# **Contributed TIFF Software**

The **contrib** directory has contributed software that uses the TIFF library or which is associated with the library (typically glue and guidance for ports to non-UNIX platforms, or tools that aren't directly TIFF related).

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| **contrib/vms** | scripts and files from Karsten Spang for building the library and tools under VMS |
| **contrib/dbs** | various tools from Dan & Chris Sears, including a simple X-based viewer |
| **contrib/ras** | two programs by Patrick Naughton for converting between Sun rasterfile format and TIFF (these require libpixrect.a, as opposed to the one in tools that doesn't) |
| **contrib/mac-mpw**  **contrib/mac-cw** | scripts and files from Niles Ritter for building the library and tools under Macintosh/MPW C and code warrior. |
| **contrib/acorn** | scripts and files from Peter Greenham for building the library and tools on an Acorn RISC OS system. |
| **contrib/win32** | scripts and files from Scott Wagner for building the library under Windows NT and Windows 95. (The makefile.vc in the libtiff/libtiff directory may be sufficient for most users.) |
| **contrib/win\_dib** | two separate implementations of TIFF to DIB code suitable for any Win32 platform. Contributed by Mark James, and Philippe Tenenhaus. |
| **contrib/ojpeg** | Patch for IJG JPEG library related to support for some Old JPEG in TIFF files. Contributed by Scott Marovich. |
| **contrib/dosdjgpp** | scripts and files from Alexander Lehmann for building the library under MSDOS with the DJGPP v2 compiler. |
| **contrib/tags** | scripts and files from Niles Ritter for adding private tag support at runtime, without changing libtiff. |
| **contrib/mfs** | code from Mike Johnson to read+write images in memory without modifying the library |
| **contrib/pds** | various routines from Conrad Poelman; a TIFF image iterator and code to support ``private sub-directories'' |
| **contrib/iptcutil** | A utility by [Bill Radcliffe](mailto:billr@corbis.com) to convert an extracted IPTC Newsphoto caption from a binary blob to ASCII text, and vice versa. IPTC binary blobs can be extracted from images via the ImageMagick convert(1) utility. |
| **contrib/addtiffo** | A utility (and supporting subroutine) for building one or more reduce resolution overviews to an existing TIFF file. Supplied by [Frank Warmerdam](http://pobox.com/~warmerdam). |
| **contrib/stream** | A class (TiffStream) for accessing TIFF files through a C++ stream interface. Supplied by [Avi Bleiweiss](mailto:avi@shutterfly.com). |

Questions regarding these packages are usually best directed toward their authors.

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