partial image at 64BASE or any other resolution by first opening the image at a smaller resolution, sa BASE. Then use the mouse, holding the left button down, to draw a marquee defining the area you wish to view, change the resolution to 64Base and open the image again. A new image will be read in at the resolution you select and containing only the portion of the image selected by the marquee.

799. Add support for keyboard scrolling keys (Page Up, Page Down, etc) in Slide and Full screen viewing window when scrollbars are present.

800. Add support for (Page Up and Page Down keys) in image windows when scroll bars are present.

801. Added underlines to several check box titles in Slide Show options dialog.

802. "Display Status Bar" check box in the Startup options dialog was not getting initialized properly.

***** Version 2.0.128 (05/13/94) *****

803. Add TWAIN support. TWAIN Acquire and Select Source menu items will automatically be added to the File menu if TWAIN software is present on your PC.

804. Fix problem in Catalog Build where file names would not be displayed the

2nd time you try to run it.

805. Don't automatically update pathname in catalog build if file sizes are different; force image to be displayed.

***** Version 2.0.129 (05/17/94) *****

806. Fix Application error that occurred when writing a new catalog entry caused by an invalid pointer.

807. Fix problem reading an image stored on a floppy drive when double-clicking on a thumbnail. File name in error message is garbage and file can't be read.

808. Added code to enable the main window after doing a TWAIN acquire operation to correct a problem where PixFolio hangs when using the Logitech TWAIN source.

***** Version 2.0.130 (05/18/94) *****

809. Corrected a problem with TWAIN source manager not getting closed if source is closed by itself or manually.

***** Version 2.0.131 (05/22/94) *****

810. Fix Export Catalog so that the catalog is closed properly in all cases.

811. Fix Import Catalog so that the catalog is closed properly in all cases. Add additional checks for valid file name so that Import can be closed if import file is invalid.

812. Add check in rebuild index routine so that PixFolio will not try to create workfiles on a network drive where the user doesn't have write access. Correct error message "Cannot open work file A:H:~PXC0777.TMP" to remove "A:".

813. Subsequent TWAIN operations fail if user closed source manually or if source automatically closes. This problem has been corrected.

814. Correct various problems with setting defaults for radio buttons in Catalog New.

815. Changed main window processing so that when a menu command completes, the status bar displays "Ready, select a menu option."

816. Correct problem in moving marked thumbnail images to another catalog. Target Catalog wasn't getting closed and could not be re-opened so move failed after moving one thumbnail.

817. Recompiled AVI, FLI and WAV/MIDI modules.

***** Version 2.0.132 (06/04/94) *****

818. Fix application error when selecting "Scale Options" on print menu.

819. Make changes made during session to Verify Catalog option visible to

catalog read routines.

- 820. Correct display of number of pages when printing a list of marked thumbnails.
 - 821. Correct problem with PixFolio incorrectly truncating the new catalog title in Catalog Select Catalog when creating a new Catalog.
 - 822. Fix problem where the current image's palette gets destroyed when the image is printed. This was reported as several different problems relating to GIF and TIF files.
 - 823. Changed "Keywords" to "Keyword(s)" in various places.
 - 824. Enlarged Resize Image dialog to avoid truncating several controls.
 - 825. Correct display of "list files of type" in the Import Catalog dialog.
 - 826. Enlarged Stretch Options... dialog to avoid clipping left/right margins text entry boxes.
 - 827. Eliminate unused "Tree" checkbox from move/copy dialog.
 - 828. Corrected operation of Resize dialog so that rotation and resizing can be done in one operation.
 - 829. Correct problem with vertical scroll bar elevator button in Thumbnail view.
 - 830. Correct problem where changing the catalog referenced in the catalog image dialog changes the catalog of a thumbnail view improperly when more than 1 thumbnail views are displayed.
 - 831. Speed up selecting a new catalog by not opening again if an existing thumbnail view is using the new catalog already.
 - 832. Prompt the user before changing the password on an existing catalog to verify the new password.
 - 833. Correct a problem where another catalog cannot be selected after cancelling the entry of a catalog's password.
 - 834. If more than 1 thumbnail view is displayed and a catalog is updated, insure that the appropriate thumbnail view's display is updated when a catalog entry is added to the catalog displayed by either thumbnail view.
 - 835. Correct problem where catalog can't be opened again if cancelling a move operation.
- ***** Version 2.0.133 (06/16/94) *****
- 836. Fix 90 (degree), etc. tags in Resize dialog to eliminate clipping.
 - 837. Changing thumbnail size selection wasn't forcing a re-display for the new size.

838. In the stretch options dialog, the X axis size box was getting clipped.
839. When the fonts button in the select catalog options dialog was pressed, existing selections on the screen like "Print Catalog Using THumbnails" were getting erased.
840. Correct problems with some CGM files: a. PixFolio crashes when BEGIN_PICTURE record has an invalid value. b. Colormap not generated properly when color resolution is 8 bits.
841. Add code to check for the situation where a 24 bit BMP says it has a palette but the palette is all one color, black and generate a new palette.
842. Implement faster dither routine. For 24 bit images when AutoDither is on, an 8 bit "display" image will be created and displayed but the original 24 bit bitmap will be retained and will be the target of any image manipulation commands such as resize, crop, paste, etc., and a new "display" bitmap will be created and displayed. If a 24 bit image is dithered to 8 bits, the "display" bitmap will then be discarded. It is recommended that the AutoDither option be turned on if you are using a 256 (8 bit) color display and wish to manipulate 24 bit images as it will be faster than trying to display a 24 bit bitmap. Also, the dither operation that creates the "display" bitmap will result in better rendition of the image than by trying to display the 24 bit image and having to perform numerous "nearest color" comparisons.

***** Version 2.0.134 (06/28/94) *****

843. Incorporate new cover bitmap by Kyle Miller. (Copyright 1994, Kyle Miller, 70402,1047)
844. Add functionality to Photo CD read routines to use an alternate lookup table (LUT) to adjust picture contrast and/or brightness. 9 predefined lookup tables (MSETUP1.LUT - MSETUP9.LUT) are included.
845. Correct some problems with GIF animations where Pix was improperly treating some overlays as invalid and setting their origin to the upper left corner of the image.