07225

COLLABORATORS

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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

07225

1.1 "

This is disk 1 of the freely distributable AMIGA software library.

                   Un-Pack this Disk

amigademo Graphical benchmark for comparing amigas. Author: Charlie Heath

amigaterm   Terminal emulation program with xmodem upload/download
capability.Author: Michael Mounier

balls   Simulation of the "kinetic thingy" with balls on strings where only
the end balls move (quick, can YOU come up with a better description?).
Anyway, cute. Author: Perry Kivolowitz

colorful Shows off use of hold-and-modify mode. Posted to usenet by R Pariseau.

dhrystone   Dhrystone benchmark program.Author: Reinhold Weicker
(Ada version) Rick Richardson (C version)

dotty   Source to the "dotty window" demo on the Workbench disk.
Posted to usenet by Dale Luck.

freedraw   A small "paint" type program. Free drawing, boxes,
filled boxes, etc.Author: Rick Ross

gad   "Fun with Gadgets". Demonstration program for use
of gadgets.Author: John Draper (Aka "crunch")

gfxmem   Graphical memory usage display program. Watch your machine's
memory usage! Cute and useful.Author: Louis Mamakos

halfbrite   Sample program that demonstrates "Extra-Half-Brite" mode on
latter AMIGA's with new VLSI chip. Allows 64 colors in low-res mode, rather
than 32.Posted to usenet by Robert Pariseau.

hello   Demonstrates creation of a simple window, "hello world".
Posted to usenet by Eric Lavitsky.

latffp Shows how to access the Motorola Fast Floating Pointlibrary from

Lattice C. Also demonstrates the tremendous speedup obtained.

palette   Sample program for designing color palettes.Author: Charlie Heath

trackdisk   Demonstrates use of the trackdisk driver. Useful example
of "raw" disk read/write.Author: Rob Peck

requesters   Sample program and documentation for building and using
requesters. John worked REAL hard to dig out all the information in this one
Author: John Draper (aka "crunch")

speech   Sample speech demo program. Stripped down version of"speechtoy".
Author: Rob Peck

speechtoy   Another speech demo program. Cute. You have to see this
one. Be sure to click gadget that pops up the face.Author: David LucaS

This is disk 2 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

alib   Object module librarian.Author: Mike Schwartz

cc Unix-like frontend for Lattice C compiler.Author: Fred Fish

dbug   Macro based C debugging package. Machine independent.Provides
function trace, selective printing of internal state information, and more.

make   Subset of "unix" make command. Useful, but does not have many of the
features of the full make, much less the newer "augmented make"

make2   Another make subset command.Author: Marc Mengel

microemacs Small, relatively portable version of emacs. Has keyboard
macros. No extension language.Author: Dave Conroy

portar   Portable archiver. Used to bundle text file up into a single file
for transmission as a unit, or otherwise handling as a single file.
"Portable" because the code itself is portable and because the archive format
is very simple (uses ascii headers to separate files).Author: Martin Minow

xrf   C cross reference utility. Originally from Decus C
distribution.Author: Bob Denny

This is disk 3 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

gothic   Gothic banner printer. Prints DOWN the page, rather
than across, so arbitrarily long banners can be created. Send EOF (CTRL-\)
to end input.From a Decus C distribution several years ago.Author: unknown

roff   A "roff" type text formatter, roughly following "Software
Tools" version. Somewhat upwardly compatible with unix "nroff" command.

ff A very fast text formatter, controlled exclusively by command line
arguments.Author: Gary Perlman & hordes of students

cforth   A highly portable forth implementation. Lots of goodies.
Author: Allan Pratt

xlisp   A nice little lisp implementation. Compiles and links
ok, but something in the Lattice C setjmp/longjmp code prevents it from
currently running. Might be easily fixed. Version 1.4 Author: David Betz
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This is disk 4 of the freely distributable AMIGA software library.

                   Un-Pack this Disk

banner   Prints horizontal banner (across screen). From Decus
C distribution of several years ago.Author: Unknown

bgrep   Another grep like utility, also using the Boyer-Moore
algorithm.Author: Roy Mongiovi and Arnold Robbins

bison A replacement for unix "yacc" command. This is from the GNU (GNU is
Not Unix) effort, and was obtained from the Free Software Foundation.
Compiles and links (with some effort) but currently crashes the machine.
Needs work, but will probably be worth it.Author: B Corbett and R Stallman

bm A grep like utility using the Boyer-Moore algorithm.Author: P Bain

grep   Decus grep (Get Regular Expression and Print). Useful
for finding strings in files.Author: Unknown

kermit   This is an absolutely ancient kermit, who's only
saving grace is that it is small and quite portable.On the AMIGA, there is no
connect mode, only send and receive. You must log into the remote machine
via one of it's local terminals and point it's kermit at the appropriate
serial line connected to the AMIGA.

MyCLI   Another CLI for the AMIGA.Author: Mike Schwartz

mandel A Mandelbrot set program.Author: R French, additions by RJ Mical
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This is disk 5 of the freely distributable AMIGA software library.

                   Un-Pack this Disk

cons   Console device demo program with supporting macro routines.
Author: Rob Peck 12/1/85

freemap   Creates a visual diagram of free memory. Comes with custom
icon so can be run from workbench screen.Author: Robert J. Mical

input.dev   In combination with hander.interface.asm (supplied),
lets a user trap keyboard or mouse events before they get to Intuition and if
desired, install new (phony/generated/other-devices-mouse-simulations) into
the input stream. Handler.interface.asm is needed to convert the calling
sequence performed by the input.task for the input stream management into

something that a C program can understand.Author: Rob Peck   12/1/85

joystick   Shows how to set up the gameport device as a joystick.
Reports parameters received from joystick hooked to right port.
Author: Rob Peck   12/1/85

keyboard   Sample program to demonstrate direct communications with
the keyboard.Author: Rob Peck   12/1/85

layers Shows use of the layers library, used by Intuition to create windows
(layers handles all overlapping drawing areas and keeps things straight,
sending to the back, bringing to the front, making larger/smaller, etc.)
Author: Rob Peck   12/1/85

mandelbrot Latest and greatest mandelbrot program. New features
include the ability to save images in "iff" format, for reading into Deluxe
Paint or other programs that use iff. Also includes code from GraphiCraft to
handle color palette and change colors at will. Many additions by RJ Mical.
Author: Robert French

mouse   Shows how to set up the gameport device as a mouse so that hooking up
the mouse to the right port gives access to mouse information.
Author: Rob Peck   12/1/85

one.window Produces a window with a console attached. Does graphics
in the top half and limits the console activity to the lower half.
Author: Rob Peck   12/18/85

parallel   Demonstrates access to the parallel port.
Author: Tom Pohorsky   12/1/85

printer   Shows how to open and use a printer, does a screen dump
of the workbench screen if there is a graphics-capable printer attached.
Currently does not compile under Lattice C Ver3.02 and does not link under
Lattice C Ver3.03. Author: Rob Peck   12/1/85

print.support   Printer support routines. Currently won't compile,
missing a header file "local.h".Author: unknown

proctest   Sample code to create a process, set up message ports,
pass messages, etc. Sample slave code for create process test (littleproc.c)
currently does not link under either Lattice C 3.02 or 3.03 (unresolved
global variables not in libraries).Author: Rob Peck   1/4/86

region   Demonstrates how a drawing area can be split into linked
rectangular regions. Draws a rectangle in a single playfield display, then
draws "Behind a Fence" several times behind an apparent fence in the
rectangle.Only works under Lattice Ver3.03.Author: Rob Peck   12/1/85

samplefont A sample font that produces clubs, hearts, spaces, and
diamonds as its four characters. Shows precisely what is contained in an
Amiga font.Author: Unknown

serial   Demonstrates access to the serial port. Requires an
external terminal connected to the serial port.Author: Unknown

singlePlayfield

Creates and displays a 320 by 200 by 2 bit plane single playfield display.
Completely covers Intuition's display, but gives the system back at exit.
Author: Rob Peck 12/1/85

speechtoy   Latest and greatest version of Dave's cute speech demo
program. Comes with custom icon so can be run from a workbench screen.
Author: Dave Lucas

speech.demo A much simplified version of speechtoy. Also includes
exec support functions for extended IO requests,CreateExtIO() to allocate
and initialize a new IO request block and DeleteExtIO() to free an extended
IO request block.Author: Rob Peck 12/1/85

text.demo   Sample program that asks AvailFonts() to make a list of
the fonts that are available, then opens a window and then prints a
description of the various attributes that can be applied to the fonts, in
the font itself.Previous versions were released as "whichfont".
Author: Rob Peck 12/1/85

timer   Simple timer example program. Includes dynamic
allocation of data structures needed to communicate with the timer device, as
well as the actual device IO.Author: Rob Peck 12/1/85

trackdisk   Demonstrates use of trackdisk driver. Useful example of
"raw" disk read/write.Author Rob Peck 12/1/85

This is disk 6 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

compress   Compress reduces the size of the named files using
adaptive Lempel-Ziv coding. The amount of compression obtained depends on
the size of the input, the number of bits per code, and the distribution of
common substrings.Typically, text such as source code or English is reduced
by 50-60%. Compression is generally much better then that achieved by
Huffman coding (as used in "pack") or adaptive Huffman coding (as used in
"compact"), and takes less time to compute. Great for saving disk space,
or reducing transmission time over phone lines! Also includes "btoa" and
"atob" for converting binary files to ascii, and then back to binary (for
transmission over links that do not support 8 bits).
Author: Thomas Spencer, with improvements by others

dadc   A digital computer impersonating an analog clock
impersonating a digital clock.Author: Perry S. Kivolowitz

microemacs An upgraded version of microemacs originally distributed
on disk number 2. I don't have an exact list of changes but the new
executable is about 25% larger, so there must be something in there! One
enhancement is that some functions are now also bound to function keys.
Author: Dave Conroy, with enhancements by Jack Roose.

mult   Mult reads the input comparing adjacent lines. In the
normal case, the second and succeeding copies of repeated lines are output,
and the remainder of the lines are removed. Repeated lines must be adjacent
in order to be found. Options are present to output the first of multiple
lines, for comparing adjacent lines by field only, and for specifying the

field separator character. Kind of the opposite of the Unix "uniq" program.
Author: Dennis Bednar

scales   Demonstrates use of the Audio functions in the ROM to produce
four voice sound. It uses a simple waveform (sawtooth) with no amplitude
control (ie, envelope) or frequency variation (ie, vibrato), but these can be
easily implemented. Also includes considerable documentation on audio device
Author: Steven A. Bennett

setparallel Allows the CLI user to dynamically change any particular
parallel port parameter.Author: Keith Stobie and Tom Pohorsky

setserial   Allows the CLI user to dynamically change any particular
serial port parameter.Author: Keith Stobie and Tom Pohorsky

sortc   A quicksort based sort program, using separate driver
and sort modules. Originally from a DECUS C distribution.Claims to be fast,
but when operating entirely out of ram takes 93 seconds to sort its input
file, sort.c, while AmigaDos's sort takes only 43 seconds under the same
conditions.Author: Dave Conroy, Martin Minow, and Ray Van Tassle

stripc   Strips comments and extraneous whitespace from C source
files. Useful for compacting the C header files to increase usable disk
space.Author: Chris Metcalf

This is disk 7 of the freely distributable AMIGA software library.

                Un-Pack this Disk

This disk contains a port (executables only) of the popular UNIX game
"Hack", courtesy of John Toebes, 120 H Northington Pl, Cary NC. 27511.
This is Version 1.0.1.

This is disk 8 of the freely distributable AMIGA software library.

                Un-Pack this Disk

It contains the source to "Hack", a popular UNIX game ported to the
AMIGA by John Toebes. Please read all the associated README files
before redistributing with changes.

This is disk 9 of the freely distributable AMIGA software library.

                Un-Pack this Disk

moire   Draws moire patterns in black and white in a borderless
backdrop window. Currently only runs with Lattice C version 3.02, when
 compiled with 3.03 crashes the system.Author: Scott Ballantyne

MVP-FORTH   Mountain View Press Forth, version 1.00.03A.
A shareware version of forth from Fantasia Systems.Runable from the workbench
comes with icons and such. If you use this, you should send a contribution
to Fantasia Systems / Mountain View Press.

proff   Another text formatting program. This one is significantly
more powerful than any of the others previously distributed on these disks.

setlace   Program to toggle interlace mode on and off.
When used with a black background, and amber or green characters, produces a
 nice CLI environment.Author: Bob Pariseau, Nov 85

skewb   Not quite sure what this is supposed to be, it was
downloaded from a bbs with no documentation. C'mon folks, at least put a
three line description at the start of your programs!Author Raymond S. Brand

sparks   Graphics demo that draws a "moving pathway", adding to the
front and removing from the tail (sure is hard to come up with verbal
descriptions of these things!).Author: Scott Ballantyne

========================== Contents of Disk 010 ==========================

This is disk 10 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

conquest   You control an interstellar empire, decide which star
             systems to explore, which planets to colonize, etc.
             The computer will also be building its own empire and
             competing with you for resources. The one with the
             greatest population at the end wins. Executable only,
             no source. Downloaded from Denver BBS.
             Author: Unknown, ported to Amiga by Rob Shimbo

dehex   Simple little program to convert hex format file into
             a binary file. Reads lines of hex characters on stdin
             and writes 8 bit dehex'd bytes to stdout.
             Author: Fred Fish

filezap   Patch program for any type of file. Executable only,
             no source available.
             Author: John Hodgson

fixobj   Strip extraneous garbage off end of object files
             transfered with xmodem. Does not require preknowledge
             of actual file length, uses knowledge of Amiga file
             structure.
             Author: John Hodgson

iff   Routines to read and write iff format files. Includes
         program to display iff files made by DPaint. Also
         see the DPSlide program on disk 11.
         Author: Jerry Morrison, Steve Shaw, and Steve Hayes

ld   I presume this stands for "list directory". Lists
         contents of specified diretory or disk, using inverse
         video and colors to group objects by type.
         Author: Dave Haynie

ls   Minimal implementation of UNIX ls. Demonstrates
         use of UNIX style filename pattern matching code.
         Author: Rick Schaeffer

sq.usq   Squeeze and unsqueeze, from the CPM world. Works, but
            "compress" from disk 6 runs almost twice as fast and
            produces even smaller files.
            Author: R. Greenlaw, Amiga port by Rick Schaeffer

trek73   A Star Trek game. This one is just crying out to
            be Amiga'ized by some ambitious hacker.
            Authors: Many, see comment in main.c

yachtc   Dice game.
            Author: Sheldon Leemon

========================= Contents of Disk 011 =========================

This is disk 11 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

dpslide   A slide show program for displaying graphic images
            which are in the iff format, such as output from the
            Electronic Arts Deluxe Paint program. Allows the user
            to select the display time for each slide and the method
            of bringing the slide up to the screen, and then removing
            it. Double buffers images to improve smoothness of
            display.
            Author: Paul Biondo

pictures   Miscellaneous DPaint and digitized pictures, in iff
            format. Some are rated R.

========================= Contents of Disk 012 =========================

This is disk 12 of the freely distributable AMIGA software library.

                    Un-Pack this Disk
Note that this disk contains a number of programs apparently available
only in executable form. I am not real happy with this trend, but
had no way of getting in contact with the authors who posted these
programs to various BBS's to request source. I have no reason to
believe that any of these executable only postings contain any
deliberate "misfeatures", but you should always use such programs
cautiously.

amiga3d   Shows a rotating 3 dimensional solid "Amiga sign".
            No source available, executable only (downloaded from
            a Denver BBS)
            Author: Barry (bart) Whitebook of C-A

ArgoTerm   Yet another terminal emulator program. However, this
            one is written in macro assembler, so should be of
            interest to anyone doing serious assembly language
            development. Version 0.20
            Author: Jez San

arrow3d   Shows a rotating 3 dimensional wire frame arrow.

          No source available, executable only (downloaded from
          a Denver BBS)
          Author: Steve Beats of C-A

ld4   Another directory listing program using some graphics
        style output. Executable only, no source available.
        (Downloaded from a Denver BBS)
        Author: unknown

IconExec   These two tools allow execution of a program from an
& SetWindow icon without having to recompile the program.
        Author: John Toebes VIII

images   Miscellaneous DPaint and digitized pictures, in iff
        format. Some are rated R.

SetAlternate   Merge the images from two icons to produce one icon with
        a primary image, and a possibly completely different image
        to display when selected.
        Author: John Toebes VIII

StarTerm   Another terminal emulator program. ASCII and XMODEM
        support, telephone dialer, function keys, load file
        stripping, text file conversion, full/half duplex,
        Author: Jim Nangano and Steve Plegge

========================= Contents of Disk 013   =========================

This is disk 13 of the freely distributable AMIGA software library.

                Un-Pack this Disk
It is a grab bag of basic programs, mostly untested. No speekee basic
so if these don't work, call someone else.

========================= Contents of Disk 014   =========================

This is disk 14 of the freely distributable AMIGA software library.

                Un-Pack this Disk

This disk contains the first ever public release of two new pieces of
code, "dex" and "termcap". Also, this is the first disk in the library
that includes executables produced with both the Manx and Lattice C
compilers, whenever possible. This greatly helps to isolate bugs.

amiga3d   Shows a rotating 3 dimensional solid "AMIGA" sign.
        This is an updated version of the program released
        on disk number 12, and now includes full source.
        Author: Barry Whitebook @ Commodore-Amiga

beep   Source for a function that generates a beep sound, like
        CTRL-G on a VT100 terminal.
        Author: Samuel Dicker @ Commodore-Amiga

dex   Program to extract documentation in a human readable
        format inside source files, and produce nroff style
        output for manuals and other such external documents.

          First ever public release.
          Author: Fred Fish

dimensions Programs to demonstrate three and four dimensional graphics.
          Not quite sure how else to describe them!
          Author: Anselm Hook

filezap   An updated version of the file zap utility first released
          on disk number 10. Can be used to patch any type of
          file. Nice, and VERY useful.
          Author: John Hodgson

gfxmem   An updated version of the graphical memory display
          program first released on disk number 1. Watch your
          machine's memory usage change dynamically under use!
          Author: Louis Mamakos

gi   Converts DPaint brush files to C source files "necessary
          to create an Image structure, including height, width,
          depth, and color information, as well as the array of
          data which represents the bit planes of the image".
          Author: Mike Farren

pdterm   A simple terminal emulator that does ANSI or DEC VT-100
          emulation in 80 cols by 25 lines. Version 1.21.
          Author: Michael McInerny

shell   A simple csh style shell with history and some other
          goodies. Still needs some polishing and enhancement,
          but is quite nice as it. Thanks Matt!!! We've really
          needed something like this for a long time. Now if you
          would just do a ksh version instead...
          Author: Matt Dillon

termcap   A (mostly) unix compatible implementation of a termcap
          library. First ever public release.
          Author: Fred Fish

========================= Contents of Disk 015 =========================

This is disk 15 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Whenever possible, both Lattice C and Manx C executables are provided.
The Lattice executables have the extension ".lattice" and the Manx
executables have the extension ".manx". This greatly helps to isolate
bugs.

Blobs   A simple graphics program, reminiscent of the unix "worms"
          program, but in color of course.
          Author: Peter Engelbrite

Clock   A simple digital clock program designed to be small and to
          live completely in the screen title bar, where it is out
          of the way.
          Author: Mike Meyer

Dazzle   An eight-fold symmetry dazzler program. Really pretty!
            Author: Peter Engelbrite

Fish   "A demo program which runs an AnimOb in a double buffered
            screen with sequence cycled animation". (Basically
            shows a fish "swimming" across the top of the screen).
            Author: Catherine Wagner (posted by Barry Whitebook)

Monopoly   A really nice monopoly game written in AbasiC.
            Follow the directions in the file "InstallationGuide"
            to produce a bootable games disk.
            Author: David Addison

OkidataDump Okidata ML92 driver and WorkBench screen dump program.
            Does both alpha and graphics. Untested (I don't have the
            printer)
            Author: Raimund Gluecker

Polydraw   A drawing program written in AbasiC.
            Author: David Addison

Polyfractals   A fractal program written in AbasiC.
            Author: David Addison

========================= Contents of Disk 016 =========================

This is disk 16 of the freely distributable AMIGA software library.

                Un-Pack this Disk

This is a copy of the Amiga Developer's IFF disk, received directly from
Commodore-Amiga sources, with permission to place in the library and
redistribute. It is unchanged except for:

    1) The volume name has been changed to AmigaLibDisk16.
    2) This file (README.list16) has been added.
    3) The standard library README file README.dist
        has been added.

Enjoy
-Fred

========================= Contents of Disk 017 =========================

This is disk 17 of the freely distributable AMIGA software library.

                Un-Pack this Disk

This is a copy of a H.A.M. (Hold And Modify) graphics demo disk received
from a vendor that is producing hardware to capture such images, and
software to process them. It is unchanged except for:

    1) The volume name has been changed to AmigaLibDisk17.
    2) This file (README.list17) has been added.
    3) The standard library README file README.dist
        has been added.

4) The 'showilbm' program has been added to allow viewing
    of the two monochrome pictures (dozer.hires and robert.lores)
    without requiring Deluxe Paint.
5) The supplied 'readme' file has been augmented with
    information received on hardcopy along with the disk, and
    a note has been added about how to use the showilbm
    program.

Enjoy
-Fred

========================= Contents of Disk 018 =========================

This is disk 18 of the freely distributable AMIGA software library.

                Un-Pack this Disk

AmigaDisplay   Yet another variation of a terminal emulator program.
        This is a modified AmigaTerm that can emulate a dumb
        terminal (interesting paradox here somewhere...), translate
        line termination sequences, optionally capture or discard
        control characters in the captured file, use audible bell,
        use another font, etc.
        Author: Don Woods (Original code by Michael Mounier)

Ash   Prerelease version of a C-shell like shell program.
        Has history, command substitution, loops, etc.
        Author: Thorn Smith

Browser   A program that lets you wander around a file tree and
        peek into files, all with the mouse.
        Author: Mike (I'll be mellow when I'm dead) Meyer

MC68010   Complete information package for upgrading an Amiga
        to use an MC68010 in place of the MC68000. Includes
        a software fix that makes this transparent to user
        programs that use instructions that are priviledged
        on the 68010.
        Author: Thad Floryan

Multidim   Lets you rotate a 2 to 6 dimensional "cube" on the
        screen using the joystick.
        Author: Robert French

PigLatin   Tired of the "say" command? This one will translate
        and speak your input in pig latin!
        Author: Thomas Clement

Scrimper   Short for "SCReen IMage PrintER". A screen dump utility
        which can be run from the workbench or the CLI.
        Author: Perry Kivolowitz

Xlisp1.6   A very nice little lisp for those that want to study the
        internals of a real, working lisp interpreter.
        Author: Dave Betz

========================= Contents of Disk 019 =========================

This is disk 19 of the freely distributable AMIGA software library.

                   Un-Pack this Disk

BlackJack   A line oriented (no graphics) blackjack game.
        Author: Unknown

JayMinerSlides   These are the Amiga slides produced/used by Jay Miner
        (the designer of Amiga's custom graphics chips) in his
        talks about the Amiga. They are all hi-res (640 x 400)
        and are best displayed on a long-persistence color
        monitor.

Keymap_Test A program to test the keymapping routines and find
        possible bugs. Useful as an example of keymapping.
        Author: Pushpa Kumar

LockMon   Find file locks. Useful for discovering if programs
        properly clean up after themselves.
        Author: Dewi Williams
========================= Contents of Disk 020 =========================

This is disk 20 of the freely distributable AMIGA software library.

                   Un-Pack this Disk

AmigaToAtari   Source code for an Amiga to Atari ST object code format
        converter. Takes Amiga objects as input and produces
        Atari objects as output. This allows the Amiga to be
        used as a cross development machine providing the
        proper libraries are available. (Currently does not
        work, but I don't have an ST to try it with anyway...)
        Author: Landon Dyer at Atari Corp.

DiskSalv   Program to recover files from a trashed AmigaDOS disk.
        Can also "undelete" files deleted by mistake, so long
        as they have not overwritten by further disk activity.
        Requires two disk drives. VERY useful...
        Author: Dave Haynie

Hash   Small example program that computes the AmigaDOS directory
        hash function.
        Author: Neil Katin at Commodore-Amiga

Hd   Hex dump utility using some ideas from Mike Higgin's
        article in Computer Language magazine, Apr 86.
        Formats the dump based on the natural byte ordering
        of the machine on which it runs.
        Author: David Elins at NEC Information Systems

MandelBrots Some mandelbrot images submitted for the "mandelbrot
        images contest" some months ago. Only three people
        submitted mandelbrots and these were among the most
        interesting.

MultiTasking   Tutorial and example program for multitasking at the Exec

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                level.
                Author: Leo L. Schwab

Pack        Program to strip extraneous whitespace from C programs
                or header files.  Can be used to condense the C compiler
                header files to free up disk space.
                Author: Jeff Dickson

PortHandler
                Author: A sample Port-Handler program that performs
                the functions of the standard Port-Handler.  Shows what
                the BCPL environment looks like from the handler point of
                view.
                Author: John Toebus VIII

Random      Random number generator in assembly.  Much faster than
                versions using floating point.  Can be used by either
                assembly or C programs.
                Author: Steve Beats at Commodore-Amiga

SetMouse2   Program to set the mouse port to either the left port or
                right port.
                Author: Robert Burns at Commodore-Amiga

SpeechTerm  Terminal emulator that can speak the received text.
                Also has XMODEM file transfer.
                Author: Leftheris Koutsofios

Ted     Demo version of an editor that has since been
                renamed as TXed (I believe).
                Author: Charles Heath at MicroSmiths
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========================= Contents of Disk 021 =========================

This is disk 21 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

This is a copy of Thomas Wilcox's Mandelbrot Set Explorer disk.

It is unchanged except for:

    1) The volume name has been changed to AmigaLibDisk21.
    2) This file (README.list21) has been added.
    3) The standard library README file README.dist
        has been added.

To run from CLI:

    1) cd dfX: (where X is drive containing disk)
    2) mse

To run from Workbench:

    1) Click on MSD icon.

It contains extensive on-line help information, unlike other Mandelbrot

programs distributed in this library. It also is capable of displaying
some very pretty hi-res pictures in interlace mode.

Enjoy
-Fred

========================== Contents of Disk 022 ==========================

This is disk 22 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

This disk contains two new "strains" of microemacs, both derived from
early releases of Dave Conroy's microemacs. There is currently an
attempt on usenet, lead by Dave Brower, to coordinate an effort to
merge features from the different versions into a single supported
microemacs. In the meantime, perhaps you can find a feature you need
in one of these...

Lemacs   Microemacs version 3.6 as enhanced and supported
            by Daniel Lawrence. This version works and has been
            tested on Unix V7, BSD 4.2, Amiga, MS-DOS, and VMS.
            Enhancements include overwrite mode, support for Amiga
            function keys, reverse video status line, numeric
            arguments using <ESC><number>, replace, buffer specific
            editing modes, word wrap mode, goto-line, buffer rename,
            insert-file, execute named command, describe bindings,
            startup files, and more.
            Author: Dave Conroy, enhancements by Daniel Lawrence

Pemacs   Microemacs as enhanced by Andy Poggio. New features
            include use of <ALT> keys as Meta keys, default buffers
            on buffer switch, mouse support, higher priority to
            improve interactive response, creation of backup files,
            paragraph fill, word wrap, query replace, and support for
            function keys.
            Author: Dave Conroy, enhancements by Daniel Lawrence

========================== Contents of Disk 023 ==========================

This is disk 23 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

This disk contains a significantly enhanced version of microemacs based
on the version 30 release posted to usenet's mod.sources newsgroup.

Previous versions of microemacs released on these disks derived from
a very old version of microemacs. Since that old release, the author
has cleaned up lots of loose ends and restructured major parts of the code.
Other people have already added support for termcap, ports to other machines
and operating systems, and a limited GNU emacs compatibility option.

Because recipients of this disk might wish to run this new microemacs
on other machines in addition to the Amiga, I have encluded all sources
that were available to me at the time of release. The subdirectories
which give alternate implementations are:

```
   Sys/Vms      System modules for VAX VMS
   Sys/Atari    System modules for Atari ST
   Sys/Msdos    System modules for MSDOS
   Sys/Cpm86    System modules for Cpm
   Sys/Amiga    System modules for Amiga
   Sys/Ultrix   System modules for Ultrix/BSD4.2
   Sys/SysV     System modules for Unix System V
   Tty/Atari    Terminal driver for Atari ST
   Tty/7300     Terminal driver for AT&T Unix PC (7300)
   Tty/Intuition   Terminal driver for Amiga using Intuition
   Tty/Termcap Terminal driver using termcap for Unix
   Tty/Ansi     Terminal driver using Ansi codes
   Tty/Amigados    Terminal driver for Amiga using just Amigados
   Tty/Heath    Terminal driver for a Heath terminal
```

There currently is a major effort underway on usenet, led by Dave
Brower, to standardize microemacs and bring the many variations under
one common implementation. Please send any enhancements to rtech!daveb,
or send them to me and I will see that he gets them.

========================= Contents of Disk 024 =========================

This is disk 24 of the freely distributable AMIGA software library.

                  Un-Pack this Disk

Conquest   You control an interstellar empire, decide which star
        systems to explore, which planets to colonize, etc.
        The computer will also be building its own empire
        and competing with you for resources. The one with
        the greatest population at the end wins. First
        distributed in executable form only on disk number
        10. This distribution includes source.
        Author: Unknown, ported to Amiga by Rob Shimbo

Csh   Second release of a csh-like alternative to the
        CLI, first released on disk number 14. Has alias,
        builtin functions like "dir" for speed, history,
        named variables, command re-execution with
        substitution, etc.
        Author: Matt Dillon

Modula-2   A pre-release version of the single pass Modula-2
        compiler originally developed for MacIntosh at ETHZ.
        This code was transmitted to the AMIGA and is executed
        on the AMIGA using a special loader. Binary only.

========================= Contents of Disk 025 =========================

This is disk 25 of the freely distributable AMIGA software library.

                  Un-Pack this Disk
This disk contains a port (executables only) of the popular UNIX game
"Hack", courtesy of John Toebes, 120 H Northington Pl, Cary NC. 27511.

This is Version 1.0.1E., with graphics enhancements for the Amiga.

========================= Contents of Disk 026 =========================

This is disk 26 of the freely distributable AMIGA software library.

                        Un-Pack this Disk

UnHunk   Tool to process the Amiga "hunk" loadfile format.
            Collects code, data, and bss hunks together, allows
            individual specification of code, data, and bss origins,
            and generates binary file with format reminiscent of Unix
            "a.out" format. The output file can be easily processed
            by a separate program to produce Motorola "S-records"
            suitable for downloading to PROM programmer.
            Author: Eric Black

C-kermit   Port of the popular "kermit" program, a flexible
            virtual terminal and file transfer program from
            Columbia University.
            Author: Unknown, ported to Amiga by Davide Cervone

Ps   A program to display process priorities and another
            program to set a process's priority to any arbitrary
            valid value. Very useful to provide finer control
            over your multitasking environment.
            Author: Dewi Williams

Archx   Yet more programs for bundling up text files and
            mailing or posting them as a single file unit.
            Author: Martin Minow

========================= Contents of Disk 027 =========================

This is disk 27 of the freely distributable AMIGA software library.

                        Un-Pack this Disk

ABdemos   Amiga Basic demos. NewConvertFD creates .bmaps from
            fd files. BitPlanes finds addresses of and writes to
            bitplanes of the screen's bitmap. AboutBmaps is a
            tutorial on creation and use of bmaps. LoadILBM loads
            and displays IFF ILBM pics. LoadACBM loads and displays
            ACBM pics. ScreenPrint creates a demo screen and dumps
            it to a graphic printer.
            Author: Carolyn Scheppner, Commodore-Amiga

Disassem   A simple 68000 disassembler. Reads standard Amiga
            object files and disassembles the code sections.
            Data sections are dumped in hex. The actual disassember
            routines are set up to be callable from a user program
            so instructions in memory can be disassembled dynamically.
            Author: Bill Rogers, Univ of WAIKATO (New Zealand)

DvorakKeymap   Example of a keymap structure for the Dvorak keyboard
            layout. Untested but included because assembly examples
            are few and far between.

```
              Author: Robert Burns @ Commodore-Amiga

Hypocycloids    An electronic Spirograph inspired by an article in
        Feb '84 Byte.
        Author: Terry Gintz

LinesDemo   A demo program which illustrates the use of proportional
        gadgets to scroll around in a superbitmap window.
        Posted to usenet by Barry Whitebook @ Commodore-Amiga

MemExpansion    Schematics and directions for building your own homebrew
        1 Mb memory expansion.
        Author: Michael Fellinger

SafeMalloc  Ever have a program that corrupts it's own memory?  Well,
        this little gem can help you find the problem in a hurry.
        Acts as an interface between your program and the real
        malloc, checking for overrun, underrun, and duplicate
        freeing of malloc'd space.
        Author: Bjorn Benson, modifications by Fred Fish

ScienceDemos    Some science demos.  Sidereal is a tutorial program which
        introduces the user to the relationships between Julian
        and calendar dates and solar and sidereal times.  J2000
        is a utility program which converts stellar positions,
        proper motion, parallax and radial velocity from the
        standard epoch B1950 (FK4) to epoch J2000 (FK5).  Galilean
        is a tutorial program which determines the position of
        the Galilean satellites relative to Jupiter.
        Programs courtesy of David Eagle at Science Software.

=========================== Contents of Disk 028  ===========================

This is disk 28 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Backgammon  Another game in AbasiC by the author of Monopoly.
        Author:  David Addison

Cpp     This is a copy of the Decus cpp, ported to the Amiga.
        This cpp is more powerful and complete than either of
        the built in cpp's in Manx or Lattice C.  Also included
        is a modified version of the Unix like cc frontend, for
        Manx C, that knows about the cpp.
        Author:  cpp by Martin Minow;  cc by Fred Fish

Cribbage    Another game in AbasiC by the author of Monopoly.
        Author:  David Addison

MileStone   Another game in AbasiC by the author of Monopoly.
        Author:  David Addison

Othello     Another game in AbasiC by the author of Monopoly.
        Author:  David Addison

Shar        A program which can pack and unpack archives compatible
```

             with the Unix "shar" (shell archiver) program.
             Author: Dave Wecker

SuperBitMap An example program that shows how to use ScrollLayer,
        how to sync the SuperBitMap prior to printing, and how
        to create a dummy rastport for dumping the SuperBitMap.
        Works under 1.2 and up.
        Author: Carolyn Scheppner and Phil Lindsay

=========================== Contents of Disk 029 ===========================

This is disk 29 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

AegisDrawDemo   Demo disk of the Aegis Draw program. This is the
        actual production program with only the "save" feature
        disabled and without documentation (intentionally).
        Very impressive program! Received directly from
        Aegis Development.

Cc   Version of the Unix like C compiler frontend program,
        for Manx C. Previous released version was for Lattice C.
        Author: Fred Fish

Enough   A new CLI execute file command that tests for various
        system resources such as available memory or existance
        of specific files, directories, or devices.
        Author: Bruce Barrett @ Commodore-Amiga

Player   Animation player for Aegis Animator. Received directly
        from Aegis Development.

Rubik   An animated Rubik's cube program based on Barry Whitebook's
        "amiga3d" program and Raymond Brand's "skewb" program.
        Author: Bill Kinnersley

StringLib   A public domain reimplementation of the Unix string
        library functions.
        Author: Henry Spencer @ U of Toronto

Vt100   A vt100 emulator program with Kermit and Xmodem file
        transfer protocols (based on AmigaTerm).
        Author: Dave Wecker
=========================== Contents of Disk 030 ===========================

This is disk 30 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Note that the programs on this disk are all shareware/freeware.
This means that if you find them useful, you are morally obligated
to send a small donation to the author to help support his efforts and
fund further development. I hope that by including them in this
library I have furthered the author's goals of widest possible
distribution and thus maximum return. Also note (for those that
like to split hairs) that I am distributing this disk as a "freebee".

To receive a copy, just request it when ordering any other disks from
the library.

Bbs   A BBS for the Amiga (BBS-Amiga Version 1.1).
          Author: Ewan Grantham
          Author's suggested shareware donation: $25

FineArt   This is a collection of works from some of the best
          of current Amiga artists. Many thanks to Jim Sachs,
          Sheryl Knowles, Jack Haeger, and Aegis Development
          for submissions.

FontEditor Does what the name implies, edits font's.
          Author: Tim Robinson
          Author's suggested shareware donation: $5

MenuEditor Create and edit menus, saving the result as either
          a binary file for further editing or as C source for
          inclusion in a program.
          Author: David Pehrson
          Author's suggested shareware donation: $15

StarTerm   Starterm version 3.0. Very nice telecommunications
          program.
          Author: Jim Nangano
          Author's suggested shareware donation: $20

========================= Contents of Disk 031 =========================

This is disk 31 of the freely distributable AMIGA software library.

                   Un-Pack this Disk

Life   Executes the cellular automata game of LIFE in the
          blitter chip. Uses a 318 by 188 display and runs at
          19.8 generations per second.
          Author: Tomas Rokicki

Mandelbrot Latest version of Robert French's mandelbrot program,
          version 3.00.
          Author: Robert French

MxExample   Example of mutual exclusion gadget handling.
          Author: Davide Cervone

RamSpeed   Program to measure raw memory speed, comparing internal
          memory to the external memory.
          Author: Perry Kivolowitz

Set   Replacement for the Manx "set" command (to set or
          change environment variables) with several
          improvements.
          Author: Tomas Rokicki

Tree   Draws a recursive tree (green leafy type, not files).
          Author: Robert French (original version by W. Balthrop)

TxEd   Latest demo version of Microsmith's text editor, TxEd.
            This is the full production version except that files are
            limited to 10K bytes in length and the search/replace
            functions are disabled. Also, demo is based on an older
            version of TxEd, new release has additional features.
            Author: Charlie Heath

VDraw   Drawing program, based on freedraw, but now transformed
            and enhanced beyond recognition. Draws hollow boxes,
            filled boxes, freehand sketches, lines, circles, and arcs.
            Also has area fill, text insertion, 16 different line
            patterns, predefined area fill patterns, a magnify mode,
            cut and paste, color inversion, erase, grid pattern, and
            more. This is version 1.08.
            Author: Stephen Vermeulen

Xicon   Contains two programs; Xicon which lets you use icons to
            call up scripts containing CLI commands, and Ticon, which
            is a simple program to display text files from icons.
            Author: Pete Goodeve

========================= Contents of Disk 032 =========================

This is disk 32 of the freely distributable AMIGA software library.

                 Un-Pack this Disk

Address   Extended address book written in AmigaBasic.
            Author: Mark Hurst

Calendar   Calendar/diary program written in AmigaBasic.
            Author: Mark Hurst

DosPlus1   First volume of CLI oriented tools for developers.
            Executables only.
            Author: Bill Beogelein

DosPlus2   Second volume of CLI oriented tools for developers.
            Executables only.
            Author: Bill Beogelein

MacView   Allows viewing of a standard MacPaint picture file in
            either Amiga low resolution (320 x 200) or high
            resolution (640 x 400). Executable only.
            Author: Scott Evernden

Puzzle   Simulation of puzzle with moving square tiles.
            Executable only.
            Author: Bill Beogelein

ShowHAM   Program to display HAM (Hold And Modify) mode images
            from the CLI environment. Executable only.
            Author: Unknown

Solitaire   Two new ABasiC games, Canfield and Klondike.
            Author: David Addison

Spin3   Simple program that creates spinning cubes and transforms
           them into op-art. Example of how to create a double
           buffered display with color tables that can be changed.
           Author: Ronald Peterson

Sword   Sword of Fallen Angel. Text adventure game written
           in AmigaBasic.
           Author: Andry Rachmat

Trails   Cute little program that leaves a trail behind the
           pointer when the mouse is moved. The trail has
           programmable symmetry, thickness, and length.
           The other interesting thing about this program is
           that it is written in Modula-2 (source provided).
           Author: Richie Bielak

========================= Contents of Disk 033 =========================

This is disk 33 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

3dstars   3d version of Leo's "stars" program (also on this disk).
           Author: Leo Schwab

Bigmap   Program which demonstrates how to use the low-level
           graphics calls, ScrollVPort especially. Demonstrates
           scrolling around inside a very big bitmap.
           Author: Leo Schwab

Dbuf.gels   Sample program that demonstrates the animation routines
           for Bobs and VSprites. Uses double buffering to smooth
           the display motion.
           Author: David Lucas

DiskMapper Displays sector allocation of floppy disks.
           Author: Leo Schwab

MemView   Program which sets up a direct window into RAM, thus
           dynamically displaying the contents of memory.
           Author: Leo Schwab

Oing   Displays a window full of little bouncing balls.
           Author: Leo Schwab

ScreenDump Dumps rastport of highest screen/window to printer.
           Author: Carolyn Scheppner

Sdb   Simple database program, originally released on a
         DECUS VAX SIG tape.
         Author: Unknown, Amiga port by Mic Kaczmarczik

Sproing   Same as Oing but includes sounds of balls colliding with
           boundries.
           Author: Leo Schwab

Stars   Displays a screen full of stars, reminiscent of a view

        from the starship Enterprise's flight deck.
        Author: Leo Schwab

TermPlus   Yet another variant of Michael Mournier's AmigaTerm
        program. This one includes improved ascii capture,
        CRC and checksum xmodem protocol transfers, CompuServe
        B-protocol transfers, a phone library, function key
        support, and limited AmigaDOS functions.
        Author: Enhancements by Bob Rakosky

Vt100   Release 2.0 of Dave's version of AmigaTerm.
        Includes support for function keys and script files.
        Author: Enhancements by Dave Wecker and Steve Drew.

========================= Contents of Disk 034 =========================

This is disk 34 of the freely distributable AMIGA software library.

                Un-Pack this Disk

Alint   Support files for Gimpel lint to make it useful on the
        Amiga.
        Author: Thomas Althoff

Blink   A linker written as a replacement for Alink. Fully
        Alink compatible and supports many additional options
        not found in Alink. Also is much faster than Alink and
        generates smaller executable files. Version 5.7
        Author: Combined efforts of the Software Distillery

Browser   Updated version of the browser program released on disk
        number 18. This one has been "manxified", has scroll
        bars, and several bugs fixed.
        Author: Mike Meyer, enhancements and fixes by Bob Leivian

Btree   Routines to implement a B-tree algorithm and several
        accompanying tests, apparently derived from the single
        file version also included on this disk under "Btree2".
        Still buggy, but looks useful with a little work.
        Author: Richard Hellier, posted to usenet by Steve Jefferson

Btree2   Previous (original) version of btree routines.
        Author: Richard Hellier

Calendar   Appointment calendar that lets you visually add and
        update appointments. Can also run in background and
        remind you 15 minutes before any scheduled event.
        Author: Unknown, Amiga port by Bob Leivian

Less   Like Unix "more", only better, with forward and
        backward scrolling, searching and positioning by
        percent of file and line number, etc. Very useful!
        Author: Mark Nudelman, Amiga port by Bob Leivian

NewFonts   Set of 28 new Amiga fonts.
        Author: Bill Fischer

Pr   A background print utility with several options for
         letter quality compressed mode and line numbers. Also
         takes multiple files and wildcards.
         Author: Bob Leivian

Requester   A file name requester that looks like the one used in
         Deluxe Paint, and a sample program for using the
         requester.
         Author: Kevin Clague

========================= Contents of Disk 035 =========================

This is disk 35 of the freely distributable AMIGA software library.

                 Un-Pack this Disk

ASendPacket Example program for sending multiple packets asynchronously
         to a dos handler, for those interested in implementing
         programs with asynchronous AmigaDos file I/O.
         Author: Phillip Lindsay

ConsoleWindow   Example program for finding the intuition pointer to an
         AmigaDos CON: or RAW: window, so you can do WindowToFront,
         graphics, and other interesting things.
         (Requires AmigaDos 1.2)
         Author: Andy Finkel and Robert Burns

DirUtil   Nice little program to wander around directory tree
         using a windowing interface and performing various
         operations on files.
         Author: Chris Nicotra, enhancements by Dave Jobusch

DirUtil2   Another variant of dirutil.
         Author: Chris Nicotra, enhancements by Ed Alford

FileRequester   A very nice file requester module for lattice C programs,
         along with a demo driver program.
         Author: Charlie Heath

MacView   Allows viewing of standard MacPaint picture files in
         either Amiga low resolution (320 x 200) or high
         resolution (640 x 400). Executable, sample pictures,
         and icons (version on disk 32 did not include pictures).
         Author: Scott Evernden

Plop   Short, simple, no-frills IFF reader program, and
         a sample picture made using a ray tracing algorithm.
         Author: Jim Kent

PopCLI   Provides a simple way of starting another CLI at any
         time without having to load workbench or exit whatever
         program you may be using. Also has a builtin screen
         saver mode that automatically blanks the Amiga console
         screen when there has been no input for a specified
         period of time.
         Author: John Toebes

QuickCopy   Three versions of quickcopy, a nice little full disk
            copier. Two of the versions are capable of making
            backup copies of "protected" Electronic Art's disks.
            Author: Dave Devenport

ScrollPf   Creates and displays a 400 by 300 by 2 bit plane
            playfield on top of a 320 by 200, 2 plane deep
            playfield, as a demo of dual playfield display.
            Author: Carolyn Scheppner

SendPacket General purpose subroutine to send AmigaDos packets.
            Author: Phillip Lindsay

SpriteMaker Program which lets you paint sprites and then converts
            the image into a C data structure to be used in programs.
            Allows interactive testing of the sprite as a pointer.
            Suggested shareware donation of $15 for source code and
            updates.
            Author: Ray Larson

Tracker   Program which converts a boot-load disk (I.E. a kickstart
            disk) into a group of files for electronic transmission
            and reassembly. Completely preserves the original disk
            structure so the target disk will be an exact duplicate
            of the original.
            Author: Brad (Lord Bradford) Wilson

TriClops   Very nice graphics oriented 3-D space invasion game.
            This was previously a commercial product which is
            being released into the public domain for promotional
            purposes (they are working on a multiuser, multimachine
            version).
            Author: Unknown, published by Geodesic Publications

Tsize   A simple utility to print directory tree sizes. Displays
            the total size of all files and subdirectories within a
            given directory.
            Author: Edmund Burnette

UnIfdef   Useful program for removing ifdef'ed sections from a file
            while otherwise leaving the file alone. Allows one source
            to be used as a porting base for many machines, without
            shipping the entire source to every source customer.
            (Preprocess for their machine and send them only the
            source for their specific machine).
            Author: Dave Yost

Vttest   Program to test compatibility of vt100-compatible
            terminals and terminal emulators. Requires the
            resources of a Unix system to test an Amiga hosted
            vt100 emulator. (I haven't yet found one that even
            comes close to passing this test!).
            Author: Per Lindberg

========================= Contents of Disk 036 =========================

This is disk 36 of the freely distributable AMIGA software library.

Un-Pack this Disk

Acp   A copy program with filename expansion and argument
          interpretation like the unix cp.
          Author: Fred Cassirer

Clock   Updated version of the clock program released on disk
          number 15. Adds seconds display, free memory display,
          and faster updates.
          Author: Mike Meyer

Csh   Csh like alternative to the CLI, with changes to
          compile under Manx with 16-bit ints. Has alias,
          builtin functions like "dir" for speed, history,
          named variables, command re-execution with substitution,
          etc. Version 2.01A.
          Author: Matt Dillon

DietAid   Diet planning aid to allow the user to compile lists
          of ingredients (recipes) and automatically compute
          calorie totals, etc. This is a shareware program
          ($10 suggested) that was submitted by the author
          for inclusion in the library.
          Author: Terry Gintz

Echo   An improved echo command with options to control
          color, screen placement of text, etc.
          Author: Larry Phillips

FixHunk   A program to modify executable files to allow them to
          run in external memory. It forces all DATA and BSS hunks
          in the file to be loaded into CHIP memory. CODE hunks will
          still load into FAST ram if available. Version 1.2a.
          Author: D.J. James

Fm   File mapper program. Uses trackdisk device to grab
          sectors and traverse the filesystem to find out what
          sectors a particular file occupies.
          Author: Leo Schwab

KickBench   Instructions and programs for creating and using a
          combined KickStart and WorkBench disk, so only one
          disk is need to reboot. Allows the system to reboot
          unattended after a power failure. Requires disked from
          developer's disk.
          Author: Alonzo Gariepy

Lex   A program (not to be confused with the Unix lex program
          which is a lexical analyzer generator) which computes
          various readability metrics for text files. Computes
          Gunning-Fog, Flesh, and Kincaid indices.
          Author: Jeff Sullivan

TunnelVision   Another fine ABasiC game from David Addison. This is
          a maze game with a 3-D perspective view from inside the
          maze.

        Author: David Addison

Vc   Visicalc-like spreadsheet calculator program.
        Author: James Gosling, Amiga port by Peter Hardie

Vt100   Version 2.2 of Dave's vt100 emulator program including
        Xmodem and Kermit file transfer protocols.
        Author: Dave Wecker

YaBoing   A game program demonstrating hardware sprite usage,
        including collision detection.
        Author: Ali Ozer, based on original by Leo Schwab

========================= Contents of Disk 037 =========================

This is disk 37 of the freely distributable AMIGA software library.

                Un-Pack this Disk

It is port of Timothy Budd's Little Smalltalk system, done by Bill
Kinnersley at Washington State University.

The disk is unchanged except for the following:

    (1) I have added this file, README.list37.

    (2) I have added the standard distribution info file,
        README.dist.

    (3) In order to make room for the above two files (the
        disk only had 2 free blocks) I filtered all the text
        files in the sources, docs, and examples directories
        through a program to remove extraneous CR ("M) characters
        from the end of each line. This also makes the files
        conform to standard Amiga and Unix line delimiter
        conventions. I hope this didn't break anything else
        in the process...

    (4) I have added the file sources/Makefile to help people
        who want to recompile the sources. It uses my cc
        frontend. I was able to compile and link an executable
        that was almost the same size as the one Bill provided
        (100 bytes smaller) using Manx 3.20B in 16-bit int mode,
        but it aborted immediately with an error message, so
        beware.

-Fred

========================= Contents of Disk 038 =========================

This is disk 38 of the freely distributable AMIGA software library.

                Un-Pack this Disk

CSquared   Implementation of Circle Squared algorthm from Sept '86
        Scientific American "Computer Recreations" column.
        Produces wildly colorful but mathematically precise

```
               patterns.
               Author:  Bill DuPree


FixObj         Strip extraneous garbage off the end of object files
               transfered with xmodem.  Does not require preknowledge
               of actual file length, uses knowledge of Amiga file
               structure.  Version 1.1 (update to copy on disk #10).
               Author:  John Hodgson


Handler        An example that implements an AmigaDos Handler (device)
               in non-BCPL format.
               Author:  Phillip Lindsay


Hp-10c         Program that mimics an HP-10c (Hewlett Packard calculator),
               written in TDI Modula2.
               Author:  Duncan Prindle


IffDump        Two programs for manipulating IFF files.  IFFENCODE grabs
               an active screen and writes it to a file in IFF format.
               IFFDUMP decodes information in arbitrary IFF files and
               prints it in a human readable form.
               Author:  Matt Dillon


Jsh            A simple command line interpreter drawing on features from
               the BSD C shell.
               Author:  Jim Kent


NewStat        Replacement program for the AmigaDOS STATUS command.  Prints
               task number, priority, address of process, command line
               being executed, current directory, etc.
               Author:  James Synge


Reversi        Program to play reversi game.  Version 6.1.
               Author:  Manuel Almudevar


UUdecode       Programs to encode/decode binary files for transmittal
               via mail, or other text-only methods.  Binary file is
               expanded by approximately 35% for transmittal.
               Author:  Mark Horton


Vdraw          Drawing program, based on freedraw, but now transformed
               and enhanced beyond recognition.  This is version 1.14.
               This shareware program (suggested $15 donation) was
               submitted by the author for inclusion in the library.
               Author:  Stephen Vermeulen


VoiceFiler  Voice filer program for Yamaha DX series synthesizers.
               Voices are transfered to and from the Amiga over MIDI.
               Author:  Jack Deckard


Window         Sample program which shows how to create a DOS window
               in a custom screen.
               Author:  Andy Finkel
```

========================== Contents of Disk 039 =========================

This is disk 39 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

AnsiEcho   Some commands written in assembler. Includes an
        echo command, touch, list, cls (clear screen), and ask
        (wait for user input).
        Author: Dewi Williams

Display   Graphics display program to display HAM images from a
        ray tracing program. Includes some really spectacular
        pictures.
        Author: Dave Wecker

Driver   Demo device driver in source. Functions as a RAM disk
        for demonstration purposes.
        Author: Lee Erickson

Xlisp   Small lisp type interpreter, binary only (source to
        older version was on disk #18). Version 1.7.
        Author: Dave Betz
========================= Contents of Disk 040 =========================

This is disk 40 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Note that many of the programs on this disk are shareware/freeware.
This means that if you find them useful, you are morally obligated
to send a small donation to the author to help support his efforts and
fund further development. I hope that by including them in this
library I have furthered the author's goals of widest possible
distribution and thus maximum return. Also note (for those that
like to split hairs) that I am distributing this disk as a "freebee".
To receive a copy, just request it when ordering any other disks from
the library.

Ahost   Amiga terminal emulator featuring ANSI terminal emulation,
        file transfer with CompuServe's B-Protocol, Kermit, and
        Xmodem, user definable function keys, script language,
        RLE graphics and a special conference mode for use
        with CIS.   Version 0.9.
        Author: Steve Wilhite & George Jones

AmigaMonitor   Dynamically display the state of the machine, including
        open files, active tasks, resources, device states,
        interrupts, libraries, ports, etc. Display window into
        memory. Version 0.21. Suggested $15 donation.
        Author: Jim Voris

Arc   The ubiquitous compressing archiver program that
        has become the de facto standard for distributing
        binaries and multi-file postings on most BBS's.
        This is Amiga version 0.16, a port of arc version v5.0.
        Suggested $35-$50 donation.
        Author: System Enhancement Associates
            Amiga version by Raymond Brand

AreaCode   Program which decodes area codes into state and locality.
            Version 1.5.
            Author: Bill Beogelein

Blink   A linker written as a replacement for Alink. Fully
            Alink compatible and supports many additional options
            not found in Alink. Also is much faster than Alink
            and produces smaller executable files. Version 6.5.
            Author: Combined efforts of the Software Distillery

Cosmo   An "asteriods" clone. Suggested $6 donation.
            Author: John Harris

Dg210   Data General D-210 Terminal emulator. Suggested $12
            donation.
            Author: Steve Lenz

DirUtil   Nice little program to wander around directory tree using
            a windowing interface and performing various operations
            on files. Version 1.4.
            Author: Chris Nicotra, enhancements by Dave Jobusch

DOSHelper   Windowing program to print help information about various
            dos commands. Version 1.60. Suggested $10 donation.
            Author: John Youells

PagePrint   Prints text files with date/time header, page breaks, and
            line numbers. Suggested $10 donation.
            Author: Phil Mercurio

PopCLI   Provides a simple way of starting another CLI at any
            time without having to load workbench or exit whatever
            program you may be using. Also has a builtin screen
            saver mode that automatically blanks the Amiga console
            screen when there has been no input for a specified
            period of time. Version II, which now includes source.
            Author: John Toebes

SpriteEd   Lets you simultaneously edit two sprite pairs to form
            a double wide sprite image. Suggested $10 donation.
            Author: Scott Lamb

X-Spell   A spelling checker to proofread text files and then allow
            you to move through the document, deciding what to do with
            the misspelled words. Suggested $15 donation.
            Author: Hayes Haugen

========================= Contents of Disk 041 =========================

This is disk 41 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

AmigaVenture   A program which allows you to write your own Infocom-style
            adventure programs in AmigaBasic. It is a full-featured
            adventure parser, including direct and indirect objects,
            multiple object processing, adjectives, automatic

                ambiguity resolution, and subordinate clauses. The
                parser includes support for one, two, or three-word verbs,
                and a full set of object-manipulation primitives.
                Author: Mitsuharu Hadeishi

Csh   Version 2.03 of Matt's Csh-like shell. Executable only.
                Author: Matt Dillon

Dbug   Macro based C debugging package. Machine independent.
                Provides function trace, selective printing of internal
                state information, and more. First released on disk #2.
                This version includes some bug fixes and enhancements.
                Author: Fred Fish

DualPlayField   An example of using a dual-playfield screen, using a
                method contrary to documentation in the Intuition
                Manual.
                Author: Jim Mackraz

GetFile   A very nice file name requester. Unlike the earlier
                version on disk #35, this version includes source code.
                Author: Charlie Heath

LatticeXref A cross reference listing of all symbols defined in the
                Lattice 3.10 header files. Sorted alphabetically by
                symbol string, includes file name and line number of all
                references and/or definitions.
                Author: Fred Fish

Lines   A line drawing demo program, reminiscent of the "sparks"
                program on disk #9.
                Author: Paul Jatkowski

SetFont   A program to change the font used in a workbench screen.
                Includes several sample fonts of various sizes.
                Author: Michael McInerny

Vt100   Version 2.3 of the ever popular vt100 terminal program.
                Includes xmodem and kermit file transfer protocols.
                Author: Dave Wecker

========================= Contents of Disk 042 =========================

This is disk 42 of the freely distributable AMIGA software library.

                 Un-Pack this Disk
To quote the "Read Me First" file:

    This diskette contains the Amiga version of MicroGNUEmacs (MG),
    a small but powerful text editor that runs on many other computer
    systems besides the Amiga. One of MG's major goals is to be
    compatible with its cousin GNU Emacs, so certain features you
    may have seen in other versions of MicroEmacs may work differently
    here, or not exist. Hopefully, you'll find the added features MG
    provides to be worth the trouble it takes to make the switch.

From the "Read Me Second" file:

This is the fourth Beta distribution of MicroGnuEmacs. Beyond the
work of Dave Conroy, author of the original public domain v30, this
contains the efforts of:

mwm@ucbopal.berkeley.edu   Mike Meyer
mic@ngp.utexas.edu   Mic Kaczmarczik
blarson@usc-oberon.arpa   Bob Larson
rtech!daveb@sun.com   Dave Brower

A very nice job guys! Congratulations.

This disk is essentially unchanged except that I have added the usual
README.dist and README.list files, along with changing the volume name
to AmigaLibDisk42. The original volume name was "MG 1a".

========================= Contents of Disk 043 =========================

This is disk 43 of the freely distributable AMIGA software library.

                Un-Pack this Disk

BasicBoing An AmigaBasic program which shows animation by page
        flipping. Precalculates all views of a rotating 3
        dimensional cube and then cycles through them rapidly
        for animation.
        Author: Arthur Blume

Bbm   Demo copy of B.E.S.T. Software's Business Management
        System. It is a full implementation with file sizes
        reduced for demo purposes.
        Author: Business Electronics Software & Technology Inc.

BbsList   A list of Bulletin Board Systems which support the
        Amiga. The list was compiled from a list on Delphi,
        Compuserve, bathroom walls, etc.
        Author: Dick Sheffold

Cc   C compiler frontends for Manx and Lattice C, developed
        independently by Jay Ts. These automatically filter off
        the annoying banner messages from various passes of
        the compilers.
        Author: Jay Ts

Copper   A copper list disassembler. Dumps the contents of a
        hardware copper instruction list.
        Author: Scott Evernden

InstIFF   A program which converts sampled sound files from the
        Instruments dealer demo disks to IFF sampled sound files
        in a FORM 8SVX.
        Author: Bobby Deen

PopColours Lets you change the Red/Green/Blue components of any
        color register, on any screen currently in the system.
        Uses a movable window with slider gadgets. Very well
        done. Version 1.0, November 1986.

               Author: Chris Zamara and Nick Sullivan

SpriteClock A very simple clock that uses a sprite as it's display
          medium, thus allowing it to be displayed on top of all
          other screens. Includes source in assembly language.
          Author: Darrel Schneider

STEmulator Turns your Amiga into an Atari ST (sort of). Be sure
          to read the README file for the true story...
          Author: David Addison

WBrun   A program designed to allow any program to be invoked from
          CLI yet behave as if it were invoked from Workbench.
          Workbench need not be loaded, thus saving the memory that
          Workbench would normally use.
          Author: John Toebes

Wild   Two versions of Unix shell style wildcard matching routines.
          Author: Rich Salz and Fred Fish

========================= Contents of Disk 044 =========================

This is disk 44 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Icons   Some miscellaneous icons for your viewing pleasure.
          Author: Unknown

NewIFF   Some new iff material dealing with sampled voice
          and music iff files.
          Author: Posted to usenet by Carolyn Scheppner

RayTracePics   Ray tracing pictures, some of which appeared on disk
          number 39, but now in IFF HAM format for MUCH faster
          loading and compatibility with existing IFF tools.
          Author: Dave Wecker

ViewILBM   Reads an ILBM file and displays as a screen/window
          until closed. Handles normal and HAM ILBM's.
          Author: Based on ShowILBM, enhanced by Carolyn Scheppner

========================= Contents of Disk 045 =========================

This is disk 45 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Clue   Clue board game. Nice.
          Author: Greg Pryor

Make   Another version of make that seems to be more complete
          than many other PD makes.
          Author: Unknown, downloaded from the Software Distillery

Pictures   Miscellaneous pictures selected from dozens of pictures
          that have come my way since the last full art disk.

```
            Author:  Rich Payne, Grace Rohlfs, and others.

Update      Used to update an older working disk with files from a
            newly released disk.  Files on the older disk that are
            out of date will be upgraded with files from the new disk.
            Author:  Unknown, downloaded from Software Distillery

WhereIs     Program which searches a disk for the first or multiple
            occurances of a file with a given name.
            Author:  Steve Poling
```

========================= Contents of Disk 046 =========================

This is disk 46 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

```
Asm     A shareware macro assembler, submitted by the author.
        Asm is a 68010 macro assembler that is compatible with
        the assembler described in the AmigaDOS manual.
        Author:  Douglas Leavitt

CheckModem  A program which provides for executing other programs
        from your startup file, if and only if there is actually
        a modem connected to the serial port.
        Author:  Matt Dillon

Egad        A gadget editor from the Programmers Network.  Very
        nicely done and very useful.
        Author:  John Draper, Ray Larson, Brent Southard, and
            Dave Milligan

Jive        A filter program which transforms its standard input
        to "jive" on its standard output.
        Author:  Unknown

My.lib      A binary only copy of Matt's alternate runtime library.
        Author:  Matt Dillon

ProffMacros Subset implementations of the Berkeley "ms" and System V
        "mm" macro packages, for the proff program.
        Author:  Tony Andrews and George Walker

ValSpeak    A filter program which transforms its standard input
        to "valspeak" on its standard output.
        Author:  Unknown
```

========================= Contents of Disk 047 =========================

This is disk 47 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

```
3D-Arm      The first stage of a larger project to study goal
        directed animation of articulated objects (objects
        which can move with various degrees of freedom but are
        constrained by attachment to other links within the
```

```
          object).  This program demonstrates goal directed
          animation with a simulated 3-dimensional robot arm.
          Includes source.
          Author:  Bob Laughlin
```

Juggler   Stunning animation of a robot juggler with ray
          traced reflective spheres. Uses HAM mode display
          and sound effects to boot!
          Author: Eric Graham

Vt100   Version 2.4 of Dave's vt100 terminal emulator.
          Includes xmodem and kermit file transfer protocols.
          Author: Dave Wecker

========================= Contents of Disk 048 =========================

This is disk 48 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Bru   Alpha 1 version of a hard disk and/or file archiver
          written for Unix. This is a vanilla port, with very
          little Amiga smarts, but it is usable. This is also
          the last freely redistributable version.
          Author: Fred Fish

Comm   A vt100 like terminal emulator with built in support
          for key functions and a phone number database.
          Version 1.30.
          Author: DJ James

Csh2.04   Version 2.04 of Matt's csh-like shell. Includes source.
          Author: Matt Dillon

Csh2.04M   Version 2.04 of Matt's csh-like shell, heavily modified
          for Manx C. Includes source.
          Author: Matt Dillon, Manx version by Steve Drew

Diskperf   A disk benchmark program which runs on both Unix and the
          Amiga.
          Author: Rick Spanbauer

Du   Computes disk usage of a file or directory (including
          subdirectories). Very handy.
          Author: Joe Mueller

MemWatch   Memwatch is a program intended to sit in the background
          and watch for random trashing of low memory by an
          application under development. If it detects a write
          to low memory, it repairs it to what used to be there,
          then puts up a requester indicating what damage had been
          done. Very useful!
          Author: John Toebes

Profiler   A realtime execution profiler for Manx 3.30E. Using this
          you can identify what sections of your program are using
          the most time, or being executed the most, and optimize

as appropriate. I was able to double the speed of some
programs by using this tool. Includes source.
Author: Tomas Rokicki

========================= Contents of Disk 049 =========================

This is disk 49 of the freely distributable AMIGA software library.

                Un-Pack this Disk

Cycloids   An updated version of the hypocycloids (electronic
        spirograph) program first released on disk number 27.
        Author: Terry Gintz

DirUtil   An enhanced version of the dirutil from disk number 35.
        Dirutil is a program to wander around a directory tree
        and perform various operations on files. See README file
        for list of new features.
        Author: Chris Nicotra, enhancements by Johan Widen

Multidef   A program to scan a collection of object and library
        files and identify multiply defined symbols. This is
        useful to locate subtle problems where user defined
        symbols override library symbols.
        Author: Paul Jatkowski

MyUpdate   A disk update utility that also provides support for
        automatically stripping comments from C header files
        and for interactive verification on a per file basis.
        Author: Joe Mueller

Plot   Program to compute and plot 3 dimensional functions.
        Includes hi-res interlace mode for maximum detail.
        Author: Unknown; Amiga version by Terry Gintz

Polygon   A moire type pattern generator but with color cycling.
        Author: Terry Gintz

QMouse   A program to query the status of the left mouse button
        and return a status code. The return code can be used
        as a WARN condition in a CLI execute file to alter
        execution. Also includes a separate program to toggle
        interlace on and off. Both are written in assembler and
        are very small.
        Author: Robert Rethemeyer

Touch   A simple command to set the date of a file to the
        current date. Uses new supported method of setting
        a file datestamp (rather than reading and writing
        back a byte).
        Author: Phil Lindsay and Andy Finkel

Trees   Another "tree growing" program, similar to the one
        on disk number 31, but more extensive.
        Author: Unknown; Amiga version by Terry Gintz
========================= Contents of Disk 050 =========================

This is disk 50 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Note that many of the programs on this disk are shareware/freeware.
This means that if you find them useful, you are morally obligated
to send a small donation to the author to help support his efforts and
fund further development. I hope that by including them in this
library I have furthered the author's goals of widest possible
distribution and thus maximum return. Also note (for those that
like to split hairs) that I am distributing this disk as a "freebee".
To receive a copy, just request it when ordering any other disks from
the library.

Asm   A shareware macro assembler, submitted by the author.
        Asm is a 68010 macro assembler that is compatible with
        the assembler described in the AmigaDOS manual. This is
        version 1.1, an update to the version on disk number 46,
        and includes bug fixes, additional standard Motorola
        mnemonics and a simple startup code module.
        Author: Douglas Leavitt

BreakOut   A 3-D game. Requires 3-D glasses.
        Author: Tim Kemp

DiskZap   Program to "edit" a disk, sector by sector. Version 1.1.
        Author: Paris Bingham Jr.

FirstSiliCon   A smart input line interpreter that provides a separate
        command window with full editing and recall of previous
        commands. Actual name is "Sili(Con:)".
        Author: Pete Goodeve

Missile   A nice "missile defense" game. Written 100% in
        assembler (source available from author) and is very fast!
        Author: Glen Merriman

PerfectSound   PerfectSound demo, with a sound editor and sample sound
        files. Looks very nice.
        Author: Anthony Wood

Sizzlers   Graphics demo programs.
        Author: Greg Epley

UnixArc   A version of arc suitable for Unix System V.
        Author: System Enhancement Associates

Wombat   Yet another terminal emulation program. Version 3.01.
        Has user settable cursor, programmable function keys,
        vt-102 emulation, auto-dialing, loadable settings files,
        and more.
        Author: Dave Warker

========================= Contents of Disk 051 =========================

This is disk 51 of the freely distributable AMIGA software library.

                        Un-Pack this Disk

Bison   A replacement for unix "yacc" command. This is from
            the GNU (GNU is Not Unix) effort, and was obtained
            from the Free Software Foundation. This is a working
            update to the version on disk number 4, provided by
            Johan Widen.
            Author: Bob Corbett and Richard Stallman

Compress   This is an update to the compress version released
            on disk number 6. It is tested and seems to work
            well except for a couple glitches noticed at the
            last minute (see the README file). Compress reduces the
            size of the named files using adaptive Lempel-Ziv coding.
            The amount of compression obtained depends on the size of
            the input, the number of bits per code, and the distribution
            of common substrings. Typically, text such as source code
            or English is reduced by 50-60%. Compression is generally
            much better then that achieved by Huffman coding
            (as used in "pack") or adaptive Huffman coding
            (as used in "compact"), and takes less time to compute.
            Author: Thomas Spencer, with improvements by others

Cos   A "Wheel Of Fortune" style game in AmigaBasic.
            Author: Steve Michel

DifSsed   Dif produces a difference file which lists the
            line by line differences between any two text files.
            These differences can be fed to ssed (a stream type
            editor), along with the original text file, to remotely
            reproduce the other (new) file. Binary only.
            Author: Chuck Forsberg, Amiga port by Rich Schaeffer

Sq.Usq   Portable versions of the CPM sq and usq utilities.
            Author: R. Greenlaw, many changes by Bill Swan

========================= Contents of Disk 052 =========================

This is disk 52 of the freely distributable AMIGA software library.

                        Un-Pack this Disk

Assign   Replacement for AmigaDOS assign command, written in C.
            Author: Charles McManis

Fractal   A fractal program which produces a random square
            fractal terrain.
            Author: John Olsen

HAMpoly   A polygon drawing demo which uses HAM mode to produce
            polygons of any of the possible 4096 colors.
            Author: John Olsen

MxGads   Demonstrates how to make mutual exclusion of boolean
            gadgets work, even if they contain GadgetText.
            Author: Willy Langeveld

Poly   A polygon drawing demo using the AreaMove, AreaDraw, and
            AreaEnd functions.
            Author: John Olsen

Tek4010   A Tek 4010 emulator.
            Author: Terry Whelan, with changes by Steve Poling

Vdraw1.16   Shareware drawing program submitted by the author.
            This version uses menus but includes some items not
            in version 1.19, also on this disk.
            Author: Stephen Vermeulen

Vdraw1.19   Latest version of Vdraw, with a completely new iconic
            user interface, and some other new features including
            a color palette mixer and DPaint style brushes, extended
            cutting features, area locking, and a flexible printing
            interface.
            Author: Stephen Vermeulen

========================= Contents of Disk 053 =========================

This is disk 53 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Animations Some animations made with Aegis Animator. Includes
            a player program.
            Author: Aegis Development

ARCre   Creates rename scripts so that files with long names can
            be easily archived and dearchived correctly by "arc".
            Author: John Hoffman

Arp   Some preliminary programs from a program started on BIX
            by Charlie Heath to replace all the BCPL AmigaDOS programs
            with assembly equivalents. Includes "break", "cd", "chmod",
            "echo", "filenote", and "makedir".
            Author: Charlie Heath and Scott Ballantyne

Compiler   An optimizing C compiler for the 68000. Has successfully
            compiled itself on a 68000 based Unix system V machine,
            but has yet to be fully ported to the Amiga. It will
            currently produce assembly output for simple C routines
            on the Amiga, but needs lots of work to be really useful
            as anything other than a learning tool for budding compiler
            guru's.
            Author: Matthew Brandt

SpreadSheet A simple "Visicalc-like" spread sheet calculator. Also
            known as "vc" but there is currently a debate about whether
            or not that name is a registered trademark. The version
            on disk number 36 was based on an earlier version of the
            same source. This release also includes source code.
            Author: James Gosling, Mark Weiser, and Bob Bond
                Amiga port by Dave Wecker

TarSplit   A port of the OS/9 program that extracts files from

```
                 Unix tar archives.
                 Author:  James Jones.  Amiga version by Mike Meyer.


UUencode    Programs to encode/decode binary files for transmittal
                 via mail or other text-only methods.  The binary file
                 is expanded by approximately 35% for transmittal.  This
                 release is an update to the version on disk number 38,
                 and includes a simple line-by-line checksum technique that
                 can read and write files compatible with the older
                 uuencode/uudecode.
                 Author:  Mark Horton with mods by Alan Rosenthal


=========================  Contents of Disk 054  =========================

This is disk 54 of the freely distributable AMIGA software library.


                    Un-Pack this Disk


Hanoi       Classical demo program for recursion.  Solves the
                 towers of hanoi problem in a workbench window of
                 its own.
                 Author:  Ali Ozer


ISpell      A quick and dirty port of a Unix version of a freely
                 distributable screen oriented, interactive, spelling checker.
                 I use the Unix version daily and it is very nice.
                 You will need expansion ram to run this with the
                 supplied dictionary, as it loads the entire 300K
                 hashed dictionary into memory.  A hard disk is
                 also recommended.
                 Author:  Pace Willisson


Ing         The next step in the "boing wars".  Turns a nice screen
                 full of little windows into a screen of lots of bouncing
                 little windows.  Cute!
                 Author:  Leo 'Bols Ewhac' Schwab


Lav         A "title bar type" program that displays the number of
                 tasks in the Amiga's run queue, averaged over the
                 last minute, 5 minutes, and 15 minutes.  Presumably
                 inspired by, and named after, the BSD "load average"
                 program.
                 Author:  William Rucklidge


MidiTools   Simple programs to play and record through the MIDI I/F.
                 Untested (I have no MIDI hardware).
                 Author:  Fred Cassirer


MoreRows    A program to make the workbench screen larger than normal.
                 The number of additional rows and columns are set via command
                 line arguments.
                 Author:  Neil Katin and Jim Mackraz


Tilt        Another of Leo's cute little toys.  This one
                 makes your Amiga look like it didn't pass Commodore's
                 vibration testing.
                 Author:  Leo 'Bols Ewhac' Schwab
```

========================= Contents of Disk 055 =========================

This is disk 55 of the freely distributable AMIGA software library.

                     Un-Pack this Disk

Csh   Version 2.05 of Matt Dillon's csh like shell, modified
         for Manx C.
         Author: Matt Dillon, Manx'ified by Steve Drew

NewStartups A couple of new C startup modules. AStartup.asm is
         the source to AStartup.obj, with 1.2 fixes and better
         quote handling. TWStartup.asm is like AStartup.asm but
         opens a stdio window, using a user supplied window
         specification, when executed from workbench.
         Author: Commodore, posted to BIX by Carolyn Scheppner

Palette   A tool which allows you to change another program's
         custom screen colors. Based on Charlie Heath's
         palette program from disk number 1.
         Author: Carolyn Scheppner

PipeDevice A working 'pipe:' device, which allows the standard output
         of one process to be fed to the standard input of another
         process, with both processes running concurrently.
         Author: Matt Dillon

ScreenSave A program to save a normal or HAM mode screen as an
         IFF file. Also creates an icon for the saved file.
         Author: Carolyn Scheppner

ShangaiDemo Demo version of the Activision game "Shanghai".
         Submitted directly by Activision for inclusion in
         the library.

SoundExample   A double buffered sound example for Manx C using 16-bit
         ints, small code, and small data.
         Author: Jim Goodnow

Vsprites   A working vsprite example.
         Author: Eric Cotton

Vt100   Version 2.6 of Dave's vt100 terminal emulator with
         kermit and xmodem file transfer. It just keeps getting
         better and better...
         Author: Dave Wecker

========================= Contents of Disk 056 =========================

This is disk 56 of the freely distributable AMIGA software library.

                     Un-Pack this Disk

ClipBoard   Clipboard device interface routines to provide a standard
         interface, such as Open, Close, Post, Read, Write, etc.
         Author: Andy Finkel

ConPackets Demos the use of DOS packets, finding the Window pointer
        and ConUnit pointer of the CLI window, toggling Raw mode,
        getting cursor position and limits from the ConUnit, and
        ESC-sequence cursor positioning.
        Author: Carolyn Scheppner

GetDisks   Sample program to find all available disk device names and
        return them as a simple exec list. The list is made of named
        nodes, with the name being the device name.
        Author: Phillip Lindsay

GetVolume   Sample program to get the volume name of the volume that
        a given file resides on. Works on any device, even the
        RAM: device.
        Author: Chuck McManis

Icon2C   Reads an icon file and writes out a fragment of C code
        with the icon data structures, for inclusion in a
        larger program.
        Author: Carolyn Scheppner

MergeMem   Program which attempts to merge the MemList entries
        of sequentially configured ram boards. When successful,
        allows allocating a section of memory which spans
        board boundries.
        Author: Carolyn Scheppner

mCAD   An object-oriented drawing program, version 1.1.
        Uses a small set of graphics primitives (like "line",
        "box", and "text") and a small set of editing functions
        (like "move", "size", and "rotate"). While drawing and
        editing, the user can call on other functions to
        modify the display; to zoom in, slide around, superimpose
        a grid, etc. This shareware program was submitted by
        the author.
        Author: Tim Mooney

========================= Contents of Disk 057 =========================

        ****
        *   *
        *   This disk has been pulled from distribution *
        *   because of possible copyright and/or   *
        *   trademark infringements with copyrights *
        *   and/or trademarks held by Steve Jackson *
        *   Games, of Austin Texas (the Ogre game). *
        *   If you find a copy in circulation, please   *
        *   notify the holder that it should be   *
        *   erased. A replacement disk without the *
        *   Ogre game has been reissued as disk 97. *
        *   *
        ****

========================= Contents of Disk 058 =========================

This is disk 58 of the freely distributable AMIGA software library.

                          Un-Pack this Disk

ASDG-rrd   Extremely useful shareware recoverable ram disk.
            This AmigaDOS device driver implements a completely
            DOS compatible disk device in memory that survives
            resets, guru's, and crashes. An absolute must for
            those with lots of ram. Binary only.
            Author: Perry Kivolowitz, ASDG Inc.

BigView   Displays any IFF picture, independent of the physical
            display size, using hardware scroll. Default display
            size is 320 by 200 in lo-res; HIRES or LACE attributes
            added if user width/height exceeds low resolution
            boundaries. Includes source.
            Author: John Hodgson

EGraph   Egraph reads pairs of x and y values from a list of files
            and draws a formatted graph. Supports four unique curve
            fonts; solid curves, dashed curves, dotted curves, and long
            dashed curves. The maximum number of data points is
            unlimited. Has globs of options. Binary only.
            Author: Laurence Turner

HyperBase   Nice little shareware database management system.
            Version 1.5. Binary only, source available from authors.
            Author: Michael MacKenzie, Marc Mengel, and Craig Norborg

MemClear   Walks through the free memory lists, zeroing free memory
            along the way, and coalescing memchunks that have contiguous
            address spaces. Includes source.
            Author: John Hodgson

NewZAP   A third-generation multi-purpose file sector editing utility,
            from the author of FileZAP. Displays and edits full 512-byte
            sectors via a 106 character wide internal font. Includes
            a search feature to find specific strings or hex digits,
            forwards or backwards. Version 3.0, includes source.
            Author: John Hodgson

RainBow   Marauder-style rainbow generator. Installs a user copper
            list such that the background color is changed every few
            scan lines. Includes source.
            Author: John Hodgson

SmusPlayers Two SMUS players, to play SMUS IFF music formatted files.
            Executables only.
            Author: John Hodgson

View   A tiny ILBM viewer, for use with either the CLI or WorkBench.
            Includes source.
            Author: John Hodgson

WBdump   JX-80 optimized workbench printer that does not use DumpRPort.
            Much more efficient than the Amiga JX-80 driver for full
            screen dumps. Includes source.
            Author: John Hodgson

========================= Contents of Disk 059 =========================

This is disk 59 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Browser   Another version of the browser program released on
            disks number 18 and number 34. Includes some bug
            fixes and enhancements. Includes source.
            Author: Mike Meyer, enhancements by Mark Schretlen

Browser2   This browser type program is apparently not based on
            the original Mike Meyer version. Binary only.
            Author: Dan Green

Clock   Another clock program, comes in several flavors
            depending upon features desired, which include
            using alternate fonts, using alternate colors, setting
            the time, etc. Binary only.
            Author: Mark Waggoner

Dme   Version 1.22 of Matt's text editor. Dme is a simple WYSIWYG
            editor designed for programmers. It is not a WYSIWYG
            word processor in the traditional sense. Features include
            arbitrary key mapping, fast scrolling, title-line statistics
            multiple windows, and ability to iconify windows.
            Author: Matt Dillon

DropCloth   Dropcloth replaces the standard blank WorkBench backdrop
            with a pattern, of setable intensity. Binary only.
            Author: Eric Lavitsky and Perry Kivolowitz

DropShadow A program that makes your WorkBench windows have
            dropshadows. Neat. Binary only.
            Author: Jim Mackraz

FixWB   A program similar to "DropCloth" (also on this disk),
            but not fully working yet. At least this one is provided
            in source, so you get your choice of a working one in
            binary or a nonworking one in source. Sigh.
            Author: Leo Schwab

mCAD   An object-oriented drawing program, version 1.2.2.
            Uses a small set of graphics primitives (like "line",
            "box", and "text") and a small set of editing functions
            (like "move", "size", and "rotate"). While drawing and
            editing, the user can call on other functions to
            modify the display; to zoom in, slide around, superimpose
            a grid, etc. This shareware program was submitted by
            the author. Many improvements over the version
            released on disk number 56. Binary only.
            Author: Tim Mooney

Robotroff   Another of Leo's cute little display hacks. This one
            has a definite attraction to pointers (don't want to
            spoil the surprise).

```
                    Author:  Leo Schwab


Supermort   A general compounding/amortization routine, using the
            intuition environment, which can be used for mortgage/loan
            computations.  Binary only.
            Author:  Mark Schretlen
========================= Contents of Disk 060  =========================


This is disk 60 of the freely distributable AMIGA software library.


                        Un-Pack this Disk


Note that many of the programs on this disk are shareware/freeware.
This means that if you find them useful, you are morally obligated
to send a small donation to the author to help support his efforts and
fund further development.  I hope that by including them in this
library I have furthered the author's goals of widest possible
distribution and thus maximum return.  Also note (for those that
like to split hairs) that I am distributing this disk as a "freebee".
To receive a copy, just request it when ordering any other disks from
the library.



Blitz       Blitz is a small program that is designed to be loaded
            into memory and that sits in the background until activated
            by its hotkey.  It allows you to view a text file, much
            like a TYPE command, only that it lets you move forwards
            and backwards through the file.  Its screen updates are
            blitz'n.  Binary only.
            Author:  Hayes Haugen


BlitzFonts  Blitzfonts makes text output up to 6 times faster,
            transparently to well behaved programs.  It is also
            very small and written 100% in assembly for maximum
            speed.  Binary only.
            Author:  Hayes Haugen


HandShake   Handshake is a full featured VT52/VT100/VT102 terminal
            emulator.  The author has taken great pains to support
            the full VT102 spec.  This is version 1.20a, binary only.
            Author:  Eric Haberfellner


Med     Yet another Amiga text editor.  This one lets you edit up
            to 36 files simultaneously and makes extensive use of
            the mouse.  This is version 2.1, binary only.
            Author:  Francois Rouaix


PrtDrvGen   Program to automatically generate custom printer drivers.
            Version 1.1, binary only, source available from author.
            Author:  Joergen Thomsen


Show        A nice, very small slideshow type program, version 2.1,
            binary only.
            Author:  Andry Rachmat


Uedit       Version 2.0 of this nice shareware editor.  Has learn
            mode, a command language, menu customization, and other
```

        user configurability and customizability features.
        Binary only.
        Author: Rick Stiles

Ueturbo   Example of extensive customization of Uedit to set up
        a nice development environment. Includes source.
        Author: Tom Althoff

=========================== Contents of Disk 061 ===========================

This is disk 61 of the freely distributable AMIGA software library.

                Un-Pack this Disk

ATPatch   A program which reportedly will patch the Amiga Transformer
        for operation under Workbench 1.2 (I don't have one so
        couldn't test it). Includes source.
        Author: Philip Staub

FillDisk   Disksalv has been known to find some rather interesting
        things in the free blocks of some production disks
        from companies that should know better. This little
        hack makes sure you don't get caught in the same trap,
        by scribbling the disk's free blocks in a totally safe
        manner. Includes source (all 20 lines of it).
        Author: Fred Fish

LPatch   Patch for programs, such as 'Atom', with bad 1.0 Lstartup
        code, which abort during startup under 1.2 with 00038007
        alert (can't open dos library). Includes source.
        Author: Carolyn Scheppner

MicroEmacs Version 3.8b of Daniel Lawrence's variant of Dave
        Conroy's microemacs. This version is greatly enhanced
        over the last version, distributed on disk number 22.
        For example, there is now a full extension language and
        support for a larger number of 68000 machines. Includes
        source.
        Author: Dave Conroy, MANY enhancements by Daniel Lawrence

PearlFont   A font similar to Topaz, but with smoothed out edges
        and more rounded characters.
        Author: Michael Portuesi

Terrain   Program which demonstrates generation of good looking
        pseudo-random scenery. Includes source in Draco.
        Author: Chris Gray

VSprites   Vsprite example from Rob's book "Programmers' Guide To
        The Amiga". Produces 28 VSprites onscreen simultaneously,
        using only three distinct sets of colors. Includes source.
        Author: Rob Peck

=========================== Contents of Disk 062 ===========================

This is disk 62 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

This disk contains a port of the popular UNIX game "Hack", done by
John Toebes and the crew at the Software Distillery. This is version
1.0.3D. The disk is unchanged except for the following:

    (1) I have added this file, README.list62.

    (2) I have added the standard distribution info file,
        README.dist.

    (3) I have copied all the files to a freshly formatted
        disk, to create the master distribution disk, using
        a command of the form "copy df0: to df1: all". This
        insures that disk fragmentation is kept to a minimum,
        but also has the unfortunate side-effect that all
        the file dates are changed.

Note that this disk must be named "Hack_Game". I have elected to keep
that name, rather than using the usual "AmigaLibDiskXX" convention for
disks in my library, to avoid requiring users to rename the disk before
using it.

-Fred

========================= Contents of Disk 063 =========================

This is disk 63 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

This disk contains a port of the popular UNIX game "Larn", done by
Edmund Burnette and the crew at the Software Distillery. This is version
12.0B. The disk is unchanged except for the following:

    (1) I have added this file, README.list63.

    (2) I have added the standard distribution info file,
        README.dist.

    (3) I have copied all the files to a freshly formatted
        disk, to create the master distribution disk, using
        a command of the form "copy df0: to df1: all". This
        insures that disk fragmentation is kept to a minimum,
        but also has the unfortunate side-effect that all
        the file dates are changed.

Note that this disk must be named "Larn". I have elected to keep
that name, rather than using the usual "AmigaLibDiskXX" convention for
disks in my library, to avoid requiring users to rename the disk before
using it.

Also note that, as distributed, this disk is only about 40% full. Normally
I try to fill my library disks to about 90-95% full, but these "packaged"
disks are special.

-Fred

========================= Contents of Disk 064 =========================

This is disk 64 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

This is a copy of the Amiga Developer's IFF disk, received directly from
Commodore-Amiga sources, with permission to place in the library and
redistribute. It is an update to disk number 16, and is unchanged except
for:

    1) The volume name has been changed to AmigaLibDisk64.
    2) This file (README.list64) has been added.

I didn't have room for my standard README.dist file. There were only
4 free blocks on the disk when I got it!

Enjoy
-Fred

========================= Contents of Disk 065 =========================

This is disk 65 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Bawk   Text processor inspired by the Unix awk utility. Bawk
            searches files for specific patterns and performs
            actions for every occurance of these patterns. The
            patterns can be regular expressions. The actions are
            expressed using a subset of the C language. Unfortunately
            this version always gets a stack overflow no matter what
            the stack is set to, I haven't had a chance to find the
            bug. Includes source, so you can hunt for it. Looks
            like it could be a very useful utility for the Amiga.
            Author: Bob Brodt

CloseWB   Simple program for use with MWB (also on this disk)
            to close a current WorkBench screen, and let you
            open WorkBench on a custom screen.
            Author: Matt Dillon

Cookie   Fortune cookie program. Includes source.
            Author: Richard Stevens

JTime   Detailed instructions, including schematics in IFF
            format, for building and installing a battery backed
            up real-time clock. The clock goes on the joystick
            port (aka mouse port 2).
            Author: Michael Keryan

MenuBuilder A program which automates the process of building
            menus. It takes a simple text file and generates
            a C source file with all the needed structures for
            linking with the rest of your program. This is
            version 1.0, and includes source.

                   Author: A. Preston

MWB   A program which will create a new 'WorkBench' screen
          and route by request OpenWindow calls meant for the
          WorkBench to these new screens. This allows you to run
          programs which normally open windows on the WorkBench
          screen to use a custom screen instead. Version 1.01,
          includes source.
          Author: Matt Dillon

NewPackets Tutorial downloaded from BIX C-A support section, which
          describes some new packets and structures in 1.2 AmigaDos.
          Author: Carolyn Scheppner

PascalToC A Pascal to C translator program which is supposed to
          correctly handle function, procedure, and most type
          declarations. However, this quick and dirty port didn't
          fare too well on even a simple little Pascal fragment from
          Software Tools in Pascal. I don't know if the problem is
          machine dependencies in the code or bugs. Looks like it
          could be useful with a little more work than I have time
          to put into it now. Includes source.
          Author: James Mullens, enhancements by Dan Kegel

Prep   Version 2.1 of a Fortran preprocessor called 'prep', an
          alternative to ratfor. Prep has better macro facilities,
          a concise shorthand for array and vector statements, all the
          standard flow control constructs of forth, and is written
          in generic, portable C (I made no source changes).
          Includes source.
          Author: Roger Ove

RunBack   A program that allows you to start another program which
          is independent of the CLI window. This is useful to start
          programs from your Startup-Sequence, load WorkBench, and
          then close the initial CLI (which could not be closed
          otherwise).
          Author: Charlie Heath, Microsmiths

SunMouse   Makes your mouse behave like the Sun Microsystem
          Sunwindows mouse. You no longer have to 'click' in
          a window to make it active. Just move the mouse pointer
          into the window and start typing. Version 1.0, binary only.
          Author: Scott Evernden

=========================== Contents of Disk 066 ===========================

This is disk 66 of the freely distributable AMIGA software library.

                   Un-Pack this Disk

AmScsi   Preliminary documentation for a hardware project to
          build a SCSI controller board. The design does not
          support DMA or AUTOCONFIG'ing.
          Author: Rich Frantz

Asm68k   Full featured macro assembler, version 1.0.1, binary

```
                  only.  Well documented.
                  Author:  W. Wesley Howe


Assigned    Same code showing how to find out whether or not a
            name has been assigned (via the dos ASSIGN command)
            before using it, thus avoiding the DOS Insert-Disk
            requester.  Includes source.
            Author:  Dan Green


Dk          A little display hack, inspired by Leo's gems.  Written
            in Modula-2, includes source.
            Author:  Thomas Handel


Flip        Seems like Leo's gems have inspired lots of people.  This
            one is quite cute also.  Written in assembler, includes
            source.
            Author:  Mike Berro


Foogol      Just what you've been waiting for, a foogol cross
            compiler for your Amiga that generates VAX assembly
            code.  Now you can port all those Amiga foogol programs
            to your VAX!  Seriously, foogol-IV is a tiny Algol like
            language and this is a compiler for it.  Includes source.
            Author:  Per Lindberg


Free        Free returns the available free bytes on any storage
            device that AmigaDos sees as a drive.  A list of up to
            six drives is kept by the program and may be cleared or
            added to at any time by the user.  Includes source.
            Author:  Tom Smythe


MallocTest  A malloc/free test program that allocates and frees
            randomly sized pieces of memory with random lifetimes,
            and fills them with patterns that can be checked for
            corruption.  Useful for beating on your vendor supplied
            memory management routines, or possibly as a poorman's
            memory test program.  Includes source.
            Author:  Neil Webber


Melt        Another display hack from the master himself...
            Includes source.
            Author:  Leo Schwab


Nart        Another display hack from the master himself...
            Includes source.
            Author:  Leo Schwab


Purty       Provides an easy way to change some common printer
            settings via a small window with several gadgets.
            Binary only.
            Author:  Charles Tyson


RayTracer   A simple ray tracing program.  It is capable of depicting
            up to 150 balls and a plane that is covered with a tiling
            of any bitmapped picture.  Binary only and sparce
            documentation.
            Author:  Friedrich Knauss, Steve Williams, Jim Horn and
```

                  Mark Reichert

SendPackets Updated versions of the ASendPacket and SendPacket
        examples from disk number 35. ASendPacket is an example
        program for sending multiple packets asynchronously
        to a dos handler, for those interested in implementing
        programs with asynchronous AmigaDos file I/O.
        SendPacket is a general purpose subroutine to send
        AmigaDos packets. Includes source.
        Author: Phillip Lindsay

SnapShot   A small utility for dumping screens. This one works
        like POPCLI and stays dormant until you press Ctrl-Esc.
        Binary only.
        Author: Francois Rouaix

TagBBS   Version 1.02 of a shareware BBS system. Suggested
        shareware donation is $25. Binary only.
        Author: Patrick Hughes

========================= Contents of Disk 067 =========================

This is disk 67 of the freely distributable AMIGA software library.

                  Un-Pack this Disk

AmCat   Shareware disk cataloging program. Suggested donation
        of $20. Binary only.
        Author: Brian Conrad

AmigaSpell Very nice intuition oriented shareware spelling checker,
        version 2.0, binary only.
        Author: Mike Berro

Bouncer   A 3-D simulation of a bouncing ball written in
        Creative Solutions' Multi-Forth, with source included.
        Author: Jon Bryan

Comm   Another nice terminal program. Version 1.33, binary only.
        Author: DJ James

Dux5   Latest version of directory utility which is a descendant
        of the original dirutil program by Chris Nicotra. Includes
        source.
        Author: Enhancements and fixes by lots of people

HexCalc   Nice little hex/oct/dec/bin calculator and converter.
        Binary only.
        Author: Scott Ross

Icons   A collection of some icons for general purpose programs
        and some particular programs. The "documentation"
        icon is particularly cute.
        Author: Jeff White

Mandala   A mandala graphic program with sound, sort of Eastern
        music. Binary only.

```
        Author:  Unknown

PersMait    Demo version of shareware personal/personnel file manager.
        Includes list processing, capability to run mailing labels,
        mail merge output feature, and more.  Demo version is
        binary only and limited to input mode.  Suggested donation
        of $24 for the "real" version.
        Author:  Breen and Associates

RSLClock    Yet another nice little clock utility that can sit
        around in your title bar.  Lots of options.  Version 1.3,
        binary only.
        Author:  Roy Laufer

RTCubes    A little graphics demo that shows 16 3D cubes in a 3D
        space, all being translated, rotated, and drawn on the
        screen in real time.  Binary only, takes over the machine,
        reboot to recover.
        Author:  Ralph Russell

Wheel      Nice little "Wheel of Fortune" type game, written in
        AmigaBasic.
        Author:  Hari Wiguna
```

========================== Contents of Disk 068 ==========================

This is disk 68 of the freely distributable AMIGA software library.

                 Un-Pack this Disk
To quote the "Read Me" file:

    This diskette contains the latest Amiga version of MicroGNUEmacs
    (MG 1b), a small but powerful text editor that also runs on many
    other computer systems besides the Amiga.

    One of MG's major goals is to be compatible with its "cousin"
    GNU Emacs, so certain features you may have seen in other
    versions of MicroEmacs may work differently here, or not exist.
    Hopefully, you'll find the added features MG provides to be
    worth the trouble it takes to make the switch.

    As well as the commands available on *all* systems MG supports,
    Amiga MG has many Amiga-specific features: the Amiga mouse (with
    24 different functions!), Intuition pull-down menus, the Browser
    (a very nice way to select files), Amiga function keys, a
    full-screen editing window, and support for using a different
    text font in the editing window.

MicroGNUEmacs is based on the original work of Dave Conroy, author of the
public domain v30 version. It has been greatly enhanced through the
efforts of the following people:

    mwm@ucbopal.berkeley.edu   Mike Meyer
    mic@ngp.utexas.edu   Mic Kaczmarczik
    blarson@usc-eclb.arpa   Bob Larson
    rtech!daveb@sun.com   Dave Brower (previous version)

The current version is known to run on the following systems:

     4.2 & 4.3 BSD Unix, Sun 3.2
     Ultrix-32 (BSD Unix)
     OS9/68k
     VMS
     Amiga
     System V
     Eunice
     Primos
     Cpm/68k
     Atari ST

A very nice job guys! Congratulations.

This disk is essentially unchanged except that I have added the usual
README.dist and README.list files, along with changing the volume name
to AmigaLibDisk68. The original volume name was "MG1b".

========================== Contents of Disk 069 ==========================

This is disk 69 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Asm68k   Full featured macro assembler, version 1.0.3, binary
            only. Well documented.
            Author: W. Wesley Howe

BlitLab   Blitlab is a program which lets you experiment with
            the blitter, to your hearts content, in relative safety.
            It opens a workbench window with gadgets for all the
            registers of the blitter, and allows you to manipulate
            individual registers and perform blits on a magnified
            bitmap. Includes source.
            Author: Tomas Rokicki

Conman   A replacement console handler that provides line editing
            and command line history. Is completely transparent to
            any application program that uses CON: windows. Programs
            that use RAW: input are not affected. VERY useful.
            Shareware version 0.9, binary only (source to be available
            from author).
            Author: William Hawes

Console   Console is a try at a new set of routines to get around some
            of the problems with the standard system routines, and
            includes some simple graphics routines. Includes source.
            Author: Jim Cooper

Dk   A little display hack, inspired by Leo's gems. Written
            in Modula-2, includes source. Slightly newer than version
            on disk number 66.
            Author: Thomas Handel

Frags   Reports the number of free blocks of size 2"(n-1) to

```
              (2"n)-1 for n up to 24 (blocks of max size 16Mb-1).
              Translation:  Gives you some idea of how fragmented
              your free memory is.  Includes source.
              Author:  Mike Meyer

IconType    Change the type of an icon after editing with IconEd.
              Types are Disk, Drawer, Tool, Project, Garbage, and Device.
              Includes source.
              Author:  Larry Phillips

Make        Public domain make from mod.sources, Volume 7, number 91.
              It has been cleaned up, Manx'ified, and some new features
              added, by Steve Walton.  Includes source.
              Author:  "caret@fairlight.OZ"

MonProc     A simple program to allow you to monitor any process for
              packet activity.  Includes source.
              Author:  Phillip Lindsay

MouseClock  Turns your mouse pointer into a digital clock with
              updates once per minute.  Includes source.
              Author:  John Hoffman

Sb          Structure browser, that displays system structures
              via pointers found in other structures.  You start
              from IntuitionBase and go from there.  Version 1.0,
              includes source.
              Author:  Nick Sullivan and Chris Zamara

Spew        Program which generates amusing 'National Enquirer'
              type headlines.  Works from a 'rules file' which
              describes how the headlines are to be constructed.
              Includes source.
              Author:  Gregory Smith (original by "mark@pixar")

Spool       The SPOOL system consists of 3 programs: A queue manager,
              a printer driver, and a SPOOL request program.  The SPOOL
              system demonstrates the power of the Amiga's mutitasking
              abilities in a very practical way.  It makes extensive use
              of Amiga Exec's message passing facilities and list-handling
              primitives.  Version 1.2, includes source.
              Author:  Tim Holloway

Wc          A "word count" program, ala Unix's wc, that is faster
              because it doesn't count what you don't ask for, plus
              some other improvements.  Includes source.
              Author:  Steve Summit
```

========================= Contents of Disk 070 =========================

This is disk 70 of the freely distributable AMIGA software library.

Un-Pack this Disk

Note that many of the programs on this disk are shareware/freeware.
This means that if you find them useful, you are morally obligated
to send a small donation to the author to help support his efforts and
fund further development. I hope that by including them in this

library I have furthered the author's goals of widest possible
distribution and thus maximum return. Also note (for those that
like to split hairs) that I am distributing this disk as a "freebee".
To receive a copy, just request it when ordering any other disks from
the library.

```
AmigaMonitor   Dynamically display the state of the machine, including
        open files, active tasks, resources, device states,
        interrupts, libraries, ports, etc.  Display window into
        memory.  Version 1.13, binary only (source available
        from author).  Author suggests $15 donation.
        Author:  Jim Voris

Arc     The ubiquitous compressing archiver program that
        has become the de facto standard for distributing
        binaries and multi-file postings on most BBS's.
        This is Amiga version 0.23, a port of arc version v5.0,
        binary only.  Author suggests $35-$50 donation.
        Author:  System Enhancement Associates
             Amiga version by Raymond Brand

BlackBook   Keeps track of those important phone numbers and addresses.
        Shareware, author suggests $30 donation.
        Author:  Craig Nelson

DoTil       Lists, in alphabetical order, all files on any two directories,
        showing file size, creation date/time, and amount of free
        disk space.  Also copies, renames, or deletes files and/or
        directories, and moves files from one directory to another.
        Version 2.0, shareware, author suggests $15 donation.
        Author:  Dan Franki

GravityWars The object of this game is for one player to hit the
        other player's ship with a missle, before being hit
        yourself.  The ships and planets don't move, but
        aiming the missle in the presence of gravity fields
        and black holes makes hitting your target difficult.
        Version 1.03, shareware, author suggests $5 donation.
        Author:  Ed Bartz

Jobs        A alternate user interface to WorkBench or CLI.  Version
        2.1, binary only.
        Author:  John Sawaya

Lens        This program magnifies a small area surrounding the pointer
        and displays it in a separate window.  Version 1.0, binary
        only.
        Author:  Ned Konz

Life-3d     A 3d version of the classic cellular-automaton game.
        Shareware, author suggests $20 donation.  Version 1.2,
        binary only.
        Author:  Bob Benedict

Logo        A logo interpreter, with user interface like the Apple II
        logo.  Shareware, author suggests $5 donation.
        Author:  Gerald Owens
```

SetKey   Keymap editor, version 1.0 demo.   Version without save
           function disabled is $25. Binary only.
           Author: Charles Carter (CodeWorks)

Vpg   Video Pattern Generator. Creates displays useful for
           adjusting monitors and setting up live shots with
           center crosshair, frame, dots, H lines, V lines and
           an adjustable rectangle. Version 1.0.
           Author: Mike Berro

========================== Contents of Disk 071 ==========================

This is disk 71 of the freely distributable AMIGA software library.

                Un-Pack this Disk

AirFoil   Airfoil generator utilizing the Joukowski transformation.
           Generates airfoil models as well as their corresponding
           streamline and pressure distributions. Includes source.
           Author: Russell Leighton

AmiBas   Some miscellaneous AmigaBASIC programs, including
           a 3D plot program, a caleidoscope, a C-A logo drawing
           program, a file comparison utility, a string search
           program, etc. Includes source.
           Author: Peter Kittel

Blocks   A variation of "lines", but with variable color blocks.
           Binary only.
           Author: Gary Walker

Comm   Another nice terminal program. Version 1.34, binary only.
           Author: DJ James

DiskX   A handy utility for poking around in the guts of an
           AmigaDOS file system. Binary only, but source available
           from author.
           Author: Steve Tibbett

Fpic   Fpic is an image processing program, designed specifically
           to be used in conjunction with digitized (Digi-View) lo-res
           black & white IFF picture files. Provides several filters,
           including average, binary (threshold), clipblit, cross,
           Sobel, Roberts, pixelize, sharpen, and a user defined
           matrix. Also supports merging of two images, histogram,
           image compare, and remapping. Binary only.
           Author: Bob Bush

IconMk   Iconmaker builds icons for files that were created without
           them. Version 1.2a, binary only.
           Author: Eric Levy

Icons   Various new Icons from several sources.
           Author: Several

NewFonts   Two new fonts; shalt18, an electronic ciruit element

                    font, and ibm5, a PC like font, different from that
                    for Sidecar.
                    Author: Peter Kittel

PetCLI   An AmigaBASIC program that allows editing in CLI command
              lines (similar to the PET and MYCLI). Includes source.
              Author: Peter Kittel

PWDemo   Demo version 1.2 of the commercial product PowerWindows.
              PowerWindows aids in creation of custom windows, menus,
              and gadgets. It will write C or assembly source implementing
              these, for linking with your programs. Binary only.
              Author: Inovatronics Inc.

Rot   Program which generates and displays 3D objects. Consists
          of two pieces, an object editor and an action editor.
          The object editor creates 3D objects and the action
          editor defines up to 24 3D views of an object (which
          can be quickly cycled to get an animation effect).
          Version 0.5, binary only.
          Author: C. French

TimeSet   Handy little utility to set the system time from the
             workbench environment, without resorting to preferences.
             Binary only.
             Author: Unknown (DEH?)

========================= Contents of Disk 072 =========================

This is disk 72 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

It's been quite a while since the last disk with any pictures, so
this one is just chock full of them. There are HAM pictures, high
resolution B&W digitized pictures, and some interesting freehand
drawings. Has a little of everything...

========================= Contents of Disk 073 =========================

This is disk 73 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Add   Lets you create keyboard shortcuts for selection of menu
          items in programs where the author did not make provisions
          for such shortcuts, or chose ones that disagree with you.
          Also includes "until" which waits for a specific named
          window to be created. Shareware, includes source.
          Author: John Russell

AutoIconOpen   Example code to fool WorkBench into thinking it is receiving
          mouse inputs that select and open icons. Includes source.
          Author: Tony Wills

Dio   A module which makes it very easy to use EXEC devices,
          such as the 'serial.device'. It's generic and can be

```
                used with any EXEC device.  It allows you to easily open
                libraries, get multiple IO channels for a device,
                read, write, do asyncronous operations, etc.  Includes
                source.
                Author:  Matt Dillon

Dissolve    A program like ViewILBM, but the image slowly coalesces
                as pixels are added in random patterns.  Inspired by an
                article in Nov 86 issue of Doctor Dobb's Journal by
                Mike Morton.  Includes source.
                Author:  Lee Robertson

DTerm       Small, flexible, terminal program with intelligent data
                mapping, intelligent keyboard mapping, dynamic menus,
                intelligent command language, asyncronous IO, duplex
                control, and a state machine structure allowing you
                to build any automatic control structure you wish
                (from auto-redial, sequence dialing, to auto-logon).
                Version 1.10, binary only.
                Author:  Matt Dillon

Expose      Program which will automatically cause all screen
                drag bars and screen depth-arrangers to become exposed.
                Sends a message to windows which obscure the screen drag
                bars, asking them to move down a pixel, and also
                to become smaller if necessary.  Includes source.
                Author:  John Russell

Lit      Lit filters a file to stdout, showing all characters
                in an unambiguous format.  Printable characters are
                printed as is, non-printable characters are printed
                in any of three representation formats.  Version 2.0,
                includes source.
                Author:  Donald Irving

Lmv      This shareware program, submitted by the author, is
                called "Long Movie".  It loads up to 100 IFF graphics
                files and displays them in forward or reverse order,
                at up to 19 frames per second, to create computer
                animations for VCR recording.  Binary only, source
                available from author.
                Author:  Jim Webster

MouseOff    Mouseoff will cause the mouse pointer to disappear and
                then reappear if mouse movement is detected.  It will
                disappear again after 10 seconds of no mousing around.
                Includes source.
                Author:  Denny Jenkins

ParOut      An example that uses the parallel port resources
                (ciaa.resource and misc.resource) to access the parallel
                port directly.  Compiled, but untested, since I have
                nothing hooked to mine.  Includes source.
                Author:  Phillip Lindsay

PenPalFont  A font which will make your six year old feel right
                at home in a CLI window.  Cute.
```

                    Author: Burton Ogden

RunBackGround   Ancient history, but when I went looking for it on
        my disks, it was apparently something I missed. This
        program performs a function similar to that performed
        by RunBack on disk number 66, but this one is in
        C rather than assembler. Includes source.
        Author: Rob Peck

SnapShot   A small utility for dumping screens. This one works
        like POPCLI and stays dormant until you press Ctrl-Esc.
        Previous release on disk number 66 did not with with
        expansion ram, this one does. Binary only.
        Author: Francois Rouaix

TypeAndTell Example program that demonstrates installation of
        an input device handler before the Intuition one.
        This example traps all keys typed by the user and
        pronounces them in real time. To quit press CNTL
        LEFT-SHIFT LEFT-ALT RIGHT-AMIGA simultaneously.
        Includes source.
        Author: Giorgio Galeotti

Xplor   A program that scans all the system lists that start in
        ExecBase and prints out their names and addresses at
        which they start. Includes assembly source.
        Author: Larry Phillips

========================= Contents of Disk 074 =========================

This is disk 74 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Cled   A simple command line editor which allows you to edit
        your commands before and after they are processed.
        Uses the arrow keys and simple control sequence keystrokes
        for cursor positioning and editing tasks. Version 1.3,
        binary only.
        Author: Pat Empleo

Control   Program which provides finer control over the printer
        device. When it sees a DUMPRPORT, it fires up a requestor
        and lets you play with the values being passed in the
        IORequest block. Includes source.
        Author: Andy Finkel

Dme   Version 1.25 of Matt's text editor. Dme is a simple WYSIWYG
        editor designed for programmers. It is not a WYSIWYG
        word processor in the traditional sense. Features include
        arbitrary key mapping, fast scrolling, title-line statistics
        multiple windows, and ability to iconify windows. Update
        to version on disk number 59. Binary only.
        Author: Matt Dillon

DropShadow A program that makes your WorkBench windows have
        dropshadows. Update to version on disk number 59, this

                    one has slider gadgets to adjust the 3-dimensional
                    distance between window planes and the shadow darkness.
                    Neat, version 2.0, binary only.
                    Author: Jim Mackraz

Funds   AmigaBASIC program to track the prices of mutual funds or
                    stocks. Includes source.
                    Author: Bill Strack

Less   Like Unix "more", only better, with forward and
                    backward scrolling, searching and positioning by
                    percent of file and line number, etc. Very useful!
                    This is Amiga version 1.1, an update to the version
                    on disk number 34. Includes source.
                    Author: Mark Nudelman, Amiga port by Bob Leivian

Makemake   Reads C source files and constructs a vanilla makefile
                    in the current directory. Includes source.
                    Author: Tim McGrath

mCAD   An object-oriented drawing program, version 1.2.4.
                    Uses a small set of graphics primitives (like "line",
                    "box", and "text") and a small set of editing functions
                    (like "move", "size", and "rotate"). While drawing and
                    editing, the user can call on other functions to modify
                    the display; to zoom in, slide around, superimpose a grid,
                    etc. Update to version on disk number 59.
                    Shareware, binary only.
                    Author: Tim Mooney

Random   Simple random number generator in C. Includes source.
                    Author: Gene Toole (?)

TDebug   Monitor a device by intercepting the EXEC SendIO and DoIO
                    vectors. This will give you most of the IO request
                    information for any device. Version 1.00, includes source.
                    Author: Matt Dillon

Units   Units conversion program, including a chart option which
                    allows you to create charts of conversions. Nifty.
                    Includes source.
                    Author: Gregory Simpson

XCopy   A replacement for the AmigaDOS copy command. Preserves
                    the file date, provides an "update only" option, and
                    uses Unix type wildcards. Binary only.
                    Author: Lee Robertson

========================= Contents of Disk 075 =========================

This is disk 75 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Bezier   Simple programs to allow you to fool around with Bezier
                    curves, using the mouse to move the points that define
                    the curve and a prop gadget to change the granularity of

```
        the curve generation loop.  Includes source.
        Author:  Matt Dillon

BSplines    Simple program to fool around with B-SPLINES, ala the
        Bezier programs described above.  Includes source.
        Author:  Matt Dillon

Comm        Source release for comm version 1.34.  Last release
        on disk number 71 was binary only.

Copy        A replacement for the AmigaDOS copy program that
        is upwardly compatible, plus includes some new
        features like date preservation.  Version 1.0,
        includes source.
        Author:  Jeff Lydiatt

Diff        A simple version of diff.  Includes source.
        Author:  Erik Baalbergen

DuM2        A version of the ever popular directory utility (dirutil)
        but this one is written in Modula 2 and includes source.
        Dirutil is a program to wander around a directory tree
        and perform various operations on files.  Version 1.5.
        Author:  Greg Browne

Eless       A faster directory lister, that also sorts entries
        and displays directories in the current cursor color
        (ala the Manx "ls" program).  Includes source.
        Author:  Leo Schwab

Fd      A modified version of Leo's "eless" that processes
        an entire track at a time, to minimize rereading of
        blocks.  Includes source.
        Author:  Leo Schwab, enhancements by Stephen Vermeulen

HardCopy    A neat little program that creates a hardcopy transcript
        of any CLI session (like the unix "script" program).
        Includes source.
        Author:  Davide Cervone

MouseOff    Enhanced and smaller version of MouseOff released on
        disk number 73.  MouseOff will cause the mouse pointer
        to disappear and then reappear if mouse movement is
        detected.  Includes source.
        Author:  Denny Jenkins, reworked by Tom Smythe

SetFont     Program to change the font used by a workbench screen.
        Version 2.0, source included.
        Author:  Dave Haynie

SpeedDir    Another faster directory lister type program.  This
        one uses the standard dir utility format for displaying
        directories.  Written in assembler, includes source.
        Author:  Bryce Nesbitt

========================= Contents of Disk 076 =========================
```

This is disk 76 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Disk 1 of 2 of Chris Gray's Draco distribution for the Amiga.
The disk is unchanged except for the following:

    (1) I have added this file, README.list76.

    (2) I have added the standard distribution info file,
        README.dist.

Note that this disk was named "Draco SYS". I have elected to keep
that name, rather than using the usual "AmigaLibDiskXX" convention for
disks in my library, to avoid requiring users to rename the disk before
using it.

Also note that, as distributed, this disk is only about 65% full. Normally
I try to fill my library disks to about 90-95% full, but these "packaged"
disks are special.

-Fred

========================= Contents of Disk 077 =========================

This is disk 77 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Disk 2 of 2 of Chris Gray's Draco distribution for the Amiga.
The disk is unchanged except for the following:

    (1) I have added this file, README.list77.

    (2) I have added the standard distribution info file,
        README.dist.

Note that this disk was named "Draco Other". I have elected to keep
that name, rather than using the usual "AmigaLibDiskXX" convention for
disks in my library, to avoid requiring users to rename the disk before
using it.

Also note that, as distributed, this disk is only about 80% full. Normally
I try to fill my library disks to about 90-95% full, but these "packaged"
disks are special.

-Fred

========================= Contents of Disk 078 =========================

This is disk 78 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Cycles   A simple but enjoyable game apparently inspired by the
        cycle game in the movie "Tron". Version 1.0, binary only.
        Author: John G. Gilmore

EOMS   Experts Only Mercenary Simulator. A neat (and tough!)
            PD game that was originally developed for eventual
            commercial release but for various reasons the author
            decided to release as PD instead. So far my son has
            beat every other Amiga game I've got, both PD and
            commercial, but he gave up on this one. For serious
            game players. Binary only.
            Author: Daniel Cardenas

MandelVroom A new Mandelbrot picture generator with some neat
            features, including use of contour map making techniques
            that allow you direct control over coloration and
            recoloration in seconds, selectable fixed point or floating
            point computations, contour palette, picture presets, etc.
            Version 1.50, includes source.
            Author: Kevin Clague

========================== Contents of Disk 079 ==========================

This is disk 79 of the freely distributable AMIGA software library.

                Un-Pack this Disk

AsmTools   Some CLI type tools, written in assembler (echo,
            loadit, mounted, setlace, why). Includes source.
            Author: Bryce Nesbitt

AssignDev   Assigns multiple names to a given device. For example,
            allows the names "df0:" and "df3:" to refer to the
            same physical device. Includes source.
            Author: Phillip Lindsay

AuxHandler Example of a dos handler that allows use of a CLI via
            the serial port. Includes source.
            Author: Steve Drew

Cmd   Cmd redirects the serial.device or parallel.device output
            to a file. Useful for capturing print jobs for debugging
            or "offline" printing. Includes source.
            Author: Carolyn Scheppner

Info   Replacement for the AmigaDOS info command. Includes source.
            Author: Chuck McManis

Kill   Removes a task and as much of its resources as possible.
            Can close windows, unload process code, etc. Includes
            source.
            Author: George Musser

M2Error   M2error can be used to display compile errors produced by
            the TDI Modula-2 compiler, like the m2error supplied
            by TDI. Includes source.
            Author: Richie Bielak

MonProc   An enhanced version of the process packet monitoring
            program from disk number 69. Includes source.

```
          Author:  Phillip Lindsay, enhancements by Davide Cervone

Mounted    A little program to run from CLI scripts to find out if
          a disk is mounted or not.  Includes source.
          Author:  Peter DaSilva

Nro      Another roff style text formatter.  Includes source.
          Author:  Unknown, posted to usenet by Alan Vymetalik

ParTask    Example program for finding the parent task of your current
          task.  Includes source.
          Author:  Andry Rachmat

QueryAny    Simple program for use in CLI scripts to query for yes/no
          decisions.  Includes assembler source.
          Author:  Mark Smith

ScnSizer    Sets the preferences data for increasing the window bounds,
          and takes effect immediately.  Includes source.
          Author:  Thad Floryan

SharedLib  Working example of how to build a shared library.  Includes
          source.
          Author:  James Synge

Task       Simple example of how to use CreateTask.  Includes source.
          Author:  Carolyn Scheppner

Uw       Unix Windows client for the Amiga.  Version 1.00, includes
          source.
          Author:  Michael McInerny

Who      Lists tasks on the ready and wait queues.  Includes source.
          Author:  George Musser
========================= Contents of Disk 080  =========================


          **************************************************
          *                          *
          *   This disk has been pulled from distribution *
          *   because it contained proprietary software.  *
          *   If you find a copy in circulation, please   *
          *   notify the holder that it should be       *
          *   erased.  A replacement disk without the *
          *   proprietary material has been reissued  *
          *   as disk number 90.                *
          *                          *
          **************************************************

========================= Contents of Disk 081  =========================

This is disk 81 of the freely distributable AMIGA software library.

             Un-Pack this Disk

Asm68k     Full featured macro assembler, version 1.1.0, binary
          only.  Well documented.
          Author:  W. Wesley Howe
```

AutoFacc   Autofacc automatically shrinks the ASDG FACC window and
            moves it to the back. Also allows the number of buffers
            to be increased or decreased. Most useful from the
            Startup-Sequence file while booting. Binary only.
            Author: Andry Rachmat

Brushes   Contains 53 custom brushes for use in DPaint while drawing
            schematics. Includes things like resistors, capacitors,
            gates, transistors, IC pacs, etc.
            Author: Jim Lee

CheckIFF   Program to check the structure of IFF files and report
            any problems. Binary only.
            Author: Unknown

Cled   A simple command line editor which allows you to edit
            your commands before and after they are processed.
            Uses the arrow keys and simple control sequence keystrokes
            for cursor positioning and editing tasks. Update to version
            on disk number 74, this is version 1.4, binary only.
            Author: Pat Empleo

Conman   Extremely useful replacement for the standard console
            handler, that provides line editing and command line
            histories completely transparent to any application program
            that uses CON: windows. This program is shareware, and well
            worth a donation to the author. Version 0.99B, binary only.
            Author: William Hawes

Fonts   Several miscellaneous new fonts for your enjoyment.
            Author: (Several)

Icon   Version 6.0 of the public domain implementation of Icon
            from the University of Arizona. Binary only.
            Author: Ralph Griswold, Cary Coutant, Steve Wampler, et al.
                 Amiga port by Scott Ballantyne

KeyLock   Freezes the keyboard and mouse until the correct password
            is typed. Protection against inquisitive kids, cats, and
            other lifeforms. Binary only.
            Author: Andry Rachmat

Scat   Another display hack, created from Leo Schwab's "Ing"
            display hack. Binary only.
            Author: Stephen Pietrowicz

Smush   Another display hack, feed it an iff file and see what
            happens. Binary only.
            Author: Hobie Orris

Target   A little program which takes over the mouse pointer and
            turns it into a gunsight. Pressing the mouse button
            flashes the pointer and gives a gunshot. Version 1.23,
            binary only.
            Author: Matt Fruin and Michael McCarty

========================= Contents of Disk 082 =========================

This is disk 82 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Adventure   A port of the classic Adventure game originally
            written by Will Crowther and Don Woods. Has been
            extended to a 550 point version. Also speaks as it
            prints (though I found this feature annoying).
            Minimum 512K recommended. Binary only.
            Author: David Platt, Ken Wellsch, Dave Haynie

AmicTerm   A new terminal/communications program based on
            Dan James' "comm" program, but greatly enhanced.
            Includes a script language, auto redialing, choice of
            display beep or audible beep, enhanced file requester,
            and more. Version .50 (beta), binary only.
            Author: David Salas and Albert Kirk

D2D-Demo   Demo version of Disk-2-Disk from Central Coast Software
            (submitted by George Chamberlin). Binary only.
            Author: Central Coast Software

DX-Synth   Voice filer program for Yamaha DX series synthesizers.
            Voices are transfered to and from the Amiga over MIDI.
            Update to "VoiceFiler" released on disk number 38.
            Binary only.
            Author: Jack Deckard

DiskMan   Another "disk browser and/or dirutil" type program.
            Version 1.0, binary only.
            Author: Greg Cunningham

Icons   Miscellaneous new disk, directory, and file icons,
            including John Olsen's great "fishdisk" icon (thanks
            John!). Binary only.
            Author: Several

Panl   A universal midi patch panel that allows midi parameter info
            to be sent from the Amiga to any midi device that can accept
            param info. Version 1.2, binary only.
            Author: David Weinbach

Rocket   Another interesting Workbench display hack. This one
            is really a game in disguise. Binary only.
            Author: Peter da Silva

Sand   This program has "magnetic grains of sand" that follow the
            pointer wherever it goes. Cute. Binary only.
            Author: Eric Vaughan

========================= Contents of Disk 083 =========================

This is disk 83 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

This disk contains a demo version of TeX, ported to the Amiga by
Tomas Rokicki. The disk is unchanged except for the following:

    (1) I have added this file, README.list83, the standard
        distribution info file, README.dist, and associated
        icon files, plus "less" to read the text files.

    (2) I have copied all the files to a freshly formatted
        disk, to create the master distribution disk, using
        xcopy, which preserves the file dates. This insures
        that disk fragmentation is kept to a minimum.

    (3) In order to make room for the files I have added, I
        have compressed the file TeX/inputs/amigatex.tex using
        a version of compress (compress.b13) that should run on
        any standard 512K amiga. This version of compress is
        found in c/compress.b13. To recover the original file,
        execute the commands:

        cd AmigaLibDisk83:TeX/inputs
        :c/compress.b13 <amigatex.tex.Z >ram:amigatex.tex -d

Since this is a demo version of Tom's commercial product, it has several
limitations that let you get the flavor of the real thing but encourage
you to buy the commercial version. These limitations include TeX being
limited to processing only small files, the previewer being limited
to displaying ten pages or less, and only a small number of fonts being
provided. The full version of AmigaTeX comes on eight floppies and will
handle larger documents than most mainframe versions of TeX. See the
tex/README file for further info.

-Fred

========================= Contents of Disk 084 =========================

This is disk 84 of the freely distributable AMIGA software library.

               Un-Pack this Disk

AudioTools Demo programs from Rob Peck's article in the July/August
       issue of Amiga World on accessing the audio device.
       Includes source.
       Author: Rob Peck

BlitLab   Blitlab is a program which lets you experiment with
       the blitter, to your hearts content, in relative safety.
       It opens a workbench window with gadgets for all the
       registers of the blitter, and allows you to manipulate
       individual registers and perform blits on a magnified
       bitmap. This is version 1.2, an update to the version
       released on disk number 69. Includes source.
       Author: Tomas Rokicki

Ed   An editor based on the editor described in the original
       Software Tools book. It is very similar to the Unix

```
              "ed" editor, but not identical.  Includes source.
              Author:  Brian Beattie


GravityWars The object of this game is for one player to hit the
              other player's ship with a missle, before being hit
              yourself.  The ships and planets don't move, but
              aiming the missle in the presence of gravity fields
              and black holes makes hitting your target difficult.
              Version 1.04, shareware, author suggests $5 donation.
              This is an update to the version on disk number 70, and
              includes source in Modula-2.
              Author:  Ed Bartz


HunkPad     Two programs to help reduce problems with padding
              added by xmodem transmission.
              Author:  J. Hamilton and Aaron Avery


PipeHandler An AmigaDOS pipe device which supports OPEN, CLOSE, READ,
              WRITE, LOCK, EXAMINE, and EXNEXT.  Thus you can have
              "named pipes".  It also supports "taps" on a pipe, to
              capture all data flowing through the pipe. Version 1.2,
              includes source.
              Author:  Ed Puckett


PopCLI      Provides a simple way of starting another CLI at any
              time without having to load workbench or exit whatever
              program you may be using.  Also has a builtin screen
              saver mode that automatically blanks the Amiga console
              screen when there has been no input for a specified
              period of time.  Version III, an update to the version
              on disk number 40.  Includes source.
              Author: John Toebes


Requester   A file name requester that looks like the one used in
              Deluxe Paint, and a sample program for using the
              requester.  This is an update to the version released
              on disk number 34.  Includes source.
              Author: Kevin Clague, enhancements by Randy Finch


ScottDevice A mountable MicroForge SCSI driver.  Supports one SCSI buss
              device with two hard disk units attached to it.  Version
              33.1, includes source.
              Author:  Scott Turner


Viacom      Another of Leo's amusing little hacks.  Sort of a political
              statement regarding the quality of service of a certain
              San Francisco area cable TV service.  Includes source.
              Author:  Leo Schwab


========================= Contents of Disk 085 =========================


This is disk 85 of the freely distributable AMIGA software library.


                  Un-Pack this Disk


Csh      Version 2.06 of Matt Dillon's csh like shell, modified
              for Manx C.  Includes source.
```

```
            Author:  Matt Dillon, Manx'ified by Steve Drew

FileReq     Another file requester, but this one also has a fast
            pattern matching capability.  Includes source.
            Author:  Peter da Silva

Hide        A small utility to allow you to run old or ill-written
            applications on systems with expansion ram.  When hide
            is running, all memory allocations take place in chip
            memory.  Somehow, something like this missed making it
            onto my earlier disks.  Binary only.
            Author:  Francois Rouaix

ImageTools  A set of shareware tools, submitted by the author, to
            do various manipulations on IFF images, including comparison
            of the color palettes of a pair of IFF images, filtering
            an IFF image in various ways, producing a color usage
            frequency chart for an IFF image, reducing the size of
            an IFF image to produce a miniature to use as an icon,
            converting an icon to an IFF image, and recoloring an IFF
            image using the palette of a second image, in a least
            squared error fashion.  Shareware, binary only.
            Author:  Stephen Vermeulen

LowMem      Another fine freely redistributable product from ASDG.
            This one is a low memory server, which is a compact shared
            library which allows arbitrary processes to register their
            desire to be notified of impending memory shortages.  This
            allows good citizen programs to free up memory that they
            may not need, so other programs can use it.  Binary only.
            Author:  Perry Kivolowitz

Plot6       A star plotting program.  Short on documentation and
            user friendliness, but interesting nevertheless.
            Also includes source.
            Author:  Darrin West

RawIO       Example of how to set your standard input to what is
            commonly known as "raw" and/or "CBREAK" mode on Unix
            systems.  Includes source.
            Author:  Chuck McManis

Rocket      Another interesting Workbench display hack.  This one
            is really a game in disguise.  It is the same as the
            one on disk number 82, but also includes source.
            Author:  Peter da Silva

VMore       A shareware program, submitted by the author, that
            is a "more" like text file viewing utility that can
            be run on multiple files from either the WorkBench or
            the CLI.  Version 1.00, includes source.
            Author:  Stephen Vermeulen

Vnews       A simple news file reader, that will read all the news
            files in a specified directory, optionally starting with
            a specified file.  Includes source.
            Author:  Stephen Vermeulen
```

```
========================= Contents of Disk 086 =========================
```

This is disk 86 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

AutoPoint   Autopoint serves two functions: it automatically
        selects the window underneath the mouse pointer and
        it provides a very nice screen saver facility.
        Binary only.
        Author: Jude Katsch

ClickToFront   ClickToFront extends the user-interface so that
        a double-click into a window brings it to the front.
        Now as long as you can see any part of a window you can
        bring it to the front without having to hunt for the page
        gadgets. Version 1.1, includes source.
        Author: Bryce Nesbitt

Cmd   Cmd redirects the serial.device or parallel.device output
        to a file. Useful for capturing print jobs for debugging
        or "offline" printing. Version 3, includes source.
        Author: Carolyn Scheppner

FileIISG-Demo   A demo version of Softwood File IIsg, a database manager
        with sound and graphics. Also includes a database of
        of previously released disks in this library, courtesy
        of Stan Spence. Binary only.
        Author: Woody Williams and Donald Brady

```
========================= Contents of Disk 087 =========================
```

This is disk 87 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

AdvSys   An adventure writing system, as described in the May 1987
        issue of Byte magazine. Advsys is a special purpose
        programming language that was specifically designed to
        be used to write computer text adventure games.
        Version 1.2, binary only.
        Author: David Betz

AutoIconOpen   Example code to fool WorkBench into thinking it is receiving
        mouse inputs that select and open icons. This is version
        1.2, an update to the version on disk number 73. Includes
        source.
        Author: Tony Wills

Claz   Converts IFF picture files to POSTSCRIPT. Works with
        Amiga HAM pictures, as well as "normal" pictures. Also
        includes scaling. Version 2.0, includes source.
        Author: Steve Ludtke

Commodities Commodities Exchange, an Amiga exec library which can be
        opened and used by application programs to gain access to

```
            input in a very flexible way.  This is a "minimal, binary
            only" copy.  Source may be available on a future disk.
            Version 0.4.
            Author:  Jim Mackraz
```

Diff   A simple version of diff. Update to version on disk
            number 75, includes source.
            Author: Erik Baalbergen

Dme   Version 1.27 of Matt's text editor. Dme is a simple WYSIWYG
            editor designed for programmers. It is not a WYSIWYG
            word processor in the traditional sense. Features include
            arbitrary key mapping, fast scrolling, title-line statistics
            multiple windows, and ability to iconify windows. Update
            to version on disk number 74. Binary only.
            Author: Matt Dillon

DropShadow A program that makes your WorkBench windows have
            dropshadows. This is version 2.0, the same as on disk
            number 74, but also includes source.
            Author: Jim Mackraz

Elib   Example of building a shared library using small model
            Manx C. Includes source.
            Author: Jim Mackraz

ID-Handler An AmigaDOS device handler, that generates unique
            identifiers. Generates a new unique 16 digit decimal
            number each time it is opened by an application.
            Version 1.0, includes source.
            Author: Ed Puckett

Install   Two possible replacement versions of the standard
            install program (to make a disk bootable). Includes
            source.
            Author: Bryce Nesbitt and Scott Turner

MemWatch   Memwatch is a program intended to sit in the background
            and watch for random trashing of low memory by an
            application under development. If it detects a write
            to low memory, it repairs it to what used to be there,
            then puts up a requester indicating what damage had been
            done. Very useful! Version II, includes source.
            Author: John Toebes

MovePointer Moves the pointer to any specified location on the screen,
            specified by X-Y coordinates. Includes source.
            Author: "Cewy"

MoveWindow Move a named window to any arbitrary X-Y coordinate and
            possibly resize it at the same time. Includes source.
            Author: "Cewy"

MunchingSq Leo's "Munching Squares" hack, now upgraded to take a
            single argument for a seed value. Includes source.
            Author: Leo Schwab
```

PalTest     Example code of how to determine dynamically whether
            or not you are running on a PAL machine.  Includes source.
            Author:  Christof Bonnkirch

Sc          Program which demonstrates generation of good looking
            pseudo-random scenery.  Includes source in C (translated
            from Draco version on disk number 61).
            Author:  Chris Gray

Tek4695     A Tek4695 printer driver.  Binary only.
            Author:  Philip Staub

WBDualPF    An example of using a dual-playfield screen, using
            a method contrary to documentation in the Intuition
            Manual.  Fixed version of copy released on disk
            number 41.  Includes source.
            Author:  Jim Mackraz

WarpText    Fast text rendering routines, to be linked with application
            programs.  Reported to be able to display text as fast,
            or faster than, "blitz".  Includes source.
            Author:  Bill Kelly

Yaiffr      Yet Another IFF Reader.  Handles HAM, HIRES, and overscan,
            includes source.
            Author:  Leo Schwab

Zoo         A file archiver, much like "arc" in concept, but different
            in implementation and user interface details.  Includes
            some nice features that "arc" lacks (such as file/path
            names up to 255 characters in length).  Version 1.42A,
            binary only.
            Author:  Rahul Dhesi, Amiga port by Brian Waters


========================= Contents of Disk 088 =========================

        **************************************************
        *                        *                       *
        *    This disk has been pulled from distribution *
        *    because it contained proprietary software.  *
        *    If you find a copy in circulation, please   *
        *    notify the holder that it should be         *
        *    erased.  A replacement disk without the     *
        *    proprietary material has been reissued      *
        *    as disk number 89.                          *
        *                        *                       *
        **************************************************

========================= Contents of Disk 089 =========================

This is disk 89 of the freely distributable AMIGA software library.

                Un-Pack this Disk
This disk replaces disk number 88, which was pulled from circulation
due to the redistribution status of files in the directory "snap".
If you encounter a disk number 88 in circulation, please advise all

parties concerned that the disk should be erased immediately.

AutoEnquirer    An example of a screen contraption that is like a
        requester except that it's not quite as demanding,
        goes where you want to put it, and remembers where
        it was put.  Includes source and Manx'ified version
        of Chris Gray's fractalish terrain generator as a demo.
        Author:  Howard Hull

DEMOlition  Another neat little display hack.  In the spirit of
        these things, ya gotta run it to find out what it
        does.  Includes source.
        Author:  Kriton Kyrimis

DirMaster   A very nicely done shareware disk cataloger, submitted
        by the author for inclusion in the library.  Includes
        sample database of some disk libraries. Version 1.0a,
        binary only.
        Author:  Greg Peters

FuncKey     A shareware function key editor, submitted by the author
        for inclusion in the library.  Version 1.01, binary only
        (source available from author).
        Author:  Anson Mah

MFF-Demo    Demo copy of the MicroFiche Filer program from Software
        Visions Inc.  The MicroFiche File is a full-powered
        database program for manipulation of text, numbers, and
        pictures.  It uses the microfiche metaphor for dealing
        with your data graphically.  This is a full production
        version except that the save option has been disabled.
        Includes a sample database of my disk library.  Binary
        only.
        Author:  Gary Samad

Screenshift Screenshift is a small program that allows you to adjust
        the position of the screen on your display, just like the
        preferences function.  Works from CLI or WorkBench.
        Includes source.
        Author:  Anson Mah

Snake       A variant on the old "bouncing lines" program, this
        on uses multiple vertices and Bezier splines.  Includes
        source.
        Author:  KABjorke
========================= Contents of Disk 090  =========================

This is disk 90 of the freely distributable AMIGA software library.

                    Un-Pack this Disk

Note that many of the programs on this disk are shareware/freeware.
This means that if you find them useful, you are morally obligated
to send a small donation to the author to help support his efforts and
fund further development.  I hope that by including them in this
library I have furthered the author's goals of widest possible
distribution and thus maximum return.  Also note (for those that

like to split hairs) that I am distributing this disk as a "freebee".
To receive a copy, just request it when ordering any other disks from
the library.

This disk replaces disk number 80, which was pulled from circulation
due to the redistribution status of files in the directory "tools".
If you encounter a disk number 80 in circulation, please advise all
parties concerned that the disk should be erased immediately.


AmiGazer     Compute a view of the night sky, using a database of
             1573 stars, for any date, time of day, and latitude.
             Click on stars for info about them. Binary only.
             Author:  Richard Horne

CardFile     Study aid card file program written in AmigaBasic.
             Useful for organizing small blocks of data, such as
             can be done with a 3X5 card file system.  Binary only.
             Author:  James Parks

Conman       Extremely useful replacement for the standard console
             handler, that provides line editing and command line
             histories completely transparent to any application program
             that uses CON: windows.  Version 0.98B, binary only.
             Author:  William Hawes

IMandelVroom    A slightly modified version of Kevin Clague's mandelbrot
             program (on disk number 78) that uses his "ring detector"
             to draw an approximation of the interior strange attractor
             contours.  Binary only (with patches for original source).
             Author:  Kevin Clague, enhancements by Howard Hull

NewDemos     Some new demos, including replacements for the standard
             "lines" and "boxes" demos, that use only a few percent
             of the CPU time, so it is reasonable to have lots of them
             running simultaneously to demo multitasking.  Binary only.
             Author:  Steve Koren

Othello      Othello game, binary only.
             Author:  Matthew Bellew

PrinText     Program to display ASCII text files on the screen with
             scrollbar, arrow gadgets, automatic word-wrap, a search
             function, speech, IFF picture loading, and online help.
             Version 1.2, binary only.
             Author:  Opher Kahane

PrtDrvGen    Program to automatically generate custom printer drivers.
             Version 2.2b, binary only, source available from author.
             Author:  Joergen Thomsen

RainBench    Simple program which cycles the hardware color register to
             get an interesting effect on your workbench screen.
             Binary only.
             Author:  Brendan Keliher

ShortCut     A utility that collects keystroke sequences and allows

          you to replace them with a single key stroke.  Binary
          only.
          Author:  Opher Kahane

ShowPrint   A full-feature IFF picture file screen dump utility.
          Can display and print all sizes of pictures including
          those larger than the screen.  Allows adjustment of printer
          output in three modes: ASPECT, FULL, and CUSTOM output.
          Print vertically or horizonatally, in B&W, grey scale, or
          color, etc.  Binary only.
          Author:  Brian Conrad

Sizzlers    A series of graphics demo programs.  Version 1.7.0,
          binary only.
          Author:  Greg Epley

SpaceAceDemo    Shareware shoot-em-up spaceship game.  Binary only.
          Author:  Stephen McLeod

Timer       Creates a small window containing a timer.  Version 1.5,
          binary only.
          Author:  Bill Beogelein

========================= Contents of Disk 091  =========================

This disk contains a distribution of ADL (Adventure Definition Language).
ADL is a superset of an older language named DDL, by Michael Urban,
Chris Kostanick, Michael Stein, Bruce Adler, and Warren Usui.  ADL
enhancements were made by Ross Cunniff, who submitted this material
for inclusion in the library.  The disk is essentially unchanged except
that:

     (1) Many icon files have been added to help workbench only
          users get at least some information about this disk
          and about ADL (which is only usable from the CLI
          environment).

     (2) The disk name has been changed to AmigaLibDisk91.

     (3) The standard library files "GeneralInfo", "Contents",
          and "Distribution", along with their associated icons,
          have been added to the disk.

     (4) The directory 'c' has been added, along with a very
          nice text reader program called "less", which is the
          default tool for reading all the text files for which
          there are icons.

Included here are the sources to the ADL compiler, interpreter, and
debugger.  The binaries were compiled by Ross with the Lattice 3.03
compiler.  Ross noted in his letter that currently ADL is a
CLI environment program only, but that he hopes to offer a more
Amiga'ized version in the future.  Also, the stack size should be
set to at least 10000 before attempting to run ADL.

========================= Contents of Disk 092  =========================

This is disk 92 of the freely distributable AMIGA software library.

                    Un-Pack this Disk
Below is a listing of the significant directories and their contents.
Note that none of these can be used from the workbench, thus they
do not have any directory icons.  You must use the CLI environment to
use these materials.

As6502     Contains a portable 6502 assembler, including source
           in C.
           Author:  J. Van Ornum; Amiga port by Joel Swank

Bawk       Text processor inspired by the Unix awk utility.
           This is an update to the copy released on disk 65.
           Bawk searches files for specific patterns and performs
           actions for every occurance of these patterns.  The
           patterns can be regular expressions.  The actions are
           expressed using a subset of the C language.  Includes
           source in C.
           Author:  Bob Brodt; Amiga port by Johan Widen

HunkPad    HunkPad pads an object file out to where it is exactly
           a multiple of 128 bytes, thus making it immune to having
           garbage appended on to the end of it by xmodem type
           file transfer protocols.  Version 2, includes source.
           Update to version released on disk 84.
           Author:  J. Hamilton

Less       Like Unix "more", only better, with forward and
           backward scrolling, searching and positioning by
           percent of file and line number, etc.  Very useful!
           This is Amiga version 1.2, an update to the version
           on disk number 74.  Includes source.
           Author:  Mark Nudelman, Amiga port by Bob Leivian

Ndir       Library that implements the 4BSD unix directory access
           routines (opendir, closedir, readdir, etc).  Includes
           source in C.
           Author:  Mike Meyer

Parse      A recursive descent expression parser that parses
           expressions, computes the expression value, and prints
           it.  Includes support for some built in transcendental
           functions.  Includes source in C.
           Author:  John Olsen

Shar       Two programs to pack and unpack shell archives on the
           Amiga.  Shell archives are the traditional Usenet
           method of bundling multiple text files for posting
           as a unit or for sending via electronic mail.  Includes
           source in C.
           Author:  Fabbian G. Dufoe

SmallLib   A replacement for amiga.lib that is about 8 times smaller.
           Binary only.
           Author:  Bryce Nesbitt

UUencode    Programs to encode/decode binary files for transmittal
        via mail or other text-only methods.  The binary file
        is expanded by approximately 35% for transmittal.  This
        release is an update to the version on disk number 53,
        and includes a simple line-by-line checksum technique that
        can read and write files compatible with the older
        uuencode/uudecode, plus a file size test modification that
        is transparent to older uudecodes.
        Author:  Mark Horton with mods by Alan Rosenthal and
            Bryce Nesbitt

=========================  Contents of Disk 093  =========================

This is disk 93 of the freely distributable AMIGA software library.

                Un-Pack this Disk
Below is a listing of the significant directories and their contents.
Note that none of these can be used from the workbench, thus they
do not have any directory icons.  You must use the CLI environment to
use these materials.

Dme     Version 1.27 of Matt's text editor.  Dme is a simple WYSIWYG
        editor designed for programmers.  It is not a WYSIWYG
        word processor in the traditional sense.  Features include
        arbitrary key mapping, fast scrolling, title-line statistics
        multiple windows, and ability to iconify windows.  Update
        to version on disk number 87 (which was binary only).  This
        release also includes source.
        Author:  Matt Dillon

MicroEmacs  Version 3.8i of Daniel Lawrence's variant of Dave
        Conroy's microemacs.  This is an update to the version
        released on disk 61.  Includes source.
        Author:  Dave Conroy, MANY enhancements by Daniel Lawrence

=========================  Contents of Disk 094  =========================

This is disk 94 of the freely distributable AMIGA software library.

                Un-Pack this Disk
Below is a listing of the significant directories and their contents.
Note that none of these can be used from the workbench, thus they
do not have any directory icons.  You must use the CLI environment to
use these materials.

AudioTools  Demo programs from Rob Peck's article in the July/August
        issue of Amiga World on accessing the audio device.
        This is version 2, an update to the release on disk
        number 84.  Includes source.
        Author:  Rob Peck

ClickUpFront    ClickUpFront is another program, similar in function to
        the ClickToFront program from disk 86, that allows you
        to bring any window to the front simply by double-clicking
        in any part of it.  Version 1.0, includes source.
        Author:  Davide Cervone

HeliosMouse Another "sunmouse" type program.  Automatically activates
        a window simply by moving the mouse pointer into the window.
        Version 1.0, includes source.
        Author:  Davide Cervone

Iff2Ps     A program to convert any IFF file to postscript for
        printing or viewing on a postscript compatible device.
        Version 1.2, binary only.
        Author:  William Mason and Sam Paolucci

ModulaTools Various useful routines for those programming in Modula
        on the Amiga.  Binary only.
        Author:  Jerry Mack

Terrain3d  Program which demonstrates generation of good looking
        pseudo-random scenery.  This version is a derivative of
        "sc" distributed on disk 87, but now displays terrain
        in 3d relief.  Includes source.
        Author:  Chris Gray; 3d version by Howard Hull

========================= Contents of Disk 095  =========================

This is disk 95 of the freely distributable AMIGA software library.

                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Cmd     Cmd redirects the serial.device or parallel.device output
        to a file.  Useful for capturing print jobs for debugging
        or "offline" printing.  Version 4, includes source.
        Author:  Carolyn Scheppner

CygnusEdDemo    Demo version of CygnusEd, an editor from CygnusSoft
        Software.  CygnusEd supports simultaneous editing of
        multiple files, multiple views of the same file,
        very fast display, margins, word-wrap, status-lines,
        insert/overstike mode, online help, soft scroll
        borders, screen overscan, adjustable tab size, macros,
        text formatting options, block/line/word cut/copy,
        and more.  Also includes demo 3.0 version of MandFXP.
        Binary only.
        Author:  CygnusSoft Software

Gomf        Gomf stands for "Get Outa My Face", a phrase many a
        programmer has mumbled when a Guru alert appears
        unexpectedly.  This interesting little program can
        generally make the Guru go away and allow you to
        clean up and shutdown more cleanly.  Version 1.0,
        binary only.
        Author:  Christian Johnsen

Journal    Journal is a program that records a sequence of mouse and
        keyboard events as they occur and stores them in a file.
        The file can be played back with another program, also
        supplied, which causes the same sequence of events to
        occur again.  Very useful for creating demonstrations
        of programs or documenting repeatable bugs.  Version 1.0,

                        binary only.
                        Author:  Davide Cervone


MergeMem    Program which attempts to merge the MemList entries
            of sequentially configured ram boards.  When successful,
            allows allocating a section of memory which spans
            board boundries.  This is version 2, an update to the
            version released on disk 56.  Includes source.
            Author:  Carolyn Scheppner


PrinterStealer  A program similar in function to "Cmd" that allows
            diversion of output destined for the printer to
            a file for future output or debugging purposes.
            Binary only, source available from authors.
            Author:  Alex Livshits and J-M. Forgeas


Record-Replay   A program, similar in function to "Journal", that
            records and plays back mouse and keyboard events.
            Binary only, source available from authors.
            Author:  Alex Livshits and J-M. Forgeas


========================= Contents of Disk 096 =========================


This is disk 96 of the freely distributable AMIGA software library.

                    Un-Pack this Disk
Below is a listing of the significant directories and their contents.


AnimPlayer  An animation reader and displayer that is the result
            of a consortium of animation software developers, which
            includes the authors of Videoscape, Sculpt3D, Silver,
            Forms-In-Flight, and Animator:Apprentice.  Includes
            source.
            Author:  Martin Hash et al.


Chess       A port of a chess game posted to Usenet.  Still uses
            a "curses" type interface, so needs to be Amiga'ized.
            According to Bob, plays a better game than some of the
            commercial Amiga chess games.  Version 1.0, includes source.
            Author:  John Stanback; ported to Amiga by Bob Leivian


HackBench   HackBench provides the source for a WorkBench-like program,
            for experimentation and validation of new interface ideas.
            It is not intended to be an actual WorkBench replacement.
            Author:  Bill Kinnersley


Label       Simple program to print labels with arbitrary text.
            Version 1.3, binary only, but source available from author.
            Author:  Mike Hansen


LineDrawer  Makes a line drawing based on drawing commands stored
            in a text file.  Includes a demo that draws an outline
            map of the USA and state borders.  Version 1.0, includes
            source.
            Author:  John Olsen


PopUpMenu   Example code implementing pop-up menus that are reasonably

```
           compatible with Intuition menus.  Includes source.
           Author:  Derek Zahn


Tek4695     A Tektronix 4695/4696 printer driver.  Includes source.
           Author:  Philip Staub


TimeRam     A program to test the access speeds of Fast and Chip ram.
           Binary only.
           Author:  Bruce Takahashi


WarpText    Fast text rendering routines, to be linked with application
           programs.  Reported to be able to display text as fast,
           or faster than, "blitz".  This is an update to the version
           released on disk 87.  Version 2.0, includes source.
           Author:  Bill Kelly
```

========================= Contents of Disk 097 =========================

This is disk 97 of the freely distributable AMIGA software library.

                 Un-Pack this Disk
This disk replaces disk number 57, which was pulled from circulation
because of questions about the redistribution status of material in
the "Ogre" subdirectory (replaced with "shm"). If you encounter a disk
number 57 in circulation, please advise all parties concerned that the
disk should be erased immediately. Below is a listing of the significant
directories on this disk, and their contents.

```
CutAndPaste Public domain implementations of the Unix cut and paste
           commands.  Includes source.
           Author:  John Weald


GraphIt     A program to plot most simple functions in 2 or 3
           dimensions, as well as 2d parametric equations in
           term of t.  Includes source.
           Author:  Flynn Fishman


Juggler     Stunning animation of a robot juggler with ray traced
           reflective spheres.  Uses HAM mode display and sound
           effects to boot!  This is version 1.2 and apparently
           fixes some bugs in the original version released on
           disk number 47.  Binary only.
           Author:  Eric Graham


MouseReader Shareware program, submitted by the author, to read
           text files and view iff files using only the mouse.
           Binary only.
           Author:  William Betz


Shm     A simple graphics demo which approximately simulates the
           motion of two interacting pendulums.  Includes source.
           Author: Chris Ediss


Splines     Program to demonstrate various curve fitting and
           rendering techniques.  Also includes something unique
           for the Amiga world, pop-up menus.  Includes source.
           Author:  Helene (Lee) Taran
```

========================= Contents of Disk 098 =========================

This is disk 98 of the freely distributable AMIGA software library.

                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Access   A 16 color terminal program based on Comm version 1.34.
            Includes new macro window, custom gadgets, colorized
            menus, etc. Version Beta 0.18, binary only.
            Author: Keith Young (based on comm by D.J.James)

Backup   A simple backup program that writes normal AmigaDOS
            disks as the backup destination. To recover files, you
            just copy from the backup disk. Requires manual
            decisions about what subdirectories to backup to
            what disks to make everything fit. Includes source.
            Author: Alan Kent

DCDemo   A demo version of DiskCat 2.3, a disk catalog program.
            Demo is limited to cataloging 100 files at a time.
            Binary only.
            Author: Ed Alford, MicroAce Software

HdDriver   A complete driver for a WD-1002-05 hard disk controller
            card. This card can handle 3 hard disks and 4 floppies,
            but the driver currently only handles one hard disk.
            Includes source.
            Author: Alan Kent

QBase   Quick-Base is a "MailBase Management utility", that lets
            you define and maintain records of your family, friends,
            and other associates. Currently a maximum of 200
            records per file. Binary only.
            Author: Kevin Harris

Thai   A simple Thai quiz program developed by the author while
            he was learning the Thai language. It loads complete
            Thai sentences and words from a supplied file. If you
            click on the sentence or word gadget the program will
            pick a random sentence/word. You then click on the
            Thai/Speak/Phonetic/English gadget to display that
            version (or speak it). Includes source.
            Author: Alan Kent

========================= Contents of Disk 099 =========================

This disk contains a shareware version of a ray tracing package by Brian
Reed, called A-Render. It looks like a very nice package, but I have not
really had any significant amount of time to play with it. Binary only.

========================= Contents of Disk 100 =========================

This is disk 100 of the freely distributable AMIGA software library.

               Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Berserk   This animation, unveiled at the September 87 meeting
            of the First Amiga Users Group, got Leo a standing ovation.
            It is a "must see" for every Amiga user, and ranks up
            there with "Juggler" as a premier demo for the Amiga.
            Author: Leo Schwab

Conman   Extremely useful replacement for the standard console
            handler, that provides line editing and command line
            histories completely transparent to any application program
            that uses CON: windows. This program is shareware, and well
            worth a donation to the author. Version 1.0, binary only.
            Author: William Hawes

WBLander   Another interesting Workbench display hack. This one
            is really a game in disguise. Previously released
            on disk number 85 as "Rocket", this one has been
            upgraded to have sound effects. Binary only.
            Author: Peter da Silva