

Libraries

COLLABORATORS

	<i>TITLE :</i> Libraries		
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Chapter 1

Libraries

1.1 LibraryGuide v1.1

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1.2 introduction

Introduction

After buying my Amiga, I soon got REALLY tied of all those requesters saying "Program need XXX.library", "Couldn't find XXX.library" etc, etc.

So I started filling my LIBS: with all the libraries I could get my hands on, frequently updating to the latest versions. That way I didn't have to worry whether a program needed this or that library, they where allways available.

BUT, soon my LIBS: had reached the size of more than 3MB, containing more than 100 libraries! Arrrgh, what libraries did what ? Which programs need, which libraries ? Which library can I use to what ? What version exists ? Etc, etc, etc...

I tried to give each library a little explaining comment using the Shell FileNote command, BUT :-)

Then one day, there was a cold wind comming from the west, a storm was building up outside, etc etc, etc. I love using etc's :-)

I got my hands on a list of libraries compiled by Gregory M. Stelmack. Great, I used it, added to it, updated it, etc, etc, etc.

Soon it got somewhat messy, but I could allway find out what a library was doing, where I got it, versions, etc, etc, etc.

Then Commodore did something nice. They gave us *** AmigaGuide *** !!!

I started to make my library-list into AmigaGuide-format, and while doing this, a thought came to me: Maybe there are other out there, who could use this LibraryGuide ?

So, here you have it !!!

D. Elgaard

1.3 explanation

Explanation

LIBS is a drawer that's found on Workbench, and many other disks besides. It's used to store libraries.

A library, as far as Amigas are concerned, is a set of little programming routines organised into one complete block.

Lot of them are built into the machine, but even more are to be found in the LIBS-drawer.

A programmer will often make use of a library, in order to avoid some code writing.

Most cannot be bothered to write their own file requester. So they use a library like the

ReqTools.library

. If the library isn't

included in the LIBS: the program won't run!

Libraries are programs, copyrighted just like others.

If you are a programmer, allways get permission before you use someone else's library, unless it's a freeware library that can be used by one and all.

And if you program your own library, DON'T give it a name that some library allready have!!!

1.4 tutor

Tutor

This Guide is really simple to use.

If you have a library and want to see if you have the latest version, just find the library in the library-list and check the version, which is written just to the right of the library.

If you want to find out more about a library, just click on it's name, and you will be given informations about what it does/can/is used for, where to get it, who wrote it, etc, etc, etc. That is, if I have been able to find out, obvious.

I have tried to make as many cross-references as possible, so it should be real easy to find your way around the Guide.

1.5 future

Future

I will continue to update this Guide, simply because it is in my own interest to keep track of my libraries, but I will not release it just because there have been a minor change to one or two of the libraries.

Every now and then when the Guide has gone through some updates, I will release it.

If you have some contribution to this Guide, I would like to hear from you. That could be newer versions, new libraries, error corrections, informations yet unknown, etc, etc, etc.

I am currently working on a DeviceGuide and a HandlerGuide too, so if you have anything of interest here, I like to hear from you too.

My address: Dan Elgaard
 Brofennen 4 \$^2\$ th.
 6270 Tønder
 Denmark

1.6 68040.library

68040.library v37.10

This Library does some 68040-specific things.

The most important is the Emulation of the FloatingPoint-Processor.

The 68040 recognizes some instructions, such as the FMUL and CPUSH, which do not cause exceptions.

There are some instructions, that the 68040 recognizes as valid 68881/68882 Floating-Point instructions, but as Floating-Point instructions, that the Processor cannot complete in HardWare, and therefore cause an un-implemented instruction exeception.

The instructions: FACOS FASIN FATAN FATANH FCOS FCOSH
 FETOX FETOXM1 FGETEXP FGETMAN FINT FWOTOX
 FINTRZ FLOG10 FLOGN FLOGNP1 FMOVECR FSIN
 FSINCOS FSINH FTAN FTANH FTENTOX FMOD
 FREM FSCALE

The 68040.library emulates these instructions.
This Library makes no sense for users, which don't have a 68040.

The code was developed by Motorola.

1.7 adpro.library

ADPro.library v2.7

Support Library for "Art Department Professional".

1.8 amigaguide.library

AmigaGuide.library v38.8

This is the support Library for the "AmigaGuide" viewing system wich
you are using right now!

This Library is part of the System software version 2.1+.

If you want the Amigaguide.library and the full "AmigaGuide"-system,
it is supplied by Commodore via the Fred Fish PD-serie on Disk N\textdegree{} ←
920.

But why bother, if you are reading this, you already have the
Library, just check the version number :-)

Autor : Commodore Amiga.

1.9 arp.library

ARP.library v39.1

'AmigaDOS' Replacement Project.

Pattern matching for strings and for directories, sending packets
to 'DOS'.

ARP is an effort started on BIX and led by Charlie Heath of
Microsmiths Inc., to replace the 'AmigaDOS' in a compatible fashion,
so that current programs will continue to work.

ARP also makes whatever improvements are possible, so that current
and future programs will work better.

Included in the ARP, is also a replacement of all the 'BCPL' 'AmigaDOS'
programs with assembly equivalents.

Fred Fish PD-serie. Disk N\textdegree{} 123.

Autor: Various authors contributed work,
Including Charlie Heath, Scott Ballantyne,
and others...

1.10 asdg-gpib.library

```
ASDG-GPIB.library  v21.3
-----
????
```

1.11 asdg-low-mem.library

```
ASDG-Low-Mem.library  v0.0
-----
????
```

1.12 asl.library

```
ASL.library  v38.36
-----
File and font requesters.
```

This library is part of the System software version 2.xx+

Autor : Commodore Amiga.

1.13 apig.library

```
APIG.library  v3.3
-----
'ARexx' Programmers Intuition Graphics Library.

APIG is an 'ARexx' external function Library similar to the

    RexxARplib.library
    . APIG.library provides the 'ARexx' programmer with
access to most of the resident
    Graphics.library
    '
    Intuition.library
    and
    Layers.library
    .

Allows you to create custom Screens/Windows, Gaddets, Requesters,
IntuiText, Borders, etc.

Fred Fish PD-Serie. Disk N\textdegree{} 634.

Autor : Ronnie E. Kelly.
```

1.14 aspig.library

```
ASPIG.library    v1.1
-----
????
```

1.15 axtools.library

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AxTools.library  v2.7
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????
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1.16 bas_runtime.library

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Bas_Runtime.library  v2.8
-----
????
```

1.17 bootblock.library

```
BootBlock.library  v3.1
-----
```

Library to support Virus-hunters released from SHI, with a BrainFile of BootBlocks, that way making virus hunter programs smaller.

Fred Fish PD-Serie.

Autor : Johan Eliasson

1.18 bullet.library

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Bullet.library    v38.9
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Bullet/Outline font routines.
```

1.19 cachemap.library

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CacheMap.library  v34.5
-----
Support Library for the "FinalWriter" Word Processing Program.
```

1.20 cando.library

CanDo.library

Support Library for the "CanDo" MultiMedia Package.

Comes with "CanDo".

1.21 cclib.library

CCLib.library v3.0

An implementation of the standard 'C' runtime library, with a few extra goodies thrown in.

Supports a large number of functions including stream Input/Output, low-level Input/Output, string, memory, linked list, sorting, time, process control and more...

Fred Fish PD-serie. Disk N\textdegree{} 399.
Source and several utility programs included.

Autor : Robert W. Albrecht

1.22 clist.library

CList.library

Routines for working with Copper-lists.

Autor : Commodore Amiga.

1.23 commodities.library

Commodities.library v38.11

All programs which act as a Commodity, including the "Exchange"-program, use this library.

This Library was developed by the need of a better Input-event management.

Commodities can wait in the background without using one cycle of processor-time, and can be waked up by pressing a specific Hot-Key.

This library is part of the System software version 2.xx+.

Autor : Commodore Amiga.

1.24 color.library

Color.library v1.0

"ColorTool" Library.

1.25 con.library

Con.library v2.0

A run time reentrant Library, developed with the purpose of making life easier for application programmers.

It contains functions to format and display text, accept keys/messages, strings or numbers and to handle cursor and screen control, among other things.

Fred Fish PD-serie. Disk N\textdegree{} 587.
Includes sources.

Autor : Bjørn Reese

1.26 conhandler.library

ConHandler.library v36.17

Console handler.

1.27 console.library

Console.library

Contains graphic-routines for text-output to console-windows.

Autor : Commodore Amiga.

1.28 datatypes.library

DataTypes.library v39.11

This is the support for the Datatypes-system under AmigaDOS v3.0.
I'm only running AmigaDOS v2.1, so thats all I can tell you.

1.29 dctv.library

DCTV.library v3.48

Library for special system functions in the DCTV-Amiga-System.

1.30 decrunch.library

DeCrunch.library v35.237

Decrunch routines.

1.31 destracker.library

DesTracker.library v1.4

A Library for playing Music Modules.

SaarAG PD-Serie. Disk N\textdegree{} 488.

Autor : Darren Schebek

1.32 dialog.library

Dialog.library v1.0

Shared Library for automatically LayOuted dialog boxes in 'C'.

SaarAG PD-Serie. Disk N\textdegree{} 551.

Autor : Stefan Reisner.

1.33 digisoftsupport.library

DigiSoftSupport.library

Support Library for Digisoft products, such as "Macro68".

1.34 din.library

Din.library v36.3

A Library that allows you to share image and text objects between programs.

The Din.library is ideal if you want to write an editor and a DTP program that can share text, or a drawing program and a DTP program that can share a brush.

Requires 'AmigaDOS' 2.xx.

Fred Fish PD-Serie. Disk N\textdegree{} 414.
Some source included.

Autor : Jorrit Tyberghein

1.35 dis.library

Dis.library v1.21

An 'AmigaDOS' shareable Library which implements a symbolic single-instruction disassembler for the MC68000 family.

Fred Fish PD-serie. Disk N\textdegree{} 240.
Includes source in 'Draco'.

Autor : Chris Gray

1.36 disassemble.library

Disassemble.library

68000 disassembler routines.

AmigaLibDisk.

1.37 dised.library

Dised.library v0.0

Editor functions.

Autor : Dissidents Software.

1.38 diskcode.library

DiskCode.library v1.1

????

1.39 diskfont.library

DiskFont.library v38.8

Handles font files.
Earlier versions do not support CG fonts.

Part of the System software.

Autor : Commodore Amiga.

1.40 dopus.library

DOpus.library v22.5

"DirectoryOpus" main Library.

Comes with "DirectoryOpus".

Autor : Jonathan Potter

1.41 dorex.library

DOrex.library v1.5

"DirectoryOpus" 'ARexx' support Library.

Comes with "DirectoryOpus".

Autor : Jonathan Potter.

1.42 dos.library

DOS.library v37.44

Routines for managing data streams.

Part of the System software.

Autor : Commodore Amiga.

1.43 downloader.library

Downloader.library

Support Library for the "FinalWriter" Word Processing Program.

1.44 dres.library

DRes.library v1.4

Support Run-Time Library with lots of functions, including a generic parser and IPC.

Fred Fish PD-Serie. Disk N\textdegree{} 169.

Autor : Matt Dillon.

1.45 duplexfont.library

DuplexFont.library v1.0

Scaleable font for "VLT".

Fred Fish PD-serie. Disk N\textdegree{} 455.

1.46 dynamic.library

Dynamic.library v36.1

A shared Library which provides dynamic object linking and loading.

When a program requests a variable or procedural symbol the Library will dynamically load the appropriate object module into memory.

Furthermore, the Library will load any additional object modules required for the requested one to function, thereby providing a linking capability.

1.47 empire.library

Empire.library v1.0

Shared portion of the game "Empire".

Fred Fish PD-Serie. Disk N\textdegree{} 357.

Autors: Chris Gray, David Wright and Peter Langston

1.48 epu0.library

EPU0.library v1.1

????

Fred Fish PD-Serie. Disk N\textdegree{} 858.

Autor : Jaroslav Mechacek.

1.49 epu1.library

```
EPU1.library  v1.1  
-----  
????
```

Fred Fish PD-Serie. Disk N\textdegree{} 858.

Autor : Jaroslav Mechacek.

1.50 exec.library

```
Exec.library  v37.132  
-----
```

Routines to manage the System resources.

Part of the System software.

Autor : Commodore Amiga.

1.51 expansion.library

```
Expansion.library  v37.44  
-----
```

Routines for handling expansion slots.

Part of the System software.

Autor : Commodore Amiga.

1.52 explode.library

```
Explode.library  v6.0  
-----
```

Decrunch routines for the "Imploder".

Fred Fish PD-Serie.

Autors: Peter Struijk and Albert J. Brouwer.

1.53 fifo.library

```
Fifo.library    v37.3  
-----
```

Part of "UUCP".

Fred Fish PD-Serie. Disk N\textdegree{} 480.

Autor : Matt Dillon.

1.54 flam.library

```
Flam.library    v1.0  
-----
```

????

1.55 flow.library

```
Flow.library  
-----
```

????

Mail rwm@atronx.ocunix.on.ca for more info on Flow.library.

1.56 fontengine.library

```
FontEngine.library    v0.5  
-----
```

????

1.57 fpu.library

```
FPU.library  
-----
```

Support library for FPU's.

1.58 future.library

```
Future.library  
-----
```

Used by Futuresound audio digitizer.

1.59 fwarexx.library

FWARexx.library v3.0

Support Library for the "FinalWriter" Word Processing Program.

Linking "FinalWriter" with 'ARexx'.

1.60 fwfiltertype.library

FWFilterType.library v3.0

Support Library for the "FinalWriter" Word Processing Program.

1.61 fwpenpal.library

FWPenPal.library v3.0

Support Library for the "FinalWriter" Word Processing Program.

Linking "FinalWriter" with "PenPal".

1.62 fwprowrite.library

FWProWrite.library v3.0

Support Library for the "FinalWriter" Word Processing Program.

Linking "FinalWriter" with "ProWrite".

1.63 fwwordperfect.library

FWWordPerfect.library v3.0

Support Library for the "FinalWriter" Word Processing Program.

Linking "FinalWriter" with "WordPerfect".

1.64 fye.library

Fye.library v37.313

????

1.65 gadtools.library

GadTools.library v37.110

Simplified gadget and menu routines.

Part of the system software version 2.xx+.

Autor : Commodore Amiga.

1.66 gadtools13.library

GadTools13.library v34.13

????

1.67 gadtoolsbox.library

GadToolsBox.library v39.3

Support library for the "GadToolsBox"-program.

Fred Fish PD-Serie. Disk N\textdegree{} 842.

Autor : Jan van den Baard.

1.68 gdarexxsupport.library

GDARexxSupport.library v1.0

Support Library for "GoldDisk".

Linking "GoldDisk" with 'ARexx'.

1.69 golddisk.library

GoldDisk.library v1.0

Main Library for "GoldDisk".

1.70 graphics.library

```
Graphics.library  v37.35  
-----
```

Graphic routines.

Part of the System software.

Autor : Commodore Amiga.

1.71 gwin.library

```
GWin.library  v2.0  
-----
```

GWIN or Graphics WINdow is an integrated collection of graphics routines callable from 'C'.

These routines make it easy to create sophisticated graphics programs in the 'C' environment.

One-line calls give you a custom screen (ten types available), menu items, requesters, text, circles, polygons, etc, etc.

GWIN is a 2D floating point graphics system with conversion between world and screen coordinates.

GWIN includes built-in clipping that may be turned off for speed.

Use of color and XOR operations are greatly simplified.

Fred Fish PD-serie. Disk N\textdegree{} 571.

Many examples of the use of Gwin.library are included.

Extensive documentation are included too.

Autor : Howard C. Anderson

1.72 hame.library

```
HAME.library  
-----
```

????

1.73 hdmem.library

```
HDMem.library  v2.0  
-----
```

Support Library for the "HDMem" program, which allows the use of a HardDisk as virtuel memory.

Fred Fish PD-Serie. Disk N\textdegree{} 740.

Autor : Stefan Rompf.

1.74 hisoftbasic.library

```
HisoftBASIC.library
-----
Library for 'HisoftBASIC'.
```

1.75 ias.library

```
IAs.library
-----
Fixed-point arithmetic routines.

Available for anonymous FTP from amiga.physik.unizh.ch.
```

1.76 icon.library

```
Icon.library v37.11
-----
Routines for manipulating Icons.

Part of the System software.

Autor : Commodore Amiga.
```

1.77 iff.library

```
IFF.library v22.3
-----

An easy to use Amiga Library which gives you some powerfull
routines for dealing with IFF files, especially ILBM files (Pictures),
ANIM files (Animations), and 8SVX files (Digitized sounds).
It is written completely in 'Assembler' and is just 3Kb.

Fred Fish PD-serie. Disk N\textdegree{} 674.
Includes source and binaries for several example programs that use
the Library.
The version on that Fred Fisk disk is version 22.2, but there is a
version 22.3 floating around. I don't know how to get the full package
of version 22.3 with Documentation, Includes, Examples, etc., but if you
want the version 22.3 you can get it from Fred Fish Disk N\textdegree{} 769, ←
where it
follows the program "ALook" by Trevor Andrews.

Autor : Christian A. Weber
```

1.78 iffparse.library

IFFParse.library v37.2

Modules to parse IFF files.

Part of the System software 2.xx+.

Autor : Commodore Amiga.

1.79 iffpp.library

IFFPP.library v100.3

????

1.80 ilbm.library

ILBM.library v0.5

A shared Library to Read/Write IFF files, derived from the EA-IFF code, along with various enhancements.

Can be used for non-ILBM files also.

100% compatible with original Electronic Arts code.

Fred Fish PD-serie. Disk N\textdegree{} 463.

Autor : Jeff Glatt, Dissidents Software

1.81 inet.library

INet.library

Part of Commodore's AS-225 package for the A2065 EtherNet board.

Autor : Commodore Amiga.

1.82 info.library

Info.library v3.0

Used by Info/Information menu from Workbench.

Part of the System software.

Autor : Commodore Amiga.

1.83 inovatools1.library

```
InovaTools1.library  v3.1
-----
Came with "PowerWindows2.5".
```

1.84 instype.library

```
Instype.library  v0.1
-----
????
```

1.85 intuisup.library

```
-----
                          IntuiSup.library  v4.5
-----
```

A shared Library with support routines for using texts, borders, gadgets, requesters and more, under 'AmigaDOS' v1.3.

Fred Fish PD-serie. Disk N\textdegree{} 722.
Includes a template editor, source, test programs and documentation in "AmigaGuide"-format.

Autor : Torsten Jurgeleit

There are also a Library called
ISup.library
, but this Library is a
copied version of the IntuiSup.library. In the documentation the
InutiSup.library is often called
ISup.library
, so someone must have
got messed up with the names and renamed it accidentally.

1.86 intuisupport.library

```
IntuiSupport.library  v1.1
-----
```

This Library follows a program called "PhoneList" by Michael Hoffmann on Fred Fish Disk N\textdegree{} 862, but what it can/does and where to get the ← full package with Documentation, Includes, Exambles, etc., I just can't find out!
Anyone out there who can help me ?!?!?

1.87 intuition.library

Intuition.library v37.318

Routines for managing windows, screens, and Input/Output to them.

Part of the System software.

Autor : Commodore Amiga.

1.88 isup.library

----- ISup.library

This is a copied version of the
IntuiSup.library

In the documentation the
IntuiSup.library
is often called

ISup.library, so someone must have got messed up with the names and
renamed it accidentally.

1.89 ixemul.library

Ixemul.library v39.44

This is a BSD compatibility Library for UNIX designed to be used
with GCC/G++, but could possibly be used by other compilers with
some work.

Very nice, particularly the signal handling.

Available for anonymous FTP on [ab20.larc.nasa.gov](ftp://ab20.larc.nasa.gov).

Autor : Markus Wild (Who also has done the GCC/G++ ports)

1.90 janus.library

Janus.library v33.1

This Library comes with the Amiga BridgeBoard, which gives the Amiga
IBM-PC compatibility :-)

The BridgeBoard is often called "Janus" (Janus was a roman god with two
faces).

This Library should be located in the SYS:Expansion Drawer.

The Library is loaded by "BindDrivers" and provides the basis for all
other "Janus"-SoftWare.

It provides communications with the PC-side BIOS extension known as
the Janus.Handler.

1.91 joystick.library

```
Joystick.library  v1.0
-----
????
```

1.92 kd_freq.library

```
-----
                KD_FReq.library  v3.1
-----
Extensive file requester.
Comes with a patch to use it whenever a program calls the
                ARP.library
                .
Nice requester, rather large, never caught on.
```

1.93 keymap.library

```
Keymap.library  v37.2
-----
Routines for dealing with keymaps.

Part of the System software.

Autor : Commodore Amiga.
```

1.94 kwreq.library

```
KWreq.library
-----
Support Library for the "KindWord" Word Processing Program.
```

1.95 kwspell.library

```
KWspell.library  v1.1
-----
Support Library for the "KindWord" Word Processing Program.
```

1.96 layers.library

```
Layers.library  v37.7
-----
Routines to handle Graphic 'Layers' for doing Window depth and
clipping.
```

Part of the System software.

Autor : Commodore Amiga.

1.97 lh.library

Lh.library v1.8

A shared reentrant Amiga runtime Library featuring highly optimized 'Assembly' language versions of the LhArc data compression decompression routines.

Compress faster and more efficiently than any other currently available implementation of the LzHuf-algorithm.

Fred Fish PD-serie. Disk N\textdegree{} 436.

Autors: Holger P. Krekel and Olaf 'Olsen' Barthel

1.98 locale.library

Locale.library v38.27

Routines for controlling Locale-Prefs.

Part of the System software version 2.1+.

Autor : Commodore Amiga.

1.99 macro68.library

Macro68.library

"Macro68" main Library.

1.100 macro68cp.library

Macro68cp.library

"Macro68" Floating Point processor support Library.

1.101 macro68hf.library

Macro68hf.library

"Macro68" special function support Library.

1.102 macro68mp.library

Macro68mp.library

"Macro68" automatic optimization support Library.

1.103 macro68op.library

Macro68op.library

"Macro68" file output support Library for uncommon Output modes.

1.104 macro68ow.library

Macro68ow.library

"Macro68" interactive optimization support Library.

1.105 mathffp.library

MathFFP.library v37.1

FFP format math routines.

Part of the System software.

Autor : Commodore Amiga.

1.106 mathieeedoubbas.library

MathIEEEdoubBas.library v38.1

Double precision IEEE basic math.

Part of the System software.

Autor : Commodore Amiga.

1.107 mathieeedoubtrans.library

MathIEEEdoubTrans.library v37.1

Double precision IEEE transcendental math.

Part of the System software.

Autor : Commodore Amiga.

1.108 mathieeesingbas.library

MathIEEEsingBas.library v37.3

Single precision IEEE basic math.

Part of the System software.

Autor : Commodore Amiga.

1.109 mathieeesingtrans.library

MathIEEEsingTrans.library v37.1

Single precision IEEE transcendental math.

Part of the System software.

Autor : Commodore Amiga.

1.110 mathtrans.library

Mathtrans.library v37.1

FFP transcendental math.

Part of the System software.

Autor : Commodore Amiga.

There is some faster versions floating around. Some which are written specifically for MC68020 and higher processors.

All these faster versions of the Library can be found in the Fred Fish PD-Serie, on Disk N\textdegree{} 884.

Someone told me that the

QweMathtrans.library

is the faster version,

that just need to be renamed to mathtrans.library to work, but I haven't been able to get this confirmed.

Autor : Martin Combs.

1.111 matrix.library


```
Matrix.library    v23.681
```

```
-----  
????
```

1.112 medplayer.library

```
MEDplayer.library v2.1
```

```
-----  
Library for playing "MED" modules.
```

```
Comes with "MED".
```

1.113 memory.library

```
Memory.library   v37.0
```

```
-----  
Library for allocating Memory.
```

```
Autor : Thomas Neuman
```

1.114 midi.library

```
MIDI.library     v7.94
```

```
-----  
A Library that permits sharing of the serial port by MIDI applications  
through a MIDI message routing and processing system.
```

```
Autor : Bill Barton
```

1.115 mmv8.library

```
MMV8.library     v11.93
```

```
-----  
"Music-Maker V8" support Library.
```

1.116 mtool.library

```
-----  
MTool.library    v35.1
```

```
Some math functions and a bit of  
Intuition.library  
support.
```

```
Comes in normal and FPU versions.
```

Fred Fish PD-Serie. Disk N\textdegree{} 573.

Autor : Ruediger Dreier

1.117 muimaster.library

MUIMaster.library v1.0

Support Library for the "MUI" program (MagicUserInterface).

SaarAG PD-Serie. Disk N\textdegree{} 631.

Autor : Stefan Stuntz.

1.118 multireq.library

MultiReq.library v1.20

A FileRequester Library, which fully MultiTask and has a great number of other features.

Written entirely in 'Assembler' to be small and fast.

Fred Fish PD-Serie. Disk N\textdegree{} 778.

Autor : Andreas Krebs.

1.119 multiuser.library

MultiUser.library v39.133

Allows you to create a UNIX-like environment, where several users live together in harmony, unable to delete each others files, unable to read those private love-letters of other users :-)

And this even if several users are working on the machine at the same time (on a terminal hooked up to the serial port)!

Fred Fish PD-Serie. Disk N\textdegree{} 905.

Autor : Geert Uytterhoeven.

1.120 mxm.library

MXM.library v34.14

An example Amiga shared Library compiled with Aztec'C'v5.0.

This Library contains basic support functions employed by programs as "KeyMacro" or "PrintHandler".

MXM.library is the standard MXM system support Library.
Does not run under 'AmigaDOS' 2.xx!

Fred Fish PD-serie. Disk N\textdegree{} 354.
Source included.

Autor : Olaf 'Olsen' Barthel.

1.121 nofrag.library

```
-----
                          NoFrag.library   v2.2
-----
A Library containing 6 routines for defragmenting Memory.
Extracted and updated from the
    Tool.library
.

Fred Fish PD-serie. Disk N\textdegree{} 503.

Autor : Jan van den Baard
```

1.122 octaplayer.library

```
-----
                          OctaPlayer.library   v2.0
-----
Routines for playing "OctaMED" modules.
```

1.123 odin.library

```
-----
                          Odin.library
-----
Process Intercommunication (USENET)
```

1.124 online.library

```
-----
                          OnLine.library   v1.0
-----
????
```

1.125 owndevunit.library

```
-----
                          OwnDevUnit.library   v2.1
-----
A Library that provides an extended locking mechanism for
a Device/Unit pair.
```

By using OwnDevUnit.library, a program can request that the serial port is being temporarily released.

Fred Fish PD-serie. Disk N\textdegree{} 650.
Source included.

Autor : Christopher Michura

1.126 parm.library

ParM.library v8.4

Part of "ParM".

Fred Fish PD-serie.

Autor : Sylvain Rougier and Pierre Carrette

1.127 patch.library

Patch.library v1.55

Library to provide Easy-to-use functions to safely install custom code for Library functions.

Fred Fish PD-Serie. Disk N\textdegree{} 886.
Includes example programs.

Autor : Stefan Fuchs

1.128 pattern.library

Pattern.library v5.0

Allows 'AmigaDOS' pattern-matching, using KickStart v1.2 and higher. Matches 'AmigaDOS' patterns with strings and converts strings into Uppercase or Lowercase, including umlauts.

Supports all 'AmigaDOS' v2.0 and
ARP.library

pattern characters.

Used by "PGREP" for searching files.

Fred Fish PD-serie. Disk N\textdegree{} 625.

Autor : Angela Schmidt.

1.129 **playerprefs.library**

```
PlayerPrefs.library
-----
????
```

1.130 **post.library**

```
Post.library v1.7
-----
PostScript interpreter routines for "Post".

Fred Fish PD-Serie. Disk N\textdegree{} 828.

Autors: Adrian Aylward and Robert Poole.
```

1.131 **potgo.library**

```
Potgo.library
-----
Routines for using analog input to the Amiga.

Autor : Commodore Amiga.
```

1.132 **powerpacker.library**

```
PowerPacker.library v35.347
-----
Decrunching routines for PowerPack'd files.

A shared Library to make life easy for people who wish to write
programs that support "PowerPacker".
Loading crunched files from 'C' or 'Assembly' is made fast, short and
easy.

Fred Fish PD-serie. Disk N\textdegree{} 678.

Autor : Nico Francois.
```

1.133 **powervisor.library**

```
PowerVisor.library
-----
Debugger/Disassembler routines.

Available for anonymous FTP from ab20.larc.nasa.gov.
```

1.134 ppipc.library

```
PPIPC.library    v2.2
-----
Process Intercommunication.
Very flexible.

Fred Fish PD-serie. Disk N\textdegree{} 290.

Autors: Pete Goodeve and Peter da Silva.
```

1.135 prefs.library

```
Prefs.library
-----
????
```

1.136 project_d.library

```
Project_D.library
-----
Library for "Project_D".
```

1.137 prtspool.library

```
PrtSpool.library    v0.1
-----
A shared Library to easily add text or graphics print spooling to
any 'C' or 'Assembly' program.

Fred Fish PD-serie. Disk N\textdegree{} 463.

Autor: Jeff Glatt.
```

1.138 qfont.library

```
QFont.library    v39.0
-----
Support Library for the "FinalWriter" Word Processing Program.
```

1.139 quicktools.library

```
QuickTools.library    v2.43
-----
????
```

1.140 qwemathtrans.library

```
----- QweMathTrans.library -----  
????
```

I'm told that this Library is a faster PD-version of the original

```
Mathtrans.library  
, that must be renamed to  
Mathtrans.library  
to work as such, but I have been unable to get this confirmed.
```

1.141 rct.library

```
RCT.library v16.40  
-----  
????
```

1.142 regex.library

```
RegEx.library v1.0  
-----
```

An Amiga shared Library version of the GNU regular expression package from the "Free Software Foundation".

Fred Fish PD-serie. Disk N\textdegree{} 248.

Autors: Edwin Hoogerbeets, FSF and Jim Mackraz.

1.143 renderhame.library

```
RenderHAME.library  
-----  
????
```

1.144 req.library

```
Req.library v2.7  
-----
```

A runtime, reentrant Library designed to make it easier for programmers to use powerfull, easy-to-use requesters, for communicating with users.

Includes such functions as a color requester, file requester, message display requester and many functions to make the creation of gadgets for your own custom requesters easier.

Very large and popular requesters used by a lot of programs.

Fred Fish PD-serie. Disk N\textdegree{} 419.

Autors: Colin Fox and Bruce Dawson.

1.145 reqtools.library

----- ReqTools.library v38.1042 -----

A variety of nice requesters.

Has File-, Font-, Palette-, ScreenMode- and Volume-requesters.
It also make the System-requesters smarter/better-feeling.

Comes with a patch to use it when ever a program calls either

```
    ARP.library
    '
    ASL.library
    '
    Intuition.library
    or
    Req.library
    .
```

ReqTools also support the new Locale-system from 2.1+.
The requesters can be fully user-configurated via a Prefs-editor
to put in the Prefs-Drawer.
Versions for System software v1.3 and v2.xx.

Fred Fish PD-serie.

Autor : Nico Francois.

1.146 requester.library

----- Requester.library v1.12 -----

File Input/Output requester.

Fred Fish PD-serie. Disk N\textdegree{} 463.

Autor : Dissidents Software.

1.147 resourcehelp.library

----- ReSourceHelp.library v1.12 -----

Support Library for the "ReSource" 'Assembler'-Monitor.

1.148 resourceloader.library

ReSourceLoader.library v1.12

Support Library for the "ReSource" 'Assembler'-Monitor.

1.149 resourcemenus.library

ReSourceMenus.library v1.12

Support Library for the "ReSource" 'Assembler'-Monitor.

1.150 resourcesyms.library

ReResourceSyms.library v1.12

Support Library for the "ReSource" Assembler-Monitor.

1.151 review.library

Review.library v1.16

Review buffer functions for "VLT".

Fred Fish PD-serie. Disk N\textdegree{} 668.

Autor : Willy Langeveld.

1.152 rexxapp.library

RexxApp.library v0.1

Helps in creating an 'ARexx' host.

Fred Fish PD-serie. Disk N\textdegree{} 463.

1.153 rexxarplib.library

RexxARplib.library v3.0

Connects 'ARexx' and

ARP.library

A Library which originally supposed to be an 'ARexx' interface ↔
to the

ARP.library
. However, it has also become an interface to various

Intuition.library
functions, containing over 50 functions
including a file requester, string/boolean requester, environment
variable functions, simple message window, wildcard expander, etc, etc.

Fred Fish PD-serie.

Autor: Willy G.J. Langeveld.

1.154 rexxextra.library

RexxExtra.library

'ARexx' utility function Library.

1.155 rexxflow.library

RexxFlow.library

This is an 'ARexx' interface to the
Flow.library
.

Mail dej@qpoint.amiga.ocunix.on.ca for information on acquisition.

1.156 rexxhost.library

RexxHost.library v37.1

This is a shared Library package to simplify the 'ARexx' host creation
and management procedure.
'ARexx'-message parsing is also included making it possible to control
'ARexx' from programs such as 'AmigaBASIC'.

Fred Fish PD-Serie. Disk N\textdegree{} 682.
Includes source in 'C' and 'Assembly' language.

Autor : Olaf 'Olsen' Barthel

1.157 rexxmathlib.library

RexxMathlib.library v1.3

A Library which makes various high level math functions such as SIN, TAN, LOG, etc, etc. available in 'ARexx'.

Fred Fish PD-serie. Disk N\textdegree{} 227.

Autor : Willy G.J. Langeveld

1.158 rexxmathsbii.library

RexxMathsbii.library v1.0

Math routines for 'ARexx'.

1.159 rexxreqtools.library

RexxReqTools.library v37.19

Library that will give users of 'ARexx' access to all the requesters in the

ReqTools.library
.

Fred Fish PD-Serie.

Autor : Rafael D'Halleweyn.

1.160 rexxsupport.library

RexxSupport.library v34.9

'ARexx' support modules.

Part of the System software version 2.xx+.

Autor : Commodore Amiga.

1.161 rexxsyslib.library

RexxSyslib.library v36.23

Main 'ARexx' Modules.

Part of the System software version 2.xx+.

Autor : Commodore Amiga.

1.162 rezlib.library

Rezlib.library

Used by "REZ", for making programs resident.

SaarAG PD-Serie. Disk N\textdegree{} 291.

Autor : Jim Goodnow.

1.163 rxgen.library

RXgen.library v1.0

An 'ARexx' Library that allows you to call any function of almost any Amiga Library from an 'ARexx' program.

Fred Fish PD-serie. Disk N\textdegree{} 459.

Autor : Francois Rouaix

1.164 rx_intui.library

RX_Intui.library 0.0

Intuition.library
calls from 'ARexx'.

Fred Fish PD-serie. Disk N\textdegree{} 463.

Autor : Jeff Glatt.

1.165 samp.library

Samp.library v1.0

An interface Library for an IFF-FORM "SAMP", 16bit sampled sound file format.

This format allows more than one waveform per octave, and the lengths of different waveforms do not have to be factors of 2.

Fred Fish PD-Serie. Disk N\textdegree{} 348.

Autor : Jeff Glatt, Dissidents Software.

1.166 saslibraries

SAS libraries

These packages form a complete development system for the creation of Amiga shared libraries, including 'ARexx' function libraries and no knowledge of 'Assembly' language is required.

System v2.xx+ is not required.

Mail dej@qpoint.amiga.ocunix.on.ca.

1.167 scalaiv24.library

ScalaIV24.library v32.2

Support Library for "Scala" MultiMedia package.

1.168 scalamm.library

ScalaMM.library v45.2

Support Library for "Scala" MultiMedia package.

1.169 screenfool.library

ScreenFool.library v1.4

Public Screen and display mode Library.

With this Library, you can open a Public Screen with a protected font and title, which will be automatically deallocated by the Library's close function.

This means that your application doesn't have to stay around while the screen is open.

SaarAG PD-Serie. Disk N\textdegree{} 640.

Autor : Chris Lawrence.

1.170 screenshare.library

ScreenShare.library v1.52

Gives Public Screens to System v1.3 users.

Became obsolete with the System v2.04 "Public Screens"

Used by many 'ARexx' scripts.

Fred Fish PD-Serie.

Autor : Willy Langeveld.

1.171 shadow.library

Shadow.library v4.3

Concurrent-object-oriented Library.

Requires System 2.04, and current version has problems with 68000.

Available from anonymous FTP from ab20.larc.nasa.gov.

1.172 simplexfont.library

SimplexFont.library v1.0

Scaleable font for "VLT".

Fred Fish PD-serie. Disk N\textdegree{} 668.

Autor : Willy Langeveld.

1.173 splay_<protocol>.library

SPlay_<protocol>.library

Support libraries for the "SmartPlay" module-playing program.

Supported Module-formats are:

SPlay_BPSM.library	(BPSOUNDMON v2)
SPlay_DELT.library	(DeltaMusic Pro)
SPlay_DSS!.library	(Digital Sound Studio)
SPlay_FAST.library	(Modules in FASTRAM)
SPlay_FC10.library	(FutureComposer ->1.3)
SPlay_FC14.library	(FutureComposer 1.4)
SPlay_GMOD.library	(GMOD; general)
SPlay_JAMC.library	(JamCracker & JCPRO)
SPlay_PM18.library	(Promizer 1.8)
SPlay_SF13.library	(SoundFX 1.3)
SPlay_SM10.library	(SidMon 1.0)
SPlay_SMI!.library	(SidMon II)
SPlay_ST15.library	(SoundTracker 15)
SPlay_XMOD.library	(XMOD; general)

SaarAG PD-Serie. Disk N\textdegree{} 586.

1.174 sregexp.library

SRegExp.library v11.1

A runtime Library of routines for doing wildcard pattern matching and wildcard path matching.

It accepts a slight extension of the 'AmigaDOS' wildcard syntax, including a 'not' operator and character sets.

Fred Fish PD-Serie. Disk N\textdegree{} 527.

Autor : Jon Spencer.

1.175 stopus.library

STOpus.library v1.1

For playing "SoundTracker" modules with "DirectoryOpus".

1.176 streplay.library

STReplay.library v33.801

A shared Library which allows loading and playing of "SoundTracker"-modules, even from high level languages like 'BASIC' or 'C', without any special effort.

Fred Fish PD-Serie. Disk N\textdegree{} 258.
Source included.

Autor : Oliver Wagner.

1.177 strokefont.library

StrokeFont.library v1.0

Scaleable font for "VLT".

Fred Fish PD-serie. Disk N\textdegree{} 668.

1.178 swpost.library

SWPost.library

Support Library for the "FinalWriter" Word Processing Program.

1.179 swshell.library

SWSHELL.LIBRARY v6.0

Support Library for the "FinalWriter" Word Processing Program.

1.180 task.library

TASK.LIBRARY v1.2

????

1.181 tdisk.library

TDISK.LIBRARY v4.1

????

1.182 test_multi.library

TEST_MULTI.LIBRARY v1.0

????

1.183 test_one.library

TEST_ONE.LIBRARY v1.0

????

1.184 text_ed.library

TEXT_ED.LIBRARY v0.1

????

1.185 textmode.library

TEXTMODE.LIBRARY v1.0

????

1.186 timer.library

Timer.library

Routines for very precise time measures.

Autor : Commodore Amiga.

1.187 tool.library

Tool.library v8.1

A shared Library containing 45 useful functions for all kinds of programs.

There are functions for ports, sorting, gadgets, memory, string, directory and file handling, etc, etc.

Fred Fish PD-serie. Disk N\textdegree{} 475.

Autor : Jan van den Baard

1.188 toolmanager.library

ToolManager.library v3.0

This Library is the handler for the "ToolManager".

The Library offers 6 functions to create and manipulate "ToolManager" objects, so you can use them in your programs.

Fred Fish PD-Serie.

Autor : Stefan Becker

1.189 track.library

Track.library

Memory tracking functions for "VMAlloc".

1.190 translator.library

Translator.library v37.1

Speech synthesis support Library.

This Library has only one entry point to call, which translates english text to phoneme code, which can be fed to the Narrator.device.

WAS!!! Part of the System software.
Commodore have stopped suppling this Library with the System.
What on earth are they thinking on at Commodore?!?!?

Autor : Commodore Amiga.

1.191 trm.library

```
TRM.library    v38.362
-----
????
```

1.192 turtle.library

```
Turtle.library  v3.2
-----
```

A shared Library of 'Turtle' functions for drawing in a RastPort.

Fred Fish PD-Serie. Disk N\textdegree{} 321.
Source included.

Autor : Thomas Albers.

1.193 utility.library

```
Utility.library  v37.3
-----
```

General utility routines for Tags, Date/Time and math.

Part of the System software version 2.xx+.

Autor : Commodore Amiga.

1.194 vector.library

```
Vector.library  v1.66
-----
```

Routines for 3D object manipulation and display.

Available for anonymous FTP from [ab20.larc.nasa.gov](ftp://ab20.larc.nasa.gov).

1.195 version.library

```
Version.library  v38.35
-----
Current software version info.

Part of the System software.

Autor : Commodore Amiga.
```

1.196 virus.library

```
Virus.library  v4.99
-----
Virus detection Library for "VScan".

SaarAG PD-Serie. Disk N\textdegree{} 267.

Autor : Arthur Hagen.
```

1.197 vmem.library

```
VMem.library  v3.0
-----
This Library supports Virtual Memory (Swapping not used portions of the
memory out to a HardDisk, and thus providing additional memory, found on
the HardDisk, for your programs).
The replacement of the memory is done by a MMU (Memory Management Unit).
So you need an 68020+MMU, an 68030 or an 68040 (the last two have built
in MMU's).

The Library comes with the "GigaMem"-program.
Includes and AutoDocs for this Library can be found in the Public Domain
in the SaarAG PD-Serie. Disk N\textdegree{} 525.

Autor: bsc büroautomation AG
```

1.198 voice.library

```
Voice.library  v8.2
-----
Replacement for the speech device which uses digitized phonemes.
```

1.199 whatis.library

```
WhatIs.library  v3.5
-----
WhatIs.library can detect filetypes and is fully parametrable by an
user made ASCII file.
```

You can describe filetypes and they will be recognized by the Library.

Fred Fish PD-Serie. Disk N\textdegree{} 843.

Auteurs: Sylvain Rougier and Pierre Carrette.

1.200 workbench.library

WorkBench.library 37.132

Routines for managing WorkBench.

Part of the System software.

Autor : Commodore Amiga.

1.201 works.library

Works.library v1.0

????

1.202 wp.library

WP.library

Library for the "WordPerfect" Word Processing Program.

1.203 wshell.library

WShell.library

"WShell 2.0" Library.

1.204 wwreq.library

WWReq.library

Requesters for the "WordWorth" Word Processing Program.

1.205 xcolor.library

XColor.library v34.2

Link Library with a full-fledged color requester along with several color functions, like Copy, Spread, Exchange, Antique, etc., to aid in creating your own custom color requestors.

Fred Fish PD-Serie. Disk N\textdegree{} 361.
Contains several demos along with Include files for 'C', 'AmigaBASIC', DevPac 'Assembler' and 'KickPascal'.

Autor : Roger Fischlin.

1.206 xferq.library

----- Xferq.library

This is the replacement to the
Flow.library

It manages a database of filenames queued for transmission over a network link.

This Library is still under development and is subject to change.
It comes with an 'ARexx' interface.

System software Release version 2.04 is required.

Mail dej@qpoint.ocunix.on.ca for information on acquisition.

1.207 xmodem_term.library

XModem_Term.library v0.0

XModem functions.

Fred Fish PD-serie. Disk N\textdegree{} 462.

Autor : Dissidents Software.

1.208 xmodem1k_term.library

XModem1K_Term.library v0.0

XModem 1K functions.

Fred Fish PD-serie. Disk N\textdegree{} 462.

Autor : Dissidents Software.

1.209 xpkmaster.library

xpkmaster.library v1.0

Compression.

SaarAG PD-Serie. Disk N\textdegree{} 488.

Autors: Urban Duminik Mueller and Bryan Ford.

1.210 xpk<protocol>.library

xpk<protocol>.library

Support libraries for the "XPK" compressions movement.

Supported compression-formats are:

xpkblzw.library	v1.0
xpkcbr0.library	v1.0
xpkdlta.library	v0.1
xpkfeal.library	v1.0
xpkhuff.library	v0.63
xpkidea.library	v1.0
xpkimpl.library	v1.0
xpklhlb.library	v1.0
xpknone.library	v1.0
xpknuke.library	v1.0
xpkrdcn.library	v3.0
xpkrlen.library	v1.0
xpkshri.library	v0.2

SaarAG PD-Serie. Disk N\textdegree{} 488.

Autors: Various.

1.211 xpr.library

xpr<protocol>.library

Part of the XPR protocol movement.

Includes ASCII, JModem, Kermit, QuickB, SZModem, VMS, XModem, YModem, ZModem, ZSpeed and maybe others.

Version numbers are:

xprascii	1.3
xprjmodem	0.1
xprkermit	1.5
xprquickb	1.0
xprvms	0.8
xprxmodem	34.34
xprymodem	1.90
xprzmodem	2.50
xprzspeed	2.11

Documentation on XPR libraries on Fred Fish Disk N\textdegree{} 247.

Autors: Villy Langeveld and others...

1.212 xte.library

XTE<protocol>.library

????

Version numbers are:

XTEANSI	1.0
XTEHex	1.0
XTETTY	1.0

1.213 ybatch_term.library

YBatch_Term.library v0.0

YModem batch functions.

Fred Fish PD-serie. Disk N\textdegree{} 462.

Autor : Dissidents Software.

1.214 ymodem_term.library

YModem_Term.library v0.0

YModem functions.

Fred Fish PD-serie. Disk N\textdegree{} 462.

Autor : Dissidents Software.
