07225

COLLABORATORS

	TITLE : 07225		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		February 4, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

07225

1.1 "

========================= Contents of Disk 101 =========================

This is disk 101 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

CirPlane   A circular plane generator for VideoScape 3D. Generates
        a clockwise circular polygon with the specified number
        of vertices. Used, for example, to cap a cylinder or to
        generate surface detail. Version 1.0, includes source.
        Author: Thad Floryan

IconAssembler   This program loads existing WorkBench icon files and
        allows you to change either the primary or alternate
        images to another image loaded from an IFF-brush file.
        Binary only.
        Author: Stefan Lindahl

MicroSPELL MicroSPELL is a standalone spelling checker which scans
        text files and reports on misspelled words. It has a 1000
        word "common word" list, a 43,000 word main dictionary, and
        supports multiple user dictionaries. Also interfaces quite
        nicely with MicroEMACS 3.9, with an emacs macro to step
        through the source file, stopping at each suspect word and
        allowing the user to dispose of it in different ways.
        Version 1.0, includes source.
        Author: Daniel Lawrence

Midi   A midi library and utilities set. This looks like a
        very complete package, though I have no way of testing
        anything since I have no midi hardware. The midi utilities
        include a midi monitor to display incoming midi messages
        to the console, a routing utility, a midi library status
        utility, and more. Also includes source.
        Author: Bill Barton

PsIntrp   A postscript interpreter that reads postscript files and
        previews them on an Amiga screen. Interactive input and

output takes place in a small window. The page to be
show is composed behind the window in an interlaced screen
with 16 colors. Can also take input from a file. Includes
source in assembler.
Author: Greg Lee

StartUps   Three replacements for the standard C startup files,
Astartup.obj and LStartup.obj. The options include
(1) BothStartup.obj, for WorkBench programs or CLI
programs with or without command line parameters,
(2) WBStartup.obj, for WorkBench programs or CLI
programs that require no command line parameters, and
(3) CLIStartup.obj, for CLI programs that require command
line parameters but do not need to be able to be runnable
from WorkBench. Includes source.
Author: Bryce Nesbitt

========================= Contents of Disk 102 =========================

This is disk 102 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Dbug   Machine independent macro based C debugging package.
Provides function trace, selective printing of internal
state information, and more. This is an update to the
version released on disk 41, and now includes a machine
independent profiling mechanism. Includes source.
Author: Fred Fish; profiling support by Binayak Banerjee

Match_stuff Heavy duty text pattern matching stuff. The pattern
syntax is an extension of standard AmigaDOS filename
matching. Also includes some simply matched text
replacement capability. Includes source.
Author: Pete Goodeve

Sectorama   A program designed to help Amiga users recover lost or
damaged data from floppy or hard drives, or to repair
a damaged volume. The author wrote this out of
frustration with existing tools when he had multiple
hard disk drive failures over the course of several
months. Binary only.
Author: David Joiner

SiliCon   A smart input line interpreter that provides a separate
command window with full editing and recall of previous
commands. Actual name is "Sili(Con:)". This is an
update to the version first released on disk number 50.
Binary only.
Author: Pete Goodeve

Xicon   Xicon lets you use icons to call up scripts containing CLI
commands. This is version 2.00, an update to the version
first released on disk 31, and includes close gadgets, window
size specification, text display capability, plus more.
Binary only.
Author: Pete Goodeve

========================= Contents of Disk 103 =========================

This is disk 103 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AvlTrees   Library and test program that implement routines for
        creating and using balanced binary trees (AVL trees)
        held entirely in memory. Includes source.
        Author: Paul Vixie

Calc   A programmable calculator program with similarities to a
        hand-held RPN calculator. Can run either interactively
        or in "script" mode by reading programs from a file.
        Version 1.0, shareware, binary only.
        Author: Bob Brooks

Cref   A C cross referencer program. Includes source.
        Author: Mike Edmonds; Amiga port by Joel Swank

DosKwik   A pair of programs which allow you to save files, or
        a group of files, to one or more floppies for quick
        loading (loading up a ram disk for example). Does not
        store files in DOS format, which is why it is faster.
        Binary only, shareware.
        Author: Gary Kemper

IntuiDOS   IntuiDOS is a program to give improved control over,
        and handling of, the material on all diskettes in the
        'CLI-area' by employing a multi-disk, scrollable
        directory and using Intuition techniques to issue
        DOS commands. Written in assembler. Binary only.
        Author: Lennart Sandin

MFF-Update A text import utility for MicroFiche Filer (demo version
        released on disk 89) and updates to some PD disk library
        databases. Binary only.
        Author: Gary Samad

Pack-It   Pack-it will take all the files and directories on a disk
        and pack them into a single file for electronic transmission
        via modem. Binary only, shareware.
        Author: Gary Kemper

Sol   Amiga version of solitaire game posted to usenet some
        time ago and modified to use Amiga console control codes
        in place of curses calls. Includes source.
        Author: David Goodenough; Amiga port by Joel Swank

========================= Contents of Disk 104 =========================

This is disk 104 of the freely distributable AMIGA software library.
            Un-Pack this Disk
This disk contains a copy of Glenn Everhart's large and powerful
spreadsheet program called AnalytiCalc, submitted to me directly by
Glenn for inclusion in the library. The remainder of this file

is Glenn's "Abstract.txt" file that describes AnalytiCalc.
Source and documentation is included on the disk in arc'd form because
it otherwise would not all fit on the disk.

====================

     AnalytiCalc Abstract:

     AnalytiCalc is a large and powerful spreadsheet program with
sufficient extra features to have some pretentions of acting as an
"integrated system". It is a virtual memory system supporting up to
18000 columns and 18000 rows, multiple equations per cell, an outlining
system, built-in cell annotation, and datafile access from any cell(s)
of the sheet, plus an array of functions not present in most commercial
spreadsheets. This disk represents the initial Amiga port of AnalytiCalc,
and as such the console interface is somewhat crude and in addition requires
use of a custom keymap (one such is supplied) for sensible operation. This
will be improved upon, but meanwhile the program is released with complete
sources, documents, and executables. The graphics program and the DIF
file access program are not yet ported; these will be released when
they are ready. AnalytiCalc for the Amiga uses files compatible with those
for AnalytiCalc on MS-DOS, VMS, or RSX-11M or IAS. An example project
planner spreadsheet is included in the distribution to show off some of
the things you can do. More example sheets will be forthcoming in the
future. AnalytiCalc also supports matrix math, FFTs, infinite windowing,
linear regression, date arithmetic, internal and external macros, LOTS
of cell addressing modes, goal seeking in up to 8 dimensions, and more.

     AnalytiCalc requires perhaps 600K of RAM memory, at least one
360K diskette drive, and AmigaDOS 1.2, plus a larger than default stack.
Display sizes supported can be up to 132 characters wide by up to 76
lines long. Sorry; I don't think AnalytiCalc supports proportional
fonts very well, though it should manage not to be totally brain damaged
with them. The manual requires an 80 column printer.
     To see the documentation you need either a printer 80 columns wide
to print it, or an 80 column screen to view it on.

          SOME DO-NOT'S

          1. DO NOT use AnalytiCalc until you have read the documentation.

          2. DO NOT forget to make regular backup copies of your database.

          3. DO NOT exit (X) the progam without saving your work if you
          want it saved. (You will be asked to confirm you really want
          to leave, however.)

          GETTING STARTED.

          If you haven't already printed the documentation, please do so
          before trying to operate AnalytiCalc. Then, READ IT! You should
          also make sure that you have placed a "write-protect" tab on your
          AnalytiCalc distribution diskettes, so that they can't be
          accidentally erased or overwritten.

          You should now make a copy of your AnalytiCalc disks. These will
          also serve as your "run-time" system diskettes.

De-archive AnalyExe.Arc and AnalyDoc.Arc at least onto a blank
disk and read the document files and release notes. You'll need
a bit of AmigaDos familiarity to set things up (read how to use
the ASSIGN command and the SETMAP command and ASSIGN something as
DK:; also set your stack large with the STACK command.) If you
are using disk file memory, FACC is a good thing to use also. PLEASE
READ THE MANUALS though, to save us all a lot of headaches.

    SOME MAXIMUMS AND MINIMUMS.
        Minimum RAM Memory required ....about 600K
        Minimum Disk Drives required...............................1
        Minimum Disk Storage required..........................880K
     Number of Columns.....................................18000
     Number of Rows..18000
     Maximum Length of Formulas (characters).................109
     Number of cells that can be full at once..............18000
     Number of simultaneous named areas permitted............300
     Number of scratch cells outside spreadsheet..............60
     Precision of calculations (digits; 8 bytes used).........16
     Total maximum storage managed (bytes).............2,113,020
     Maximum depth of document nesting (outline processor)......4
     Maximum number of parameters varying to goal seek..........8
     Maximum record size for data files accessed as database..128
     Maximum number of files namable in one sheet.........>18000
     Maximum cell columns displayable on one screen............20
     Maximum number of rows displayable in one display........75
     Maximum simultaneous different cell display formats per
     sheet (taken from large set)...........................76
     Length of format specification (characters)................9

    DISCLAIMER.

    In no event will the Author be liable to you for any damages,
    including any lost profits, lost savings or other incidental or
    consequential dmages arising out of the use of or inability to use
    these programs, even if the Author has been advised of the
    possibility of such damages, or for any claim by any other party.

    THE USER-SUPPORTED CONCEPT.

                    User-Supported Software
        You are encouraged to copy and share this program with others.
         If after evaluating this program you find it to be useful,
                  I trust you to send a $10.00 payment.

            Glenn C. Everhart
                    25 Sleigh Ride Rd.
            Glen Mills, Pa. 19342

To Be Done:
Future plans for AnalytiCalc:
    1. Add TAN, ASIN, ACOS, and 2-argument ATAN (one argument ATAN
    is present now). (Done in VAX version; trivial mod.)
    2. Interface to raw: device instead of con: device and add more

flexible parsing of keystrokes so custom keymaps can be junked.
3. Allow data files to be on a logical device. (Actually, FACC
may make this need obsolete).
4. Minor cleanups to XQTCMD and a couple other places to clean
up and more thoroughly bullet proof the code.
5. Fix bugs as they are discovered.
6. Allow use on non-interlaced screens by redoing the two command
and display windows as pseudo-requestors.

Auxiliary files:
1. Port DIFDB (DIF to database or AnalytiCalc saved format and
back converter) to Amiga.
2. Port PCGRAF to Amiga.
3. Port some of the BASIC graphics packages to Amiga. Possibly
compile some of them.
4. Supply the Business Expense Report, manpower planner, and
income tax templates as extra examples. Possibly do a game of
LIFE template too, just for fun.

Other programs:
Port the RIM relational DBMS to Amiga as a companion piece. (This
has already been done porting from CDC to VAX to MSDOS (the last
by me), and should be straightforward).

I have found that Absoft Fortran 2.3 is a stable and usable compiler and
would like to acknowledge gratefully its contribution. He who wants to
add to or modify AnalytiCalc needs Absoft Fortran 2.3 (or later, I suppose)
to build it with. Anyone who has Absoft Fortran-020 for the 68020 is
invited to recompile this program to use the faster chips. I didn't have
either money or machine to try a 68020/68881 version, but see no reason
why it would fail.

    Glenn Everhart
    5 October 1987

========================= Contents of Disk 105 =========================

This is disk 105 of the freely distributable AMIGA software library.
             Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AsmProgs   Some misc assembly tools, programs, etc. "AsmFilter"
        (actually in AmigaBASIC) turns the output of the Metacomco
        disassembler into a file that can be re-assembled.
        "AddKickMem" adds the KickStart memory to your free memory
        on an Amiga 1000 with Kickstart in ROM. "Clear" fills
        unused areas of memory with a specific byte pattern.
        "L" is a replacement for the BCPL "list" program, but
        with some graphics enhancements. "SharpFont" is an
        8 pixel non-proportional font. "Stack" is a replacement
        for the BCPL stack program. Includes some source.
        Author: Glen McDiarmid and Kirk Davies

BasicProgs Some more AmigaBASIC programs. LeastSquare solves
        least squares problems and graphs the results. Curves
        is a demo of one use for LeastSquare (find curves to
        fit a set of points). Freud is a Freudian analysis

```
            program.  Includes source, needs AmigaBASIC from Extras.
            Author:  George Trepal


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 an update
            to the version on disk 51, with some more bug fixes
            provided by Fred Walter.  Includes source.
            Author: Bob Corbett and Richard Stallman.  Bug fixes
               by Johan Widen, Doug Leavitt, & Fred Walter


DrunkenMouse    Another cute program in the tradition of "display hacks".
            Includes source.
            Author:  Alex Livshits


FlamKey     Installs a little key on the WorkBench screen title
            bar, and then waits in background until somebody clicks
            on the key.  When activated, allows the keyboard and mouse
            inputs to be locked out until a password is entered.
            Shareware, binary only.
            Author:  Alex Livshits


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 2.0, shareware, binary only.  This is an update
            to the version on disk number 84.
            Author:  Ed Bartz


IPo2C       A utility to write a C-language definition of the current
            intuition pointer to a file, which can then be used
            in a program via SetPointer to mimic the intuition pointer.
            Includes source.
            Author:  Alex Livshits


Pere-et-Fils    Example of creating and using reentrant processes.
            Includes source.
            Author: Jean-Michel Forgeas


Record-Replay   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 to cause the same sequence of events to
            occur again.  Very useful for creating demonstrations
            of programs or documenting repeatable bugs.  This is
            version 2.0, an update to the version on disk 95.
            Shareware, binary only.
            Author:  Alex Livshits and J-M. Forgeas


========================= Contents of Disk 106  =========================


This is disk 106 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.
```

FuncKey   A shareware function key editor, submitted by the author
            for inclusion in the library. This is version 1.1, an
            update to the version on disk 89. Binary only (source
            available from author).
            Author: Anson Mah

MoreArt   A small selection of some additional Amiga artwork
            submitted to me since the last "art" disk.
            Authors: Dana Dominiak and Larry Zasitko

QuickFlix   An IFF slideshow and cel animation program that takes
            full advantage of the Amiga's multitasking operating
            system, supports all the graphics modes, can run with
            internal timing or be triggered by an external source,
            caches images in memory to achieve rapid frame rate,
            etc. Version 0.13, binary only, shareware.
            Author: Jeff Kunzelman, Rodney Iwashina, Takeshi Suganuma

RistiNolla A Finnish game. The name means something like CrossZero,
            and is also called Go-Moku. Version 1.0, shareware, binary
            only.
            Author: Mika Pihlajamaki

========================= Contents of Disk 107 =========================

This is disk 107 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Csh   Version 2.07 of Matt Dillon's csh like shell, modified
            for Manx C. Includes source.
            Author: Matt Dillon, Manx'ified by Steve Drew

Diff   A file comparison utility, similar to other common
            "diff" programs. Includes source.
            Author: D. Krantz; Amiga port by Jeff Bailey

ProSuite   This is the Amiga Programmers Suite Book 1.01. The
            suite provides example code of facilities that every
            programmer needs (such as FileIO Requester), provides
            examples of new facilities (such as XText and DoRequest),
            and provides a tutorial on how to program the Amiga.
            Includes source.
            Author: R.J. Mical

SVTools   Some additional useful tools from Stephen Vermeulen.
            Includes a new version of Vnews, sit, setstack, retool,
            memlist, fragit, and yoyo. Includes source.
            Author: Stephen Vermeulen

========================= Contents of Disk 108 =========================

This is disk 108 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AList   A directory listing program based on Dave Haynie's LD4
           program, with extensions and enhancements. Includes source.
           Author: Ed Kivi (original by Dave Haynie)

DirMaster A very nicely done shareware disk cataloger, submitted
           by the author for inclusion in the library. This is version
           1.0b, an update to the version released on disk 89. Binary
           only.
           Author: Greg Peters

Dots-Perfect   Printer driver for an Epson MX80 printer with the
           Dots-Perfect upgrade kit installed. Includes source.
           Author: Robbie Akins

MonIDCMP   MonIDCMP lets you monitor the IntuiMessages that pass through
           an IDCMP window. It prints the message class, mouse
           coordinates, qualifier values, and other useful information
           when appropriate. Great for debugging applications and
           for snooping around in the inner workings of other programs.
           Includes source.
           Author: Davide Cervone

PrintPop   A utility to enable the user to send some common control
           settings to the PRT: printer device. When installed, a
           left-amiga F1 sequence will pop up a small window with
           various options. Includes source.
           Author: Robbie Akins

Sectorama A program designed to help Amiga users recover lost or
           damaged data from floppy or hard drives, or to repair
           a damaged volume. The author wrote this out of
           frustration with existing tools when he had multiple
           hard disk drive failures over the course of several
           months. This is version 1.1, an update to the version
           on disk 102. Binary only.
           Author: David Joiner

Tek   An enhanced version of Dave Wecker's vt100 (v2.6) which
           includes emulation for a Tektronix 4010/4014 graphics
           terminal. This is a much improved version of the Tek4010
           program from disk number 52. Includes source.
           Author: Enhancements by Nick Giordano and Terry Whelan

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). This is version
           1.42B, an update to the version released on disk 87.
           Binary only.
           Author: Rahul Dhesi, Amiga port by Brian Waters

========================= Contents of Disk 109 =========================

This is disk 109 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

```
Machine     A neat new animation from Allen Hastings.
        Author:  Allen Hastings


SimCPM      A CP/M simulator for the Amiga.  Simulates an 8080
        along with H19 terminal emulation.  Includes source.
        Author:  Jim Cathey; Amiga port by Charlie Gibbs


UUpc        Version 1.0 of a suite of programs that will allow you
        hook up your Amiga as a usenet node.  Includes source.
        Author:  Richard Lamb, Stuart Lynne, Jeff Lydiatt
========================== Contents of Disk 110  ==========================

This is disk 110 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.


A68k        A 68000 assembler originally written in Modula-2 in
        1985 and converted to C by Charlie Gibb in 1987.  Has
        been converted to accept metacomco-compatible assembler
        source code and to generate Amiga objects.  Includes source.
        Author:  Brian Anderson; C translation and Amiga work
            done by Charlie Gibb


Pdc     An optimizing C compiler for the 68000 processor.  This
        is an update to the version first released on disk 53,
        though apparently not based on the code from that disk.
        Major porting work was done by Jeff Lydiatt to get it to
        the point where it would compile and execute simple programs
        on the Amiga.  This version now generates metacomco-
        compatible assembler source code, which can be assembled by
        the assembler also provided on this disk and then linked by
        the freely redistributable linker "blink" (also provided).
        Includes all compiler source and some library and startup
        source code.  Requires amiga.lib from developers kit to
        generate complete running example executables.
        Author:  Matthew Brandt; major porting work by Jeff Lydiatt



========================== Contents of Disk 111  ==========================

This is disk 111 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.


AmyLoad     A graphical monitor of cpu, blitter, and memory use.
        Includes two components; load.device, which monitors
        system parameters, and amyload, which is the user
        interface and display program.  Includes source.
        Author:  Jeff Kelley

AssignDev   Assigns multiple names to a given device.  For example,
        allows the names "df0:" and "df3:" to refer to the
```

same physical device. This is a modified version of
the original released on disk number 79. Includes source.
Author: Phillip Lindsay, mods by Olaf Seibert

Gauge   Continuously displays memory usage in a vertical bar
graph, similar to the workbench "fuel gauge" type
display for disk space. Binary only.
Author: Peter da Silva

HeliosMouse Another "sunmouse" type program. Automatically activates
a window simply by moving the mouse pointer into the window.
Version 1.1, an update to the version released on disk 94.
Includes source.
Author: Davide Cervone

Labels   Alphabetic and numeric ordered cross reference lists
of defined system constants. Recommended for debugging
purposes only, use the symbolic values in programs!
Author: Olaf Seibert

Mandel   Another mandelbrot generator program, with bits and pieces
of code from C. Heath and R.J. Mical. Includes source.
Author: Olaf Seibert

PopLife   A PopCLI type thingie that instead plays life all over your
screen. Lots of bits and pieces from Tomas Rokicki's blitlab
and John Toebes' PopCLI. Includes source.
Author: Olaf Seibert

========================= Contents of Disk 112 =========================

This is disk 112 of the freely distributable AMIGA software library.
Un-Pack this Disk
Below is a listing of the significant directories and their contents.

BeachBirds Jerrold Tunnell's entry to the Badge Killer Demo
Contest. Uses sprites and sound to portray a beach
scene. Runs on a 512K machine. Binary only.
Author: Jerrold Tunnell

Bully   Mike Meyer's entry for the Badge Killer Demo Contest.
Pushes all open screens around (thus the name "bully").
Designed for showing off more than one demo at a time
Includes source.
Author: Mike Meyer

DropShadow Dropshadow version 2, rev 0, for use with Bryce
Nesbitt's Wavebench demo. Binary only.
Author: Jim Mackraz

HagenDemos Joel Hagen's Badge Killer Demo contest entries, "RGB"
and "Focus". RGB was the overall winner of the contest.
It requires a one meg Amiga to run. Binary only.
Author: Joel Hagen

Viacom   Latest version of viacom for use in conjuction with

            the WaveBench demo. Binary only.
            Author: Leo Schwab and Bryce Nesbitt

WaveBench   This is Bryce Nesbitt's Badge Killer Demo Contest entry.
            It is a neat screen hack, and runs on 512K machines.
            For more laughs, try in conjunction with Viacom or
            Ds (Dropshadow). Includes source.
            Author: Bryce Nesbitt

========================= Contents of Disk 113 =========================

This is disk 113 of the freely distributable AMIGA software library.
              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AmiCron   A simple Unix "cron" type program, which is a background
            task that uses a disk-resident table to automatically
            run certain tasks on a regular basis, at specific times.
            Version 2.3, includes source.
            Author: Steve Sampson, Amiga port by Rick Schaeffer

Dme   Version 1.28f 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 93, includes source.
            Author: Matt Dillon

DosDev   Example DOS device driver in Manx C. Version 1.10,
            includes source.
            Author: Matt Dillon

M2Amiga   Demo version of the final product M2Amiga. A fast single
            pass Modula-2 compiler with editor, linker, a small set of
            interface and standard libraries. Compiles only small demo
            programs by limiting codesize and imports. Further
            development of the ETHZ compiler on Disk 24. Binary only.
            Demos with source.
            Authors: R. Degen, C. Nieder, M. Schaub, J. Straube (AMSoft)

NoIconPos   This program clears the position info of any of your icons
            to allow WorkBench to pick a reasonable place for the icon
            again. Useful for disk and drawer icons where Snapshot
            rewrites the icon and the window information. Written in
            Modula-2, another demo for M2Amiga, showing the simplicity
            of programming with this Modula-2 compiler.
            Author: Markus. Schaub

========================= Contents of Disk 114 =========================

This is disk 114 of the freely distributable AMIGA software library.
              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

CDecl   English to C (and vice versa) translator for C
            declarations. This little gem will translate english

         such as "declare foo as pointer to function returning
         pointer to array 10 of pointer to long" into
         "long *(*(*foo)())[10]", and vice versa. An absolute
         must for anyone except possibly the most hardcore C guru.
         Includes source.
         Author: Graham Ross

Vt100   Version 2.7 of Dave's vt100 terminal emulator with
         kermit and xmodem file transfer. Includes a few bug
         fixes posted to Usenet shortly after the posting of
         version 2.7. This is an update to the version released
         on disk 55. Includes source.
         Author: Dave Wecker

WBLander   This entry from the Badge Killer Demo Contest is
         a special version of the WBLander program from
         disk 100. The ending is unique. Also uses sound
         effectively. Includes source.
         Authors: Peter da Silva and Karl Lehenbauer

========================= Contents of Disk 115 =========================

This is disk 115 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Killer   Killer is an incredible demo written by Robert Wilt.
         It won fourth place in the Badge Killer Demo Contest.
         Requires at least one meg of memory to run. Sound is
         also an important part of the demo so be sure to turn
         it up. Binary only.
         Author: Robert Wilt

Marketroid Marketroid is Leo's entry for the Badge Killer Demo
         Contest. It is another devious sprite oriented demo
         with lots of "in" jokes. Runs on a 512K machine.
         Includes source.
         Author: Leo Schwab

========================= Contents of Disk 116 =========================

This is disk 116 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Movies   A ram animation system with three different example
         animations; Kahnankas, Rocker, and F-15. Kahnankas won
         a close second in the Badge Killer Demo Contest. Both
         Kahnankas and Rocker run on a 512K Amiga and show off
         overscan HAM mode. Includes a animation player program
         (movie), animation builder programs (dilbm, pilbm), and
         a text/graphics display program (vilbm).
         Authors: Eric Graham, Ken Offer,

========================= Contents of Disk 117 =========================

This is disk 117 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AMUC_Demo   A really neat horizontal scrolling demo that is a
        2400 x 200 pixel 32 color IFF picture composed of
        digiview snapshots of members of the AMiga Users
        of Calgary, superimposed on a very wide picture of the
        Calgary Skyline. Binary only.
        Author: Stephen Vermeulen and Stephen Jeans

ExP_Demo   Demo version of Express Paint 1.1. This is the program
        that was used to create the huge scrolling demo picture
        in the AMUC_Demo drawer on this same disk. Binary only.
        Author: Stephen Vermeulen

========================= Contents of Disk 118 =========================

This is disk 118 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Empire   This is a complete rewrite, from the ground up, in
        Draco, of Peter Langston's Empire game. Empire is
        a multiplayer game of exploration, economics, war,
        etc, which can last a couple of months. Can be
        played either on the local keyboard or remotely
        through a modem. This is version 1.0, shareware,
        and includes source code.
        Author: Chris Gray, original game by Peter Langston

HAMmmm   This is Phil's entry for the Badge Killer Demo Contest.
        HAMmmm displays lines whose end points are bouncing around
        the screen, which is a double buffered HAM screen.
        The Y positions of the points are continuously copied
        into an audio waveform that is played on all four
        channels, and the pitch of a just intoned chord is
        derived from the average X position of these points.
        Includes source in JForth.
        Author: Phil Burk

Stars   Hobie's entry for the Badge Killer Demo Contest.
        Based on original code by Leo Schwab, has credits
        longer than the actual demo. Runs on 512K Amiga.
        Binary only.
        Author: Hobie Orris

WireDemo   Matt's entry for the Badge Killer Demo Contest.
        Demonstrates the Amiga's line drawing speed.
        Runs on a 512K Amiga. Includes source.
        Author: Matt Dillon

========================= Contents of Disk 119 =========================

This is disk 119 of the freely distributable AMIGA software library.

```
                    Un-Pack this Disk
Below is a listing of the significant directories and their contents.

MicroEMACS  Version 3.9e of Daniel Lawrence's variant of Dave
        Conroy's microemacs.  This is an update to the version
        released on disk 93.  Also included, for the first time,
        is extensive documentation in machine readable form.
        Includes source.
        Author:  Dave Conroy, MANY enhancements by Daniel Lawrence
========================== Contents of Disk 120  ==========================

This is disk 120 of the freely distributable AMIGA software library.
               Un-Pack this Disk
Below is a listing of the significant directories and their contents.


Amoeba      This clone of Space Invaders is one of the best freely
        redistributable games for the Amiga to date.  Unlike
        many commercial games, it even works correctly in a
        multitasking environment (by not requiring you to
        reboot just to play a game).  Highly recommended!
        Binary only.
        Author:  LateNight Developments

BackGammon  A graphical Backgammon game done as an undergraduate
        A.I. course project.  Version 1.0, includes source.
        Author:  Robert Pfister

Bankn       A complete checkbook system offered by the author as
        shareware.  Version 1.3, binary only.
        Author:  Hal Carter

EgyptianRun Cute little "road race + hazards" type game.  Version
        1.1, binary only, shareware, source available from author.
        Author:  Chris Hames

IconImage   Program to replace an old icon image with a new image,
        without affecting icontype, drawer data, etc.
        Includes source.
        Author:  Denis Green

========================== Contents of Disk 121  ==========================

This is disk 121 of the freely distributable AMIGA software library.
               Un-Pack this Disk
Below is a listing of the significant directories and their contents.


BasicStrip  An AmigaBASIC program that helps to convert programs
        written in other forms of Basic to AmigaBASIC.
        Author:  George Trepal

DataPlot    A shareware plotting program written in AmigaBASIC.
        Also includes a least squares curve fit program.
        Author:  Dale Holt

Plot        A shareware 3-D graphing program written in AmigaBASIC,
```

                with some sample output plots. Source available from
                author.
                Author: George Trepal

    Stairs   This AmigaBASIC program demonstrates a musical
                illusion based upon perceptual circularity of widely
                spaced tones whose volumes are defined as a
                sinusoidal relationship to their frequency.
                Author: Gary Cuba

    Uedit   Version 2.3 of this nice shareware editor. Has learn
                mode, a command language, menu customization, and other
                user configurability and customizability features.
                Binary only, shareware, update to version on disk 60.
                Author: Rick Stiles

    WBColors   A simple little program to change the Workbench colors
                to a predetermined color set, for programs that expect
                to be booted off their distribution disk but instead
                are run from a hard disk. Includes source.
                Author: Stefan Lindahl

    ========================= Contents of Disk 122 =========================

    This is disk 122 of the freely distributable AMIGA software library.
                   Un-Pack this Disk
    Below is a listing of the significant directories and their contents.

    Asteriods   Nicely done "blast the asteriods" type game. Unique
                feature is that all the images and sounds are replaceable
                by the end user. So instead of ships and rocks, you can
                have an Amiga against a horde of IBMPC's if you wish.
                Author: Rico Mariani

    Iff2Pcs   An interactive puzzle program that takes any IFF file
                containing up to 16 colors, and breaks it up into squares
                to make a puzzle which the user can then piece back
                together again. Version 1.0, includes source.
                Author: Ali Ozer

    Names   A shareware program to create and manage mailing lists.
                Binary only.
                Author: Ernie Nelson

    Pr   A little utility to print listings in different formats.
                Similar to the Unix "pr" program. Includes source.
                Author: Samuel Paolucci

    PushOver   A neat little board strategy game, in AmigaBASIC. Push
                your pieces onto the board until you get five in a row
                in any direction. Includes source.
                Author: Russ Yost

    PuzzlePro   Create a puzzle from an IFF picture, which the user can
                then piece back together again. Written in AmigaBASIC.
                Version 1.0, binary only, shareware, source available

```
        from author.
        Author:  Syd Bolton
```

========================= Contents of Disk 123 =========================

This is disk 123 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.


```
Arp     ARP stands for "AmigaDOS Replacement Project".  Arp
        is an effort led by Charlie Heath of Microsmiths Inc.,
        to replace the current DOS in a compatible fashion, so
        that current programs will continue to work.  Arp also
        makes whatever improvements are possible, so that current
        and future programs will work better.
        Author:  Various authors contributed work

Car     This animation is one of Allen's entries to the Badge
        Killer Demo Contest.  It apparently is an inside joke
        relating to a well known Amigan's experience with
        a certain highend graphics hardware manufacturer.
        Author:  Allen Hastings
```

========================= Contents of Disk 124 =========================

This is disk 124 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.


```
Icons       Some sample animated icons.  You might find just the
        icon for that refugee CLI program you've been meaning
        to make runable from the WorkBench environment.
        Author:  L. Pfost

Tarot       An AmigaBASIC program written by the author as an exercise
        for learning BASIC.  Contains some nice graphic renditions
        of tarot cards.
        Author:  L.Pfost
```

========================= Contents of Disk 125 =========================

This is disk 125 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.


```
ElGato      This animation is Kevin's entry to the Badge Killer
        Demo Contest.  It also has a background music
        arrangement, that requires Sonix to use.
        Author:  Kevin Sullivan
```

========================= Contents of Disk 126 =========================

This is disk 126 of the freely distributable AMIGA software library.
            Un-Pack this Disk

Below is a listing of the significant directories and their contents.

Colour   A program to manipulate the colors of specific named
            screens, saving their current color sets to data files,
            loading new color sets from data files, or interactively
            changing the colors. Includes source.
            Author: John Russell

Dance   These two programs, "dancing polygons", are John's
            entry to the Badge Killer Demo Contest. They are
            variations of one another, but demonstrate the range
            of colors available on the Amiga. Includes source.
            Author: John Olsen

HBHill   This animation is one of Kevin's entries to the Badge
            Killer Demo Contest. It is the first known animation
            that makes use of the Amiga's "Extra Half Brite" mode.
            Author: Kevin Sullivan

Iconify   A subroutine that creates an icon on the Amiga screen
            that can be subsequently dragged around, and double-
            clicked on. You can use this to have your programs
            "iconify" themselves to temporarily get out of the user's
            way. Includes source and demo program.
            Author: Leo Schwab

OnlyAmiga   This animation is Iqbal's entry to the Badge Killer
            Demo Contest. It consists of tree balls being
            juggled by pyramids rotating on their tops.
            Author: Iqbal Singh Hans

Suplib   The support library needed to rebuild various programs
            of Matt's from the source, including DME, DTERM, etc.
            Includes source.
            Author: Matt Dillon

VCheck   Version 1.2 of the virus detection program from
            Commodore Amiga Technical Support. This version
            will test for the presence of a virus in memory,
            or on specific disks. Binary only.
            Author: Bill Koester.

========================= Contents of Disk 127 =========================

This is disk 127 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Bounce   This program is Steve and Tom's entry for the Badge
            Killer Demo Contest. It creates little dots that
            bounce around and multiply. Includes source.
            Author: Steve Hansel and Tom Hansel

Nemesis   This demo is Mark's entry to the Badge Killer Demo
            Contest. It is quite small for what it does, and

won fifth place in the contest. Binary only.
        Author: Mark Riley

Ripples   This animation is one of Allen Hastings' entries to
        the Badge Killer Demo Contest. Unlike most other
        animations, it shows a fixed object from a moving
        point of view, rather than a moving object from a
        fixed point of view.
        Author: Allen Hastings

========================= Contents of Disk 128 =========================

This is disk 128 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Dis   A 68000 disassembler, written in 68000 assembler.
        Includes source.
        Author: Greg Lee

DropCloth   DropCloth lets you place a pattern, a 2 bitplane IFF
        image or a combination of a pattern and image, into
        the WorkBench backdrop. Version 2.2, shareware,
        binary only.
        Author: Eric Lavitsky

LedClock   An extremely simple clock program, for interlaced
        screens only. Includes source.
        Author: Ali Ozer

MRBackUp   A hard disk backup utility, that does a file by file
        copy to standard AmigaDOS floppy disks. Includes an
        intuition interface and file compression. Version 1.3,
        includes source.
        Author: Mark Rinfret

Paint   A simple screen painting program, written in web.
        Requires web preprocessing program to rebuild from
        source. Includes source in web.
        Author: Greg Lee

PrtDriver   A printer driver for the Toshiba "3 in one" printer in
        its Qume (best) mode. Includes source in C and
        assembler.
        Author: Rico Mariani

SDBackUp   A hard disk backup utility. CLI interface only.
        Does file compression. Version 1.1, binary only.
        Author: Steve Drew

Sed   A clone of the Unix sed (Stream EDitor) program.
        Includes source.
        Author: Eric Raymond

wKeys   A "hot-keys" program that binds keyboard function
        keys to window manipulation functions (window activation,

        front to back, moving screens, etc). Includes source.
        Author: Davide Cervone

========================= Contents of Disk 129 =========================

This is disk 129 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

DosKwik   A pair of programs which allow you to save files, or
        a group of files, to one or more floppies for quick
        loading (loading up a ram disk for example). Does not
        store files in DOS format, which is why it is faster.
        Version 2.0, update to version on disk 103. Binary
        only, shareware.
        Author: Gary Kemper

MRBackUp   A hard disk backup utility, that does a file by file
        copy to standard AmigaDOS floppy disks. Includes an
        intuition interface and file compression. Versions
        2.0 (with sources) and 2.1 (binary only, source available
        from author). This is an update to version on disk 128.
        Author: Mark Rinfret

PaintJet   An "official" Hewlett Packard PaintJet printer driver
        received directly from HP sources. Don't settle for
        a bogus one, or pay the $50 some vendors are apparently
        asking for one.
        Author: Unknown

Patch   Two independent ports of the very useful Unix utility
        "patch", which applies context diffs to text files
        to automatically update them. Patch version 1.3 was
        ported to the Amiga by Rick Coupland and patch version
        2.0 was ported by Johan Widen. Includes source.
        Author: Larry Wall
========================= Contents of Disk 130 =========================

This is disk 130 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

DirMaster A very nicely done shareware disk cataloger, submitted
        by the author for inclusion in the library. This is version
        1.1, an update to the version released on disk 108. Lots
        of neat new features and enhancements. Binary only.
        Author: Greg Peters

Evo   A human evolution toy/tutorial. Includes source.
        Author: Steve Bonner

Hp   A nice RPN calculator program that supports calculations
        with binary, octal, decimal, hex, float, and complex
        numbers. Other features include 32 registers for storing
        data and transcendental functions. Version 1.0, includes

```
            source.
            Author:  Steve Bonner

Mach        A "mouse accelerator" program that also includes hotkeys,
            the features of sun mouse, clicktofront, and popcli, a
            title bar clock with a bbs online charge accumulator, and
            more.  Version 1.6a, includes source.
            Author:  Brian Moats

PatEdit     A pattern editor for creating patterns to input to
            the Amiga SetAfPt macro call.  This call sets the
            area fill pattern for the area filling graphics calls
            such as RectFill, AreaDraw, etc.  Includes source.
            Author:  Don Hyde

QMan        Mandelbrot generator written partially in assembly for
            speed.  Includes source.
            Author:  Steve Bonner
```

=========================== Contents of Disk 131 ===========================

```
This is disk 131 of the freely distributable AMIGA software library.
              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Dfc       Copies disks like Maurader, but multitasks.  Replaces both
          diskcopy and format but is smaller than either.  It even has
          a nice little Intuition interface.  Includes source.
          Author:  Tomas Rokicki

HyperBase   Nice little shareware database management system.
          Version 1.6, binary only, source available from authors.
          Update to version on disk number 58.
          Author:  Michael MacKenzie, Marc Mengel, and Craig Norborg

Life      A new version of Tomas's ancient Life game, but with a new
          macro language for setting up patterns, some good examples,
          and some more good stuff.  Includes source.
          Author:  Tomas Rokicki

Mackie    A Popcli replacement that draws pretty lines on the screen
          in blanking mode.  Includes source.
          Author:  Software Distillery; enhancements by Tomas Rokicki

Mg1b      A version of Mg1b with an ARexx port and other improvements
          by Tomas Rokicki.  Finally you can define macros and bind
          them to function keys in your startup file!  Includes
          source.
          Author:  Various; enhancements by Tomas Rokicki

WFrags    Another version of Frags, but this one pops up a nice little
          window that updates occasionally.  Necessary for developers
          who wonder what their program is doing to memory, or wonder
          why they can't load that program.  Includes source.
          Author:  Tomas Rokicki
```

=========================== Contents of Disk 132 ===========================

This is disk 132 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.

        The difference between this distribution, and the one
        on disk 100, is that this one includes "source". I.E.
        it contains all the object descriptions necessary to
        recreate the animation. Thus you can, if you like,
        try modifying various objects to create slightly
        different animations, or use it as an example for
        creating your own animations.

        Seldom does a disk get devoted to a single program,
        however animation is one of the Amiga's greatest
        strengths, and I felt it was appropriate to have at
        least one animation that was available at the
        "source code" level.

        Author: Leo Schwab

========================= Contents of Disk 133 =========================

This is disk 133 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

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 1.1, binary only,
        update to version on disk 100. New features include
        additional editing keys, fast search keys, undo key, clear
        history command, and more.
        Author: William Hawes

Crc   Two programs that are very useful for generating
        16-bit CRC listings of the contents of disks, and
        verifying that a given disk's files still compute
        to the same CRC's as listed. Version 1.0, binary
        only.
        Author: Don Kindred

CrcLists   Complete CRC check files for disks 1-128 of the
        library, using the Crc program also included on
        this disk. These were made directly from my master
        disks.
        Author: Fred Fish

Overscan   Patches the Intuition library so that sizable windows
        with MaxHeight of 200 (400 in interlace) and screens with
        Height of 200 (400 in interlace) will take advantage of
        the PAL overscan capability of Intuition V1.2. This
        seems to be useful only for European users that wish
        to run software written for the American market, without
        modifying the applications, but still using the additional
        space. Includes source.
        Author: Ari Freund

========================== Contents of Disk 134 ==========================

This is disk 134 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

BoingThrows A 50 frame HAM animation done with Sculpt-3D, and
        minor touchups with DigiPaint. The animation took
        about 325 hours of runtime to generate.
        Author: Marvin Landis

Browser   A workbench tool, using text-only windows, that makes
        all files in the system accessible for executing,
        copying, moving, renaming, deleting, etc. Billed
        as a "programmers workbench". Version 1.2, binary
        only.
        Author: Peter da Silva

Dme   Version 1.29 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 113, includes source.
        Author: Matt Dillon

Find   Find is a utility which searches for files that satisfy
        a given boolean expression of attributes, starting from
        a root pathname and searching recursively down through
        the hierarchy of the file system. Very much like the
        Unix find program. Version 1.0, includes source.
        Author: Rodney Lewis

Library   Demo version of a shareware program that stores textual
        information without regard to structure or content, and
        allows complicated searching for specific patterns.
        Written in assembler for speed, binary only.
        Author: Bill Brownson

SmartIcon   This shareware program, submitted by the author,
        is an Intuition objects iconifier. Version 1.0
        is limited to iconifying windows, which is still
        very handy. It adds a new "iconify gadget" to
        each window, that when clicked on, iconifies the
        window into an icon in the ram: disk. Binary only,
        source available from author.

          Author: Gauthier Groult

========================== Contents of Disk 135 ==========================

This is disk 135 of the freely distributable AMIGA software library.
             Un-Pack this Disk
Below is a listing of the significant directories and their contents.

TeXF   A selection of 78 TeX fonts, with a conversion
        program to convert them to Amiga fonts. There
        are 22 different fonts at various sizes, ranging
        from 15 pixels high to more than 150 pixels.
        The conversion program can also be used with
        the fonts distributed with AmigaTeX, yielding
        an additional 1000 or so more fonts for use
        with other Amiga programs. Version 2.5,
        binary only.
        Author: Ali Ozer

========================== Contents of Disk 136 ==========================

This is disk 136 of the freely distributable AMIGA software library.
             Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AsmToolBox An assembler "toolbox" created to make interfacing
        between assembler programs and AmigaDOS easy. Includes
        source.
        Author: Warren Ring

Bison   A replacement for unix "yacc" command. This is from
        the GNU (GNU is Not Unix) effort. It is a port of
        the latest GNU version, done by William Loftus, with
        the goal of preserving all of bison's current features.
        Includes source and testing program "calc".
        Author: Bob Corbett and Richard Stallman.

Iff2Pcs   An interactive puzzle program that takes any IFF file
        containing up to 16 colors, and breaks it up into squares
        to make a puzzle which the user can then piece back
        together again. Version 1.1, an update to the version
        on disk 122, includes source.
        Author: Ali Ozer

Paste   A version of the Unix paste utility. Paste concatenates
        corresponding lines of the specified files into
        a single output line (horizontal or parallel merging)
        or concatenates them into alternate lines (vertical or
        serial merging). Includes source.
        Author: David Ihnat

YaBoingII   A game program demonstrating hardware sprite usage,
        including collision detection. This is an update
        to the version on disk 36. Includes source.
        Author: Ali Ozer, based on original by 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). This is version
          1.71, an update to the version released on disk 108.
          Binary only.
          Author: Rahul Dhesi, Amiga port by Brian Waters

========================= Contents of Disk 137 =========================

This is disk 137 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Ct   An Amiga program to display images from a CT scanner,
          along with several interesting sample images of scans
          of real people, including a skull, brain, heart, and
          spine. Each image is 256 by 256 pixels in 2048 gray
          scale. The display software, though it has a primitive
          user interface, is quite powerful, including functions
          like convolutions, averaging, laplacians, unsharp
          masking, edge detection, gradients, etc. Binary only.
          Author: Jonathan Harman

JeansIcons Miscellaneous cute icons created for AMUC's monthly
          newsletter disk. Submitted by Stephen Vermeulen.
          Author: Steve Jeans

Muncho   A cute little program which plays a digitized sound
          sample when you insert or remove a disk from your
          drive. If you don't like the sounds, you can replace
          them with your own. Binary only.
          Author: Andrew Werth

Sit   An update to the Set Icon Type program from disk 107.
          Version 1.10, includes source.
          Author: Stephen Vermeulen

VGad   A new gadget editor that takes two pictures of the window
          and its gadgets, one being the normal gadget state and
          the other being the fully selected state, and then
          merges the data and converts to C source code. Version
          1.0, binary only.
          Author: Stephen Vermeulen

VirusX   A boot sector virus check program that runs in the
          background and automatically checks all inserted
          disks for a nonstandard boot sector. Such disks can
          optionally have their boot sector rewritten to remove
          the virus. Includes source.
          Author: Steve Tibbett

VLabel   A program to print fancy customized disk labels. It will
          combine an IFF picture and up to 50 lines of text (which
          may be placed arbitrarily in any font or point size) and

then print the result. The IFF picture can be virtually
any size (up to 1008 by 1000). It will also print labels
from a batch file produced by SuperBase. Version 1.20,
binary only.
Author: Stephen Vermeulen

========================= Contents of Disk 138 =========================

This is disk 138 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AmigaLine   A series of various technical notes for Amiga programmers.
        Author: Byrce Nesbitt

Diff   A program that uses the same algorithm as the Unix
        diff program and also produces context diffs, suitable
        for use with patch. Source WAS available but got
        eaten by my Amiga when it crashed, so binary only.
        Author: Unknown (Decus C diff?)

Foreach   A simple but useful program that expands a wild
        card file specification and then invokes the
        specified command once per expanded filename,
        with the expanded filename as the command
        argument. Includes source.
        Author: Jonas Flygare

MacFont   A conversion tool to convert Mac fonts to
        Amiga fonts. Binary only.
        Author: John O'Neill and Rico Mariani

ModulaTools Various useful routines for those programming in Modula
        on the Amiga. Update to version on disk 94, includes
        source.
        Author: Jerry Mack

Vt100   Two new versions of Dave's vt100 terminal emulator.
        One version, based on vt100 2.6, has been enhanced
        by John Barshinger to include an iconify feature,
        add full 132 column support using overscan, and other
        miscellaneous features. This version is available in
        binary only. The second version is release 2.8
        of the mainstream version of vt100, as enhanced and
        supported by Tony Sumrall. This one include source.
        Author: Dave Wecker

========================= Contents of Disk 139 =========================

This is disk 139 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AmiCron   An enhanced and debugged version of AmiCron 2.3
        from disk number 113. Includes source.

           Author: Steve Sampson, Rich Schaeffer, Christian Balzer

ListScanner A nice little utility to display all the Exec lists.
           Somewhat like the Xplor utility from disk 73.
           Includes source in assembler.
           Author: Heiko Rath

ProCalc   A program that simulates an HP-11C programmable calculator.
           Includes both an English version and a German version.
           Shareware, binary only.
           Author: Gotz Muller

RemLib   Removes a specified library (if currently unused)
           or displays some information about all available
           libraries. Includes source in assembler.
           Author: Heiko Rath

TurboBackup A fast mass floppy disk duplicator with enforced verify
           mode to prevent generation of incorrect copies. Version
           1.00, binary only.
           Author: Steffen Stempel and Martin Kopp

WArranger   Sends a window, identified by its name, to the front
           or to the back, without selecting it. Useful in
           conjunction with AmiCron. Works on all screens.
           Includes source in assembler.
           Author: Heiko Rath

WheelChairSim   A wheelchair simulator developed as a project for the
           Technical Resource Centre and the Albert Children's
           Hospital, to allow the matching of a wheelchair joystick
           to a child's handicap and all the child to practice using
           the chair in a safe (simulated) environment. Binary only.
           Author: M. Smith and T. Mathews
========================== Contents of Disk 140 ==========================

This is disk 140 of the freely distributable AMIGA software library.
               Un-Pack this Disk
Below is a listing of the significant directories and their contents.

SBProlog   Volume 1 of the 2 volume Stony Brook Prolog (SBP)
           distribution, version 2.3.2. This volume contains the
           executables and libraries. Volume 2, on disk 141,
           contains the C and Prolog source code.

           From the SB-Prolog System, Version 2.2 User Manual:

           "SB-Prolog is a public-domain Prolog system for Unix(tm)
           based systems originally developed at SUNY, Stony Brook.
           The core of the system is an emulator, written in C for
           portability, of a Prolog virtual machine that is an extension
           of the Warren Abstract Machine. The remainder of the system,
           including the translator from Prolog to the virtual machine
           instructions, is written in Prolog."

           In addition to providing a compiler, SB-Prolog also offers

        advanced features such as dynamic loading, mixing of compiled
        and interpreted code, macros, extension tables, a debugging
        facility offering two levels of tracing, profiling tools, and
        other utilities.

        Authors: Logic Programming Group at SUNY, Stony Brook
             Amiga port by David Roch and Scott Evernden

========================= Contents of Disk 141 =========================

This is disk 141 of the freely distributable AMIGA software library.
             Un-Pack this Disk
Below is a listing of the significant directories and their contents.

SBProlog   Volume 2 of the 2 volume Stony Brook Prolog (SBP)
        distribution, version 2.3.2. This volume contains the
        C and Prolog source code. Volume 1, on disk 140,
        contains the executables and libraries.

        From the SB-Prolog System, Version 2.2 User Manual:

        "SB-Prolog is a public-domain Prolog system for Unix(tm)
        based systems originally developed at SUNY, Stony Brook.
        The core of the system is an emulator, written in C for
        portability, of a Prolog virtual machine that is an extension
        of the Warren Abstract Machine. The remainder of the system,
        including the translator from Prolog to the virtual machine
        instructions, is written in Prolog."

        In addition to providing a compiler, SB-Prolog also offers
        advanced features such as dynamic loading, mixing of compiled
        and interpreted code, macros, extension tables, a debugging
        facility offering two levels of tracing, profiling tools, and
        other utilities.

        Authors: Logic Programming Group at SUNY, Stony Brook
             Amiga port by David Roch and Scott Evernden

SmallC   An Amiga port of the Small-C compiler, written by Ron
        Cain and published in Dr. Dobb's Journal, in about 1980.
        Small-C is a rather small subset of the full 'C' language.
        However, it is capable of compiling itself, and other
        small, useful programs. Requires an assembler and linker
        to complete the package and produce working executables.
        Includes source and binary.
        Author: Ron Cain. Amiga port by Willi Kusche.

========================= Contents of Disk 142 =========================

This is disk 142 of the freely distributable AMIGA software library.
             Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Diff   A program that uses the same algorithm as the Unix

          diff program and also produces context diffs, suitable
          for use with patch. This is the same version that was
          distributed on disk 138, but now includes the missing
          files (including source code).
          Author: Unknown (Decus C diff)

FracGen   A fractal generator program that generates fractal
          pictures from "seeds" that you create. This is
          unlike any of the other "fractal generators" I've
          seen. It can be used to load and display previously
          created fractal pictures, modify existing fractals,
          or create your own fractals. Version 1.1, binary
          only.
          Author: Doug Houck

SciSubr   The Scientific Subroutine Package from DECUS, ported to
          the Amiga to run with Absoft Fortran. This is a valuable
          resource of mathematical and statistical source code
          for those doing Fortran work on the Amiga.
          Author: Unknown; ported to the Amiga by Glenn Everhart

========================= Contents of Disk 143 =========================

This is disk 143 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Rim   RIM-5 (Relational Information Manager) is a full
          relational DBMS that is suitable for VERY large
          databases using B-Tree data storage. It has a
          crude (by today's standards) user interface, but
          since full source code is provided, this can be
          fixed. Versions of RIM run on a wide variety of
          systems, small and large, and produce compatible
          databases. Also includes a built in HELP database
          and a programming language. Full Fortran source
          code and documentation included.
          Author: Various, Amiga port by Glenn Everhart

========================= Contents of Disk 144 =========================

This is disk 144 of the freely distributable AMIGA software library.
            Un-Pack this Disk
This disk contains a copy of Glenn Everhart's large and powerful
spreadsheet program called AnalytiCalc, submitted to me directly by
Glenn for inclusion in the library as an update to the version released
on disk 104. The remainder of this file is Glenn's "Abstract.txt" file
that describes AnalytiCalc. Source and documentation is included on the
disk in arc'd form because it otherwise would not all fit on the disk.

===================

    AnalytiCalc Abstract:

    AnalytiCalc is a large and powerful spreadsheet program with
sufficient extra features to have some pretentions of acting as an

"integrated system". It is a virtual memory system supporting up to
18000 columns and 18000 rows, multiple equations per cell, an outlining
system, built-in cell annotation, and datafile access from any cell(s)
of the sheet, plus an array of functions not present in most commercial
spreadsheets. This disk represents the third version of an initial Amiga
port of AnalytiCalc, and as such the console interface is somewhat crude and
uses a set of command files in an externally assigned area (assigned to DK:)
to handle the function keys. A custom keymap can also be used, which was
supplied in the initial version. The program comes with complete sources,
documents, and executables, and in addition with the source code for the
"auxiliary utilities" which handle DIF format conversion and character
graphics. (The executables are not adequately tested on amiga as yet, though
they work on VAX, PDP11, and IBM PC.)
        AnalytiCalc for the Amiga uses files compatible with those
for AnalytiCalc on MS-DOS, VMS, or RSX-11M or IAS. An example project
planner spreadsheet is included in the distribution to show off some of
the things you can do. More example sheets will be forthcoming in the
future. AnalytiCalc also supports matrix math, FFTs, infinite windowing,
linear regression, date arithmetic, internal and external macros, LOTS
of cell addressing modes, goal seeking in up to 8 dimensions, and more.

    AnalytiCalc requires perhaps 600K of RAM memory, at least one
360K diskette drive, and AmigaDOS 1.2, plus a larger than default stack.
Display sizes supported can be up to 132 characters wide by up to 76
lines long. Sorry; I don't think AnalytiCalc supports proportional
fonts very well, though it should manage not to be totally brain damaged
with them. The manual requires an 80 column printer.
    To see the documentation you need either a printer 80 columns wide
to print it, or an 80 column screen to view it on.

  ** PLEASE read the README.1ST file for brief instructions on setting up
     a working AnalytiCalc disk. Please read the manual at least once over
     lightly too... ***

        SOME DO-NOT'S

        1. DO NOT use AnalytiCalc until you have read the documentation.

        2. DO NOT forget to make regular backup copies of your database.

        3. DO NOT exit (X) the progam without saving your work if you
        want it saved. (You will be asked to confirm you really want
        to leave, however.)

        GETTING STARTED.

    See the README.1ST file!!!

        If you haven't already printed the documentation, please do so
        before trying to operate AnalytiCalc. Then, READ IT! You should
        also make sure that you have placed a "write-protect" tab on your
        AnalytiCalc distribution diskettes, so that they can't be
        accidentally erased or overwritten.

        You should now make a copy of your AnalytiCalc disks. These will
        also serve as your "run-time" system diskettes.

De-archive AnalyExe.Arc and AnalyDoc.Arc at least onto a blank
disk and read the document files and release notes. You'll need
a bit of AmigaDos familiarity to set things up (read how to use
the ASSIGN command and the SETMAP command and ASSIGN something as
DK:; also set your stack large with the STACK command.) If you
are using disk file memory, FACC is a good thing to use also. PLEASE
READ THE MANUALS though, to save us all a lot of headaches.

    SOME MAXIMUMS AND MINIMUMS.
      Minimum RAM Memory required ....about 600K
      Minimum Disk Drives required...............................1
      Minimum Disk Storage required..........................880K
  Number of Columns.....................................18000
  Number of Rows..18000
  Maximum Length of Formulas (characters).................109
  Number of cells that can be full at once..............18000
  Number of simultaneous named areas permitted............300
  Number of scratch cells outside spreadsheet.............60
  Precision of calculations (digits; 8 bytes used)..........16
  Total maximum storage managed (bytes)..............2,113,020
  Maximum depth of document nesting (outline processor)......4
  Maximum number of parameters varying to goal seek..........8
  Maximum record size for data files accessed as database..128
  Maximum number of files namable in one sheet.........>18000
  Maximum cell columns displayable on one screen............20
  Maximum number of rows displayable in one display........75
  Maximum simultaneous different cell display formats per
  sheet (taken from large set)..........................76
  Length of format specification (characters)...............9

DISCLAIMER.

In no event will the Author be liable to you for any damages,
including any lost profits, lost savings or other incidental or
consequential dmages arising out of the use of or inability to use
these programs, even if the Author has been advised of the
possibility of such damages, or for any claim by any other party.

THE USER-SUPPORTED CONCEPT.

             User-Supported Software
   You are encouraged to copy and share this program with others.
    If after evaluating this program you find it to be useful,
         I trust you to send a $10.00 payment.

     Glenn C. Everhart
         25 Sleigh Ride Rd.
     Glen Mills, Pa. 19342

To Be Done:
Future plans for AnalytiCalc:
   1. Allow data files to be on a logical device. (Actually, FACC
  may make this need obsolete).
   2. Fix bugs as they are discovered.

    3. Allow use on non-interlaced screens by redoing the two command
    and display windows as pseudo-requestors.

Auxiliary files:
    1. Check that DIFrw (DIF to or from AnalytiCalc saved format
        converter) and ACGRAF (character graphics utility) work
        as specified.
        Note: Sources to these programs, which compile and link
        cleanly on Amiga, are present here. However they are
        not yet tested, so executables are omitted.
    2. Port some of the BASIC graphics packages to Amiga. Possibly
    compile some of them.
    3. Supply the Business Expense Report, manpower planner, and
    income tax templates as extra examples. Possibly do a game of
    LIFE template too, just for fun.

Other programs:
    Port the RIM relational DBMS to Amiga as a companion piece. (This
    has already been done porting from CDC to VAX to MSDOS (the last
    by me), and should be straightforward).

I have found that Absoft Fortran 2.3 is a stable and usable compiler and
would like to acknowledge gratefully its contribution. He who wants to
add to or modify AnalytiCalc needs Absoft Fortran 2.3 (or later, I suppose)
to build it with. Anyone who has Absoft Fortran-020 for the 68020 is
invited to recompile this program to use the faster chips. I didn't have
either money or machine to try a 68020/68881 version, but see no reason
why it would fail.
    I have also seen that there are some bugs in Absoft Fortran's
handling of con: and raw: windows which I have reported to Absoft. Hopefully
this will permit upgrading of user interface soon, as these problems are
fixed.
    (It seems that you CAN do both read and write to CON: windows in
Absoft Fortran 2.3, but you must issue a REWIND on the unit between them.
This is not always needed in V2.2, but occasionally happens. (This accounts
for the occasionally flaky behavior of DTC, which was compiled with V2.2
before I found the foregoing out.)

    Glenn Everhart
    6 November 1987

    Also present on the disk is DeskTop Calendar (DTC), a useful little
appointment and meeting scheduler and calendar keeper. It will work on either
interlaced screens or non-interlaced.

    AnalytiCalc needs more stack than the 4000 default (I use 65000
but less is probably OK). It also probably needs more than 512K of RAM
for operation as currently linked. The routines in AnalyO.Ftn can be
overlayed against each other, but this has not been done as yet. Those
desperate for a smaller executable, having Absoft's compiler, can rebuild
in this way for a smaller executable.
    Also: AnalytiCalc MUST currently run on an interlaced screen owing
to where some CON: and RAW: windows are opened. Move the windows to fit on a
non-interlaced screen (via patching the image or editing/recompiling)
if you must run it on a noninterlaced screen.
    You must turn interlace on in Preferences and boot with that set up.

The SETLACE program will NOT create things quite right for AnalytiCalc and
you'll generate the weirdest system crashes (all the way back to Kickstart
sometimes) you ever saw if you try... just use Preferences and all will be
well...)
    Glenn Everhart
    November 6, 1987
Enjoy...

========================= Contents of Disk 145 =========================

This is disk 145 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Csh   This is a version of Matt's csh like shell which
        has been modified to provide file name completion
        and argument execution (via the grave accents
        mechanism). Requires ARP 1.1 to run. Binary
        only, but includes diffs for the reference 2.07
        source base.
        Author: Matt Dillon; enhancements by Johan Widen

DMouse   Matt's done it again, another very useful program!
        This is a versatile screen blanker, mouse blanker,
        auto window activator, mouse accelerator, popcli
        style programmable command key, pop window to front,
        push window to back, etc, widget. Version 1.06,
        includes source.
        Author: Matt Dillon

DNet   A link protocol that provides essentially an unlimited
        number of reliable connections between processes on
        two machines, where each end of the link can be
        either an Amiga or a Unix (BSD4.3) machine. Works
        on the Amiga with any EXEC device that looks like the
        serial.device. Works on UNIX with tty and socket
        devices. Achieves better than 95% average throughput
        on file transfers. Version 1.20, includes sources
        for both the Amiga and Unix versions.
        Author: Matt Dillon

Tab   A tablature writing program for the Amiga, with
        intruments for a banjo and a string guitar.
        Binary only.
        Author: Jeff deRienzo

TinyProlog VT-PROLOG is a simple prolog interpreter provided with
        full source code to encourage experimentation with
        the PROLOG language and implementations. Version 1.1,
        includes source.
        Author: Bill and Bev Thompson

========================= Contents of Disk 146 =========================

This is disk 146 of the freely distributable AMIGA software library.
            Un-Pack this Disk

Below is a listing of the significant directories and their contents.

Blanker2   A screen blanking program that turns the screen black
        after 90 seconds of keyboard and mouse inactivity.
        Implemented as a very tiny event handler to the input
        handler event stream. Version 1.27.88, includes source.
        Author: Joe Hitchens

C-Light   A demonstration copy of a commercial ray tracing program,
        which is identical to the commercial version except that
        it has been limited to ten objects per scene. Binary
        only.
        Author: Ronald Peterson

CrcLists   Complete CRC check files for disks 129-141 and disks
        143-145 of the library, using the crc program from
        disk 133. These were made directly from my master
        disks. Disk 142 is omitted because of a problem
        with the crc program.
        Author: Fred Fish

DmeMacros   A set of DME macros which utilize templates to turn
        DME into a language-sensitive editor for C, Pascal,
        Modula-2, and Fortran.
        Author: Jerry Mack

MemoPad   A shareware intuition-based memo reminder program.
        Nicely done. Version 1.1, binary only.
        Author: Michael Griebling

========================= Contents of Disk 147 =========================

This is disk 147 of the freely distributable AMIGA software library.
            Un-Pack this Disk
This disk contains the latest version of MicroGNUEmacs (MG 2b). Many
additions and enhancements since the original works by Dave Conroy. A
large amount of credit should go to the vast number of contributors and
Beta testers.

*Note: In order to fit all of the files on one disk and preserve the
        Workbench environment, the machine specific source code files
        and the document files have been archived. An executable copy
        of the public domain archive program "Zoo" has been placed in
        the "c" directory for the convenience of those who may not
        already have it.

========================= Contents of Disk 148 =========================

This is disk 148 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

EFJ   "Escape from Jovi" A machine-code game featuring
        hi-res scrolling, large playfield, disk-based Hi-Score
        list, stereo sound, and multiple levels. Use a joystick

                    in port 2 to control the ship. Binary only, shareware ($8).
                    Author: Oliver Wagner

Fme   Nicely done map editor for the Fire-Power (tm) game.
          Features interlaced hi-res with intuition interface. See
          the "Readme.fnf" file for information on making a
          bootable disk. Includes source.
          Author: Gregory MacKay

HandyIcons Adds a menustrip to the WorkBench window that allows
          you to run selected Workbench Tools by menu selection.
          Can be set up to provide custom environments. Current
          version supports only WorkBench Tools and not Projects.
          Binary only.
          Author: Alan Rubright

Scrambler   A simple program that will encode/decode a text file
          into illegible gibberish, which resembles executable code,
          to evade prying eyes. Version 0.01, Binary only.
          Author: Foster Hall

========================= Contents of Disk 149 =========================

This is disk 149 of the freely distributable AMIGA software library.
              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AnimalSounds   A sample of digitized animal sounds along with a simple
          sound player.
          Authors: The Trumor Company, Inc.
                    Sound Player by Don Pitts

DX-VoiceSorter Written to be used with Jack Deckard's VoiceFiler program.
          (Disk 82). It allows for the sorting of a number of
          voicefiles stored using that program into a new voicefile
          of voices made up from various files. Includes source.
          Author: David Bouckley

Keep   A nice little utility program with an intuition interface
          for BBS and network junkies who download messages in one
          large file and then read them off-line. Using only the
          mouse, you can drive through such files a message at a
          time, examine each at your leisure and tag those you wish
          to keep. Version 1.2, binary only, but source available
          with donation to author.
          Author: Tim Grantham

Less   Like Unix "more", only better, with forward and
          backward scrolling, searching and positioning by
          percent of file and line number, etc. Now lets you
          also print the current file. Very useful!
          This is Amiga version 1.3, an update to the version
          on disk number 92. Includes source.
          Author: Mark Nudelman, Amiga port by Bob Leivian

Scheme   To quote the ReadMe file:
        "Scheme is a statically scoped and properly tail-recursive
        dialect of the Lisp programming language invented by
        Guy Lewis Steele Jr. and Gerald Jay Sussman."
        Binary only.
        Amiga port by Ed Puckett

========================= Contents of Disk 150 =========================

This is disk 150 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AirFoil   An update to the Airfoil generator on disk #71.
        Generates airfoil models as well as their corresponding
        streamline and pressure distributions. Includes source.
        Authors: Russell Leighton
                    Addendum by David Foster

DC10   An AmigaBasic DC-10 instrument flight simulator. Appears
        to be quite in-depth with flight-planning and take-off
        options along with an extensive documentation file. Requires
        rebuilding on a separate disk and was successfully done so
        by following the author's instructions in the ReadMe_First
        file.
        Author: Jan Arkesteijn

ExecLib   A working example of how to build and use user-defined
        disk-resident libraries. Of special interest to developers
        working with Lattice C.
        Author: Alex Livshits

Iconizer   A utility program that saves your current mouse pointer
        to a small icon. You can restore the pointer just by
        double-clicking on its icon. Allows for building a whole
        library of pointers and to use them whenever you want.
        Binary only.
        Author: Alex Livshits

Pilot   An implementation of the PILOT language for the Amiga,
        including a demo done for the National Park Service.
        PILOT is a limited use language for use in educational and
        computer based instruction programs. Binary only with Beta
        test kit available from authors.
        Author: Terry LaGrone

StealMemBoot   A small utility designed to be a direct replacement for
        NoFastMem kind of programs. It modifies the boot block of
        a disk, so when you boot with it, all memory allocations
        will return only CHIP memory.
        Author: Alex Livshits

========================= Contents of Disk 151 =========================

This is disk 151 of the freely distributable AMIGA software library.

              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

GlobeDemo   A graphics demo which displays very smooth transitions of
        the rotating earth. Features a pop-up menu. Includes
        source.
        Author: Bob Corwin

Icons   Yet another potpourri of interesting icons to choose
        from if you need one for your own program.
        Author: Dave Turnock

Pcopy   A small intuition-based disk copier similiar to
        the resident "DiskCopy" except with write-verify
        and other user-selectable options. Useful for making
        multiple copies with reliable data. Requires two disk
        drives. Includes source.
        Author: Dirk Reisig

SCT   A CLI-based utility (SetColorTable) for displaying and/or
        setting a screen's colors. You can save the colors
        of a screen to be restored later, or copy one screen's
        colors to another. Includes source.
        Author: aklevin

SlideShow   Very nicely done slide-show program written in assembly
        language. Features forward/backward presentation and
        creative screen wipes. Currently works only with IFF
        lo-res pictures. Executable only along with some new
        IFF pictures to have come my way. Shareware ($16).
        Authors: Mike McKittrick and Sheldon Templeton

Surveyor   A little utility that opens a window on the current
        screen and displays information about the pointer.
        Allows for absolute or relative measurement between
        two points on the screen. Very handy for precise
        positioning of icons and such. Includes source.
        Author: Dirk Reisig

========================== Contents of Disk 152 ==========================

This is disk 152 of the freely distributable AMIGA software library.
              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Blk   A requester making tool employing various recursive
        algorithms including a recursive parser. It takes input
        text files and converts them to C-source for including as
        requester declarations. Includes source.
        Author: Stuart Ferguson

RunBack   A variant of Rob Peck's RunBackGround program from disk
        number 73. Allows you to start a new CLI program and run
        it in the background, then closes the new CLI. This version
        automatically searches the command-search-path to find the

```
                    program. Includes source.
                    Author:  Daniel Barrett

UUCP           This is a version of uucp (Unix to Unix Copy Program)
               for the Amiga, along with some miscellaneous support
               utilities like cron, mail, and compress.  Includes source.
               Author:  Various, submitted by William Loftus
```

========================== Contents of Disk 153 ==========================

This is disk 153 of the freely distributable AMIGA software library.
               Un-Pack this Disk
Below is a listing of the significant directories and their contents.


```
Dme       Version 1.30 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 134, includes source.
          Author:  Matt Dillon

HP11           Emulates an HP11C calculator including the program mode.
          Features an ON/OFF button that turns the calculator into
          an icon that will sit and wait until you need it again.
          Documentation on the features is scarce, perhaps some
          industrious HP owner could write a small tutorial for the
          benefit of those that don't own an HP calculator.
          Binary only.
          Author:  David Gay

HPMam          A program to manipulate settings and fonts on HP LaserJet+
          printers and compatibles. Includes an Intuition interface
          and some sample picture files.  Version 1.0, binary only,
          shareware.
          Author:  Steve Robb

Synthemania An interesting, very small (and very persistent!) musical
          piece. If you plan on stopping it without using three
          fingers, you better read the document file first!
          Binary only.
          Author:  Holger Lubitz
```

========================== Contents of Disk 154 ==========================

This is disk 154 of the freely distributable AMIGA software library.
               Un-Pack this Disk
Below is a listing of the significant directories and their contents.


```
Ada       An Ada Syntax checker for the amiga.  Includes lex and
          yacc source.
          Author:  Herman Fischer; updates by William Loftus

AssemblyDemos   A interesting group of assembly language demos for your
          visual and aural pleasure.  Binary only.
```

                    Author: Foster Hall

DiskLib   Two utilities for those people who like to split up PD
            disks into disks of different categories. Includes source.
            Author: Wilson Snyder

Guardian   Another virus diagnosing and vaccination program.
            Recognizes any non-standard bootblock. Includes a
            small utility program to permanently place the program
            on a copy of your kickstart disk in place of the seldom
            (if ever!) used Debug() function. Binary only.
            Author: Leonardo Fei

PrintSpool A print-spooling program. Very useful for printing files
            in the background. Many command-line options. Version
            1.0.0, Includes source.
            Author: Frangois Gagnon

Utilities   A group of four little utility programs, Cal, Undelete
            DClock and WhereIs. Binary only, see the ReadMe file for a
            description of each.
            Author: Dan Schein

VirusX   An update to the virus-detecting program of the same
            name on disk number 137. This version also checks for
            the Byte-Bandit strain. Version 1.21, Includes source.
            Author: Steve Tibbett

Virus_Alert!   Yet another anti-virus program with a twist. Once
            installed a message is displayed just after a warm or
            cold boot notifying the the user that the disk and
            memory are virus-free, and forcing a mouse-button press
            before continuing. Anything writing to the bootblock
            thereafter will destroy the message and a normal virus-
            infected boot (???) will take-place. Versions 1.01 and
            2.01, Binary only.
            Author: Foster Hall

Wicon   A "Window Iconifier". Allows you to turn your windows
            into small icons which can be later recalled. Currently
            installed with MacWin to give your windows a "rubber-
            banding" effect. Version 1.14, Includes source.
            Author: Steven Sweeting

========================= Contents of Disk 155 =========================

This is disk 155 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AsmExamples A couple of assembly code examples. Executables are
            not extremely useful but the code might be of
            considerable benefit to beginning assembly language
            programmers.
            Author: Henrik Clausen

Bison   A replacement for unix "yacc" command. This is from
            the GNU (GNU is Not Unix) effort. Contains updates
            to the version on disk number 136, submitted by two
            separate sources. Includes source.
            Author: Bob Corbett and Richard Stallman, updates
                  by William Loftus and Scott Henry

NoSmoking   Sample program showing the use of a recoverable alert
            while displaying a personal health message. Includes
            source.
            Author: Theo Kermanidis

Scenery   A very nice assembly language random scenery generator.
            Generates very realistic looking landscapes. Includes
            intuition interface and lots of menu options. Version
            1.0, binary only.
            Author: Brett Casebolt

========================= Contents of Disk 156 =========================

This is disk 156 of the freely distributable AMIGA software library.
               Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Blocks2   Amusing and colorful display of a moving trail of
            "blocks". Update to version on disk number 71, however
            this version also includes source.
            Author: Gary Walker

Flex   Flex is a replacement for the UNIX "lex" (lexical
            analyzer generator) program that is faster than
            lex, and freely redistributable. Includes source.
            Authors: Jef Poskanzer, Vern Paxson, et. al.
                  Submissions by William Loftus and Scott Henry

Go64   Another screen hack aimed at an earlier Commodore product
            (Not to be confused with the commercial product Go-64! from
            Software Insight Systems). Includes source.
            Author: Joerg Anslik

Grammars   A group of lexical grammar files for Ada, C and Pascal for
            use in conjunction with the flex program on this disk and
            the bison program on disk #155
            Authors: Various, submitted by William Loftus

OOPS!   Tired of the monochrome background color of your Workbench
            or CLI? Then try this colorful screen hack to brighten
            things up! Includes source.
            Author: Joerg Anslik

========================= Contents of Disk 157 =========================

This is disk 157 of the freely distributable AMIGA software library.
               Un-Pack this Disk
Below is a listing of the significant directories and their contents.

60or80   A small utility to toggle the 60/80 column text modes
            without having to go through preferences. Works from
            either the CLI or the Workbench. Includes source.
            Author: Mark Schretlen

AmicForm   Creates a phonebook containing only those areacodes and
            exchanges reachable through PC-Pursuit. Input any of Chet
            Solace's Finalist BBS lists and it creates the phonebook
            in a form usable by AmicTerm and a number of other popular
            terminal programs. Version 1.3, Binary only.
            Author: John Motsinger

AnimBalls   A nifty little animation program that allows you to
            create a collection of balls in three-space and then
            interactively rotate them in real time using the mouse.
            Includes source.
            Author: Jim Guilford

BootBack   A handy little utility to copy and save the boot block
            from a disk, then later restore it should the disk
            get stomped on by some ugly virus. Includes source.
            Author: David Joiner

ECPM   A CP/M emulator for the Amiga. Emulates an 8080
            along with H19 terminal emulation. Update from version
            on disk number 109. Includes source.
            Author: Jim Cathey; Amiga port by Charlie Gibbs;
                 Significant improvements by Willi Kusche

KeyFiler   A BBS message file sorter that allows sorting by keyword.
            Includes a textreader, Soundex matching, and limited
            wildcard capabilities. Version 1.0, Binary only.
            Author: John Motsinger

ScreenZap   A little utility to clean away screens that are left
            by ill-behaving programs. It will kill every screen
            behind the WorkBench, noting how many it gets. The
            screens in front of WB are not affected. Includes
            source.
            Author: Lars Clausen

SetPrefs   Allows you to build a whole library of preference settings
            and instantly switch back and forth between them. Affects
            all preference settings not just the colors. Very useful
            for machines with multiple users or multiple external
            devices. Includes Amiga's default and various sample
            preference settings. Binary only.
            Author: Martin Hippele

Xicon   Xicon lets you use icons to call up scripts containing CLI
            commands. This is version 2.01, an update to the version
            on disk 102. Includes source.
            Author: Pete Goodeve

========================= Contents of Disk 158 =========================

This is disk 158 of the freely distributable AMIGA software library.

        Un-Pack this Disk
Below is a listing of the significant directories and their contents.

DiskX   Nicely done Sector-based disk editor. Binary only
        Author: Steve Tibbett

MemBoardTest   Originally designed for production testing of A1000 memory
        boards. Very nice intuition interface. Version 2.4,
        Includes source in Modula.
        Author: George Vokalek

MSDOS   A program to list files written in standard MS-Dos or
        Atari ST format. The files can then be copied to Ram and
        rewritten to disk in Amiga-Dos format. Binary only,
        Shareware, Version 0.1.
        Author: Frank Wubbeling

PCBTool   An early version of a shareware PC Board layout program
        Lots of options including variable size pads and traces,
        grids, grid snap, layers, zoom, selectable centering,
        text and more. This version does not support printer/
        plotter dumps or libraries. Version 2.6, binary only.
        Author: George Vokalek

ScreenX   A handy little background utility that provides a small
        clock/memory counter in its inactive mode and a versatile
        screen manipulator when called upon. Binary only with
        source available from author, Version 2.1.
        Author: Steve Tibbett

TaskX   A "real-time" task editor. Lets you list and set the
        priorities of all the currently running tasks. Binary
        only, Version 2.0.
        Author: Steve Tibbett

VirusX   Update to the version on disk number 154, checks for
        a couple of additional new strains. Includes source,
        Version 1.6.
        Author: Steve Tibbett

YachtC3   Update to the Yachtc program on disk #10, contains some fixes
        and incorporates a simple sound process. Version 3, includes
        source.
        Author: Sheldon Leemon, with enhancements by Mark Schretlen

========================== Contents of Disk 159 ==========================

This is disk 159 of the freely distributable AMIGA software library.
        Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Free   A little command to put in your c directory that returns
        memory status and number of tasks currently served by EXEC.
        Includes source.
        Author: Joerg Anslik

MidiTools   A group of several different utility programs for those
            who run a Midi system. Binary only.
            Author: Jack Deckard

StarChart   Nicely done intuition based program to display and identify
            about 600 stars, galaxies and nebulae visible in the Northern
            hemisphere. Version 1.2, includes source.
            Author: Ray R. Larson

TaskControl Nicely done task-handling program allowing you to put to
            sleep, kill or change priorities of the all the currently
            loaded tasks. Also potentially GURU-producing, so be careful
            what tasks you kill, change priorities of, etc. Handy window
            sizer will reduce it almost to an icon to hang around until
            you want to use it. Binary only.
            Author: J. Martin Hippele

TUC   "The Ultimate Clock". Another window title clock/memory
            minder. This one is in 132 columns! Also gives the free
            memory on drives DF0, DF1 & DF2. Includes source.
            Author: Joerg Anslik
========================= Contents of Disk 160 =========================

This is disk 160 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Calls   A little utility to help analyze the flow of a C-program by
            laying out the functions called in a hierarchical manner.
            Author: Originally from Usenet with major revisions by
                Kevin Braunsdorf, Amiga port by George MacDonald

Check   A useful little utility for finding structural errors
            in C-source code. Many command-line options. Version
            1.03, binary only.
            Author: Keith Elbertson

Dis   A 68000 disassembler, written in assembly, this is an update
            to the version on disk #128. Includes source.
            Author: Greg Lee with enhancements by Willi Kusche

DMouse   A versatile screen & mouse blanker, auto window activator,
            mouse accelerator, popcli, pop window to front, push
            window to back, etc, widget. Version 1.09, includes source.
            Update to version on disk number 145.
            Author: Matt Dillon

DWIP   "Daisy Wheel IFF Printer". A graphics printing utility
            that allows the printing of IFF pictures on a daisy wheel
            printer. Includes source.
            Author: Ken Van Camp

M4   A UNIX M4 look-alike macro processor intended as a
            front end for Ratfor, Pascal, and other languages that do
            not have a built-in macro processing capability. Pd M4

                    reads standard input, the processed text is written on the
                    standard output.
            Author: Ozan S. Yigit (oz)

MemoPad   A shareware intuition-based memo reminder program.
            Nicely done. Update to version on disk #146, version
            1.2, binary only.
            Author: Michael Griebling

NeuralNets A neural network example using the generalized back-
            propagation delta rule for learning, specifically applied
            to the tabula rasa Little Red Riding Hood instance.
            Author: Josiah C. Hoskins

========================= Contents of Disk 161 =========================

This is disk 161 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Friends   Cute little screen hack with command-line options to keep
            your mouse pointer company when you step away. Includes
            source.
            Author: Michael Warner

Getsprite   A simple little program to convert Dpaint brushes into
            C-source. Binary only.
            Author: Michael Warner

IncRev   A handy little program that will automatically increment
            the revision number of a program every time it is recompiled.
            Binary only.
            Author: Bryan Ford

LGZ   A Map generator/editor for the LGZ game. Not extremely
         useful if you don't happen to play that game, but good
         source example of intuition interfacing. Vesion 0.1.
         Authors: Lars and Henrik Clausen

Mackie   A versatile cli/macro-key initiator based on POPCLI with
            a unique method of "screen-blanking". I won't say more,
            just try it! Version 1.1, includes source.
            Author: Thomas Rokicki

Nag   A shareware appointment calendar with it's own editor and a
         unique 'nagging' feature utilizing the Amiga's voice and
         audio devices. Version 1.6, binary only.
         Author: Richard Lee Stockton

Perl   Practical Extraction and Report Language, an interpreted
            language optimized for scanning arbitrary text files,
            extracting information from those text files, and printing
            reports based on that information.
            Author: Larry Wall

VRTest   Another anti-virus utility that allows visual inspection

                    of ram starting a $7E7FE, ram cleaning, bootblock
                    inspection and vector monitoring/reseting. Written
                    entirely in assembly language. Version 3.2, binary only.
                    Author: Babar Khan

XBoot   A very simple utility to convert a boot block into an
            executable file so you can use your favorite debugger
            (Wack, Dis, etc.) to study it. Includes source.
            Author: Francois Rouaix

=========================== Contents of Disk 162 ===========================

This is disk 162 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Avi   A workalike version of the UNIX vi editor for the amiga.
        Though not especially recommended for beginners, designed
        for those of you who may have the vi commands permanently
        hard-coded into your fingertips! Version 1.0, binary only.
        Author: Peter Nestor

CLI_Utilities   This directory contains several subdirectories with
        small utilities, collected from various sources,
        that are only usable from the CLI. See the Readme
        file for further information. Some include source.
        Author: Various

Dark   A small graphics and animation demo. Includes source.
        Author: Phil Robertson

Flow2Troff A little utility to convert from New Horizons Software
        "FLOW" files to UNIX "troff" files, suitable for printing
        on any troff-compatible laser printer. Version 1.0,
        includes source and a sample "FLOW" file.
        Author: Daniel Barrett

LabyrinthII A shareware role-playing text adventure game similar in
        operation to the Infocom text adventures. Includes source.
        Author: Russell Wallace

Iffar   Maintains archives of Interchange File Format (IFF) FORM,
        CAT and LIST files in a manner that complies with the
        IFF CAT specification. Version 1.2, includes source.
        Author: Karl Lehenbauer

SetPALorNTSC   A couple of utility programs for testing the suitability
        of a developed program in either the PAL or NTSC
        environments. Includes source and a sample program.
        Author: Peter Kittel

TES   "The Electronic Slave" adds a gadget strip to the top of
        the cli window to perform such functions as device
        directories, info, run ED, and time. Currently, assignments
        are hardcoded but not difficult to change if you own a
        compiler. Version 1.1, includes source.

        Author: Joerg Anslik

UnknownGirl Another small musical piece similar in execution to
        "Synthemania" on disk number 153. Binary only.
        Author: Holger Lubitz

========================= Contents of Disk 163 =========================

This is disk 163 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Bankn   A complete checkbook system offered by the author as
        shareware.   Update to version on disk number 120.
        Version 1.5, binary only.
        Author: Hal Carter

FiveInLine A board-playing game similiar to Go-Moku, Ristinolla, etc.
        Fast-paced and quickly addictive! Includes source.
        Author: Njmouse accelerator" program that also includes hotkeys,
        the features of sun mouse, clicktofront, popcli, title bar
        clock with a bbs online charge accumulator, and more.
        Update to version on disk number 130. Version 2.4c, binary
        only.
        Author: Brian Moats

MemTrace   Routines to help debug memory allocation and freeing during
        program development.   Will complain if you try to free
        memory you didn't allocate and will report on memory not
        freed when your program finishes.
        Author: Jojo Wesener

PcPatch   Patches for PCCopy and PCFormat from the 'EXTRAS 1.2' disk,
        to allow reading/writing/formatting 3.5 inch 360k (2 sides/
        40 Tracks/9 sectors) MS-DOS disks.
        Author: Werner Guenther

ReadmeMaster   A nifty little database for finding those programs that
        you know exist somewhere (???) in the AmigaLibDisk library.
        Maintains a key-word dictionary of the Contents descriptions
        that allows searching by disk number, program title, author's
        name, or some other descriptive word. Currently supports
        disks 1-154 with planned updates from the author. Binary
        only.
        Author: Harold Morash

View   A mouse-oriented text file reader. Sample operation is
        demonstrated in reading the View.doc file, instead of using
        the usual "Less" text file reader.
        Author: Bryan Ford

========================= Contents of Disk 164 =========================

This is disk 164 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

C-Functions A group of four little C-functions to add to your library to
        make your programming life a little easier. Includes source
        and a small demo program showing some of the results.
        Author: Lars Thuring

DiskSalv   Very useful 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. Many enhancements since the
        original version on disk #20. Version 1.3, Binary only
        Author: Dave Haynie

Hed   A handy little editor that is more user-friendly than
        "Ed", yet doesn't require the memorization of complicated
        keystrokes of some of the larger, more powerful, editors.
        Binary only.
        Author: Hal Carter

Newton   Uses the "Newtons Method" algorithm to estimate both real
        and imaginary roots of a polynomial of degree 20 or less.
        Version 1.0, includes source.
        Author: Daniel Barrett

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. Update to version on disk #58.
        Version 3.18, Binary only.
        Author: John Hodgson

PcView   Provides the PC community with the opportunity to display
        IFF pictures to the best of EGA's ability. Displays Amiga
        pics, IBM-PC Deluxe Paint Pics, Apple II-GS Deluxe Paint
        Pics, and others in the IFF standard format. Includes
        source.
        Author: John Hodgson

PolyRoot   Another Polynomial root-finder using the Newtonian algorithm.
        Nicely done in AmigaBasic with good documentation file.
        Version 2.00.
        Author: Jon Giorgini

PrtDrivers A couple of new Printer Drivers. One for Digital Equipment's
        LN03+ laser printer, and one for Mannesmann Tally's MT420d
        dot matrix.
        Authors: DEC LN03 -- Bernie Mentink
            MT420d -- Sascha Wildner

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). This is version
        2.00, an update to the version released on disk 136.
        Binary only.

Author: Rahul Dhesi, Amiga port by Brian Waters

========================= Contents of Disk 165 =========================

This is disk 165 of the freely distributable AMIGA software library.
             Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Conman   Extremely useful replacement for the standard console
            handler, 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 1.3, binary only,
            update to version on disk 133.
            Author: William Hawes

CPM   Another CP/M emulator independently authored from the version
            that appeared on disk #157. Emulates a CPM computer with a
            Z80 processor connected to an ADM3A terminal. Assembly
            source included.
            Author: Ulf Nordquist

Parsnag   A program to aid in performing color separations on Epson
            JX-80 printers. Includes source.
            Author: John Hodgson

PlotView   A couple of programs, Plotview and Plot2Am, for viewing
            UNIX plot files. Also included are two sub-directories:
            Plot -- a device independent plotting package for the Amiga,
            compatible with the UNIX plot subroutine package and
            Plot2Tek -- converts UNIX plot format files to Tektronix
            410x terminal graphic commands. Source included.
            Author: Joel Swank

RamCopy   A copy program designed for machines with 1 meg or more
            of Ram and only one disk drive. Allows you to copy a
            complete disk in only one pass.
            Author: Stephen Gunn

SPUDclock   A simple program that uses the narrator device to speak the
            time at certain user specified intervals. Lots of command
            line options. Version 1.2, includes source.
            Authors: Robert E. Beaty and H. Bret Young

========================= Contents of Disk 166 =========================

This is disk 166 of the freely distributable AMIGA software library.
             Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AutoGraf   Collects and graphically displays information on auto
            mileage. Features such as miles per gallon, cost per
            mile, miles driven, highs, lows, averages, etc. Includes
            sample data file, a couple utility programs and source.
            Version 1.0

```
               Author:  Joel Swank

Cref           A C cross referencer program.  Prints out your code with
               line-numbers and complete key-word cross-referencing.
               Update from version on disk #103 which had a serious
               bug.  Includes source.
               Author:  Mike Edmonds; Amiga port by Joel Swank

MultiCalc   Yet another RPN type graphic calculator.  This one
               generates answers with extreme precision (if 3000 digits
               is enough!)  Features a 48-digit scrollable display, mouse
               driven with lots of keyboard shortcuts, and iconification
               during non-use.  Binary only.
               Author:  Kenneth Johnson

Stevie         A public domain clone of the UNIX 'vi' editor.  Supports
               window-sizing, arrow keys, and the help key.  Version 3.10a,
               includes source.
               Author: Various, Amiga port by Tony Andrews
```

========================= Contents of Disk 167 =========================

This is disk 167 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

```
CDecl          English to C (and vice versa) translator for C
               declarations.  This little gem will translate english
               such as "declare foo as pointer to function returning
               pointer to array 10 of pointer to long" into
               "long *(*(*foo)())[10]", and vice versa.  Update from
               version on disk number 114. Includes source.
               Author:  Graham Ross with enhancements by David Wolverton,
                    Tony Hansen, Merlyn LeRoy, Udi Finkelstein and
                    probably others!

CLIcon          Allows you to run cli programs from the workbench, similar
               in operation to IconExec, but more versatile.
               Author:  Bryan Ford

CloseMe         Another ingenious perversion in the screen hack category.
               Don't miss this one...surely destined to become a classic!
               Includes source.
               Author:  Charlie Gibbs

DSM           (Dynamic Sound Machine) Demo version with "Save" disabled
               of a program that will take any IFF sound or raw data and
               save it as a totally self-contained, runable program.
               Author:  Foster Hall

MRPrint         A cli-based text file printing utility with lots of nice
               features, including tab-to-space expansion, page headers,
               line numbers, margin control with line-splitting and
               pagination correction, ARP wildcard support, and auto-
               rejection of files containing binary characters.
               Version 3.1, Includes source.
```

          Author: Mark Rinfret

Smus3.6a   An enhanced version of the smus player that last appeared
        on disk number 58.
        Author: John Hodgson

Sounddemos   Some very nice demos for showing off the incredible audio
        power of the Amiga!. 100% assembly language, make sure
        you have the stereo connected for these!
        Author: Foster Hall

========================= Contents of Disk 168 =========================

This is disk 168 of the freely distributable AMIGA software library.
             Un-Pack this Disk
This is the also the first disk of a two disk "Matt Dillion special"
containing binaries and sources to the latest versions of a great deal
of Matt's many programs. For a complete listing of the programs on these
two disks, see the file called "README". Because of the nature of Matt's
programs and the need for his support libraries to recreate many of his
programs, I opted to keep these disks pretty much as Matt sent them to me,
rather than follow the usual AmigaLibDisk format of binaries and sources
in one directory. This would have undoubtedly increased this to a three
disk set. Please note that if you plan on recreating any of these programs,
then it is quite possible that you will need information from both disks.

-Fred ><>
 18-Nov-88

==

               README

                Matthew Dillon
                891 Regal Rd.
                Berkeley, Ca. 94708
                USA

           dillon@ucbvax.berkeley.edu   INTERNET
             ....!ucbvax!dillon   USENET

                FISH RELEASE
               16 August 1988

    (c)Copyright 1988 Matthew Dillon, All Rights reserved. All software
    on these disks which is mine may be distributed for non-profit
    only. This software is 'freeware', NOT public domain since I hold
    the copyright on it. Terms are:

    -You may redistribute any of the programs and/or source files
     but you may not distribute modified versions of said to the
     general public (i.e. BBS's, USENET, etc....). Redistribution is
     for non-profit only.

    -You may extract and use any part of the source without strings
     attached as long as the programs you write with it are not an
     attempt to create an enhanced version of the program you extracted

the source from.

-I am NOT requesting $$ (this is not ShareWare), but then again,
 I am not so foolish as to not include my address in case anybody
 feels the urge.

These two disks contain binaries and sources to the latest release of
quite a bunch of my programs. Many are updates to older versions and
some are new. The two major additions that are noteworthy are
DRES.LIBRARY and BACKUP.

Note that to compile various programs you must have a working SUP32.LIB,
DRES.LIB, and DRES.LIBRARY. Also a new include subdirectory, local,
must be installed. Only DRES.LIBRARY is independant while the other two
(binaries) require Aztec C V3.6 ... you have to recompile for other
versions of Aztec C. With a bit of hacking a good programmer would be
able to set up an enviroment for Lattice C. Of particular attention to
somebody trying to do this is the modification of the LIBREF program to
generate Lattice compatible assembly (in the DRES source section).

Noted programs which are missing: DNET, and DTERM are not ready for
re-release yet.

CONFIG V1.00   Used to configure friendly programs like DME for
        the initial window placement (configures the
        executable)

Clock   V1.00   Simple clock, configurable with config.

DME   V1.31   My programming oriented editor

DMouse V1.10   mouse enhancer .. acceleration, blanking, etc...
        (now handles requesters better w/ auto-activate)

Backup V2.01   HD backup/restore (same program just renamed)

SUPLIB   Support (link time) library required to compile
        my programs.

LIBREF   Utility for generating run-time library link library
        assembly files, lvo.asm, and the run-time library's
        vector list. See the DRES source for usage.
        Currently very Aztec in terms of what it generates.

DRES   V1   Support (run time) library w/ lots of functions
        including a generic parser and IPC.

DASM   V2.11   Small-systems assembler. Handles 6502 and some of
        the Motorola single chip microcomputers. Generates
        code (not object module oriented).

FTOHEX   Part of DASM used to convert a DASM executable into
        an intel-hex formatted ascii file.

FILES   V1.2   My disk catalog program. Haven't enhanced it much

```
              but did fix some bugs.

    SHELL   V2.10   Added enviroment variable support and some other
                    junk.  Use ConMan if you want command line editing,
                    I do (it should not be a function of the shell and
                    it isn't in mine).

    FINDIT  V1.00   Search for a filename (wildcard)

    LIBS    V1.00   list libraries/devices in ram or attempt to remove
                    libraries.

    SCAT    V1.00   Utility to 'cat' binaries without blowing up the
                    display

    ADDCR   V1.00   Utility to add CR's before LF's in files

    REMCR   V1.00   Utility to remove CR's in files

    CMP     V1.00   Utility to compare two files




            BINARIES                SOURCES      DOCS

    INCLUDES         --          Disk1:include/local

    Config     Disk1:c/config      Disk1:src/deemu Disk1:doc/
    Clock      Disk1:c/clock       Disk1:src/deemu Disk1:doc/
    DME        Disk1:c/dme         Disk2:src/dme   Disk1:doc/
    DMouse     Disk1:c/dmouse      Disk1:src/dmouse   Disk1:doc/
            Disk1:l/dmouse-handler
    Suplib     Disk2:clib/sup32.lib   Disk2:src/suplib    Disk1:doc/suplib/
    LibRef     Disk1:c/libref      (in DRES srcs)     (none, see dres sources)
    DRes library   Disk2:clib/dres.lib    Disk2:src/dres  Disk1:doc/dres/
            Disk1:libs/dres.library
    Dasm       Disk1:c/dasm        Disk1:src/dasm/ Disk1:doc/
    FToHex     Disk1:c/ftohex      (in Dasm srcs)
    Files      Disk1:c/files       Disk1:src/files/    Disk1:doc/
    Shell      Disk1:c/shell       Disk2:src/shell/    Disk1:doc/


    Backup/Restore  Disk1:c/backup     Disk1:src/com/  Disk1:doc/backup.doc
    Findit     Disk1:c/findit      Disk1:src/com/  Disk1:doc/com.doc
    Libs       Disk1:c/libs        Disk1:src/com/  Disk1:doc/com.doc
    Scat       Disk1:c/scat        Disk1:src/com/  Disk1:doc/com.doc
    AddCR      Disk1:c/addcr       Disk1:src/com/  Disk1:doc/com.doc
    RemCR      Disk1:c/remcr       Disk1:src/com/  Disk1:doc/com.doc
    Cmp        Disk1:c/cmp         Disk1:src/com/  Disk1:doc/com.doc
```

========================= Contents of Disk 169 =========================

This is disk 169 of the freely distributable AMIGA software library.
            Un-Pack this Disk
This is the also the second disk of a two disk "Matt Dillion special"

containing binaries and sources to the latest versions of a great deal
of Matt's many programs. For a complete listing of the programs on these
two disks, see the file called "README". Because of the nature of Matt's
programs and the need for his support libraries to recreate many of his
programs, I opted to keep these disks pretty much as Matt sent them to me,
rather than follow the usual AmigaLibDisk format of binaries and sources
in one directory. This would have undoubtedly increased this to a three
disk set. Please note that if you plan on recreating any of these programs,
then it is quite possible that you will need information from both disks.

-Fred ><>
 18-Nov-88

                    README

                 Matthew Dillon
                 891 Regal Rd.
                 Berkeley, Ca. 94708
                 USA

             dillon@ucbvax.berkeley.edu   INTERNET
              ....!ucbvax!dillon   USENET

                  FISH RELEASE
                 16 August 1988

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   on these disks which is mine may be distributed for non-profit
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   -You may redistribute any of the programs and/or source files
    but you may not distribute modified versions of said to the
    general public (i.e. BBS's, USENET, etc....). Redistribution is
    for non-profit only.

   -You may extract and use any part of the source without strings
    attached as long as the programs you write with it are not an
    attempt to create an enhanced version of the program you extracted
    the source from.

   -I am NOT requesting $$ (this is not ShareWare), but then again,
    I am not so foolish as to not include my address in case anybody
    feels the urge.

   These two disks contain binaries and sources to the latest release of
   quite a bunch of my programs. Many are updates to older versions and
   some are new. The two major additions that are noteworthy are
   DRES.LIBRARY and BACKUP.

   Note that to compile various programs you must have a working SUP32.LIB,
   DRES.LIB, and DRES.LIBRARY. Also a new include subdirectory, local,
   must be installed. Only DRES.LIBRARY is independant while the other two
   (binaries) require Aztec C V3.6 ... you have to recompile for other
   versions of Aztec C. With a bit of hacking a good programmer would be
   able to set up an enviroment for Lattice C. Of particular attention to

somebody trying to do this is the modification of the LIBREF program to
generate Lattice compatible assembly (in the DRES source section).

Noted programs which are missing: DNET, and DTERM are not ready for
re-release yet.

CONFIG V1.00   Used to configure friendly programs like DME for
        the initial window placement (configures the
        executable)

Clock   V1.00   Simple clock, configurable with config.

DME   V1.31   My programming oriented editor

DMouse V1.10   mouse enhancer .. acceleration, blanking, etc...
        (now handles requesters better w/ auto-activate)

Backup V2.01   HD backup/restore (same program just renamed)

SUPLIB   Support (link time) library required to compile
        my programs.

LIBREF   Utility for generating run-time library link library
        assembly files, lvo.asm, and the run-time library's
        vector list. See the DRES source for usage.
        Currently very Aztec in terms of what it generates.

DRES   V1   Support (run time) library w/ lots of functions
        including a generic parser and IPC.

DASM   V2.11   Small-systems assembler. Handles 6502 and some of
        the Motorola single chip microcomputers. Generates
        code (not object module oriented).

FTOHEX   Part of DASM used to convert a DASM executable into
        an intel-hex formatted ascii file.

FILES   V1.2   My disk catalog program. Haven't enhanced it much
        but did fix some bugs.

SHELL   V2.10   Added enviroment variable support and some other
        junk. Use ConMan if you want command line editing,
        I do (it should not be a function of the shell and
        it isn't in mine).

FINDIT V1.00   Search for a filename (wildcard)

LIBS   V1.00   list libraries/devices in ram or attempt to remove
        libraries.

SCAT   V1.00   Utility to 'cat' binaries without blowing up the
        display

ADDCR   V1.00   Utility to add CR's before LF's in files

REMCR   V1.00   Utility to remove CR's in files

```
        CMP     V1.00    Utility to compare two files




           BINARIES            SOURCES     DOCS

     INCLUDES         --         Disk1:include/local

     Config      Disk1:c/config     Disk1:src/deemu Disk1:doc/
     Clock       Disk1:c/clock      Disk1:src/deemu Disk1:doc/
     DME         Disk1:c/dme        Disk2:src/dme   Disk1:doc/
     DMouse      Disk1:c/dmouse     Disk1:src/dmouse    Disk1:doc/
             Disk1:l/dmouse-handler
     Suplib      Disk2:clib/sup32.lib   Disk2:src/suplib   Disk1:doc/suplib/
     LibRef      Disk1:c/libref     (in DRES srcs)      (none, see dres sources)
     DRes library   Disk2:clib/dres.lib    Disk2:src/dres  Disk1:doc/dres/
             Disk1:libs/dres.library
     Dasm        Disk1:c/dasm       Disk1:src/dasm/ Disk1:doc/
     FToHex      Disk1:c/ftohex     (in Dasm srcs)
     Files       Disk1:c/files      Disk1:src/files/    Disk1:doc/
     Shell       Disk1:c/shell      Disk2:src/shell/    Disk1:doc/

     Backup/Restore  Disk1:c/backup     Disk1:src/com/  Disk1:doc/backup.doc
     Findit      Disk1:c/findit     Disk1:src/com/  Disk1:doc/com.doc
     Libs        Disk1:c/libs       Disk1:src/com/  Disk1:doc/com.doc
     Scat        Disk1:c/scat       Disk1:src/com/  Disk1:doc/com.doc
     AddCR       Disk1:c/addcr      Disk1:src/com/  Disk1:doc/com.doc
     RemCR       Disk1:c/remcr      Disk1:src/com/  Disk1:doc/com.doc
     Cmp         Disk1:c/cmp        Disk1:src/com/  Disk1:doc/com.doc
```

========================== Contents of Disk 170 ==========================

This is disk 170 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Aftterm   Commmunications program utilizing IBM 3278 terminal
        emulation. Binary only.
        Author: Don Brereton

Dis6502   A ported 6502 disassembler with support added for C64
        binary files. Includes source.
        Author: Robert Bond, Amiga port by Udi Finkelstein

FastText   Blitter based fast text rendering routines written in
        assembly. Unique in the fact that they speed up rendering
        of non-proportional fonts of any height, and from 4-16
        pixels in width. Source and test program included.
        Author: Darren M. Greenwald

MRBackUp   A hard disk backup utility that does a file by file
        copy to standard AmigaDOS floppy disks. Includes an
        intuition interface and file compression. Version 2.4,
        Update to version on disk 129. Binary only
        Author: Mark Rinfret

PtrAnim   Nifty pointer animation program, includes lots of samples,
        a utility program and instructions on creating your own
        animations. Be sure to also read the "Disclaimer" in the
        author's ReadMeFirst file. Binary only, shareware
        Author: Tim Kemp

Surf   Generates bezier surfaces of revolution. Will produce some
        amazing pictures of wineglasses, doorknobs, or other objects
        one could turn on a lathe. Includes the capacity to map IFF
        image files onto any surface that it can draw. Source
        included
        Author: Eric Davies

Turbo   Opens a small window with a gadget that when selected,
        turns off bitplane, sprite, copper and audio DMA, presumably
        to increase system speed. Includes source.
        Author: Oliver Wagner

========================== Contents of Disk 171 ==========================

This is disk 171 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AZComm   Modified version of Comm 1.34 that contains Zmodem send,
        receive, and resume receive. Version 1.00, Binary only.
        Author: SS. Patel, based on Comm 1.34 by DJ James

Maze   A couple of very nice demos for the creation and use of
        single-solution mazes, one of which is practically a
        stand-alone game. Includes source.
        Author: Werner Gunther

Sozobon-C   Atari ST version of what appears to be a full K&R freeware
        C-compiler, assembler and linker. The compiler main pass
        and the assembler were compiled and tested on an Amiga A2000
        with only minimal changes, and they appear to work (to the
        extent that they believe they are running on an Atari-ST),
        so an Amiga port should be relatively easy.
        Author: Sozobon, Limited.

Xoper   Very comprehensive program to monitor and control system
        activity. Monitor cpu, memory usage, ports, interrupts,
        devices. Close windows, screens, show loaded fonts or last
        Guru code number. Clean up memory, flush unused libraries,
        devices, fonts. etc. and a whole bunch more! Spawns its own
        process. A very handy background task to have loaded.
        Assembly source included.
        Author: Werner Gunther

========================= Contents of Disk 172 =========================

This is disk 172 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

DataToObj A utility to convert raw data files (sprites, image data,
           text, etc.) directly into object code which can then be
           linked to the main program without the need to go through
           the compiling process. Includes source.
           Author: Werner Gunther

Handshake A full featured VT52/VT100/VT102/VT220 terminal emulator.
           The author has taken great pains to support the full VT102
           spec. Now supports ANSI colors, screen capture and more.
           Update to version on disk number 60. Version 2.12a,
           binary only, shareware.
           Author: Eric Haberfellner

MFix   A small program to insert in the startup-sequence of the
           commercial program, Marauder II, from Discovery Software,
           International. Whenever the copy process is started, the
           rainbow screen is covered by a bare screen until the copy
           is finished. The author claims a 25% decrease in copy time
           is achieved. Version 1.0, binary only.
           Author: Stephen Gunn

PopInfo   A "shrinkable" workbench utility to show you some info
           that Workbench doesn't, such as free memory on external
           devices, chip, fast, and total ram usage and more. Version
           2.0, Includes source.
           Author: Jonathan Potter

ProCalc   A program that simulates an HP-11C programmable calculator.
           Lots of enhancements and bug fixes since the original version
           on disk number 139. Version 1.2, binary only, shareware
           Author: Gotz Muller

Spiff   Make controlled approximations between two files. Similar
           to "diff" but more versatile. Allows for the handling of
           numerals as string literals or numeric values with
           adjustable tolerances. Provides for embedded commands,
           scriptfiles, and many other command-line parameters.
           Potentially very useful, but needs some Amiga-specific work.
           Source and some example files included.
           Author: Dan Nachbar, Bell Communications Research (BELLCORE)

========================= Contents of Disk 173 =========================

This is disk 173 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.
This is revision "a"; the tetris clone was removed from the original
disk as requested by Spectrum Holobyte.

CrcLists   Complete CRC check files for disks 146-172 using the
            crc program from disk 133. These were made directly
            from my master disks.
            Author: Fred Fish

FileSelect A FileIO selector, written 100% in assembly. Version
            1.0, includes source.
            Author: Fabrice Lienhardt

IffLib   A ready-to-use library to perform various manipulations
            on IFF files. Includes a sample IFF viewer and a utility
            to save the front screen as an IFF file.
            Author: Christian A. Weber

ILBM2C   Very useful utility for C-programmers. Reads in a
            standard IFF ILBM file and outputs a file that can then
            be included in your program. Includes source and a sample
            program.
            Author: Tim Kemp

Uedit   Version 2.4g of this nice shareware editor. Has learn
            mode, a command language, menu customization, and other
            user configurability and customizability features.
            Binary only, shareware, update to version on disk 121.
            Author: Rick Stiles

========================= Contents of Disk 174 =========================

This is disk 174 of the freely distributable AMIGA software library.
              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Castle   A simple graphics adventure game suitable for beginners.
            Binary only, but source available with a small donation to
            the author.
            Author: H. James Fox

Iff2Sun   A small utility for those of you who may have access to a
            Sun workstation. Takes an Amiga IFF file and converts it to
            a Sun rasterfile format. Source only, as the program needs
            to be re-compiled and run from a Sun.
            Authors: Steve Berry, Mark Thompson

Print1.2   Another CLI-based printing utility with several nice
            features including the ability to print in ASCII or HEX,
            with or without line numbers and a CTRL-C Trap. Includes
            source.
            Author: John F. Zacharias

Sh   Another version of the 'Sh' utility to unshar shell archives.
            Apparently corrects some problems encountered by similar
            programs. Until we can get everybody using some sort of
            "standard", perhaps if we collect enough of these utilities,
            we will eventually find one that works with the particular
            archive we're trying to unshar! Includes source.
            Author: Jim Guilford

Strings   A simple utility with command-line options for locating
            strings in a binary file. Version 1.0, includes source.
            Author: Joel Swank

TitlePage   Prints banner-type title pages for identifying listings.
            Lots of command-line options for specifying various fonts,
            pitches, typestyles, selectable centering, etc. Includes
            source.
            Author: Joel Swank

Tunnel   An interesting graphics demo written in TDI-Modula 2.
            I suggest you don't stare at this too long! Includes
            source.
            Author: Garth Thornton

========================== Contents of Disk 175 ==========================

This is disk 175 of the freely distributable AMIGA software library.
              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Elements   Very nice interactive display of the the Periodic Table
            of Elements. Can display a large amount of pertinent
            data about a selected element along with a good deal of
            general and miscellaneous info.
            Author: Paul Thomas Miller

Furnish   For those of you who may have ever used the "scale size cut
            and place" method of determining your next living-room
            arrangement, this Amiga-ized version may be just what you
            need. Binary only, shareware.
            Author: Terry Gintz

Plot   Program to compute and plot 3 dimensional functions.
            Major revision to PD version on disk number 49 by the
            same author. Version 4.1, binary only, shareware.
            Author: Terry Gintz

SafeBoot   Very handy intuition-based program to read and save
            custom bootblocks. The bootblock can then be later
            restored should the disk become virus-infected.
            Version 2.2, binary only.
            Author: Mark Lanoux

SendMorse   Brush up on your morse code with this simple program
            that will read an input textfile and output the characters
            at an adjustable rate.
            Author: Joe Larson

VirusX   Version 3.10 of the popular virus detection/vaccination
            program. Features a test for the new IRQ virus, among
            others, and a new "Kill Virus" utility. Includes source.
            Author: Steve Tibbett

WBDepth   CLI program that allows you to change the number of bitplanes

                 for the WB screen on the fly. Very useful for A500 and A2000
                 users with kickstart in ROM. Binary only.
                 Author: Andry Rachmat

Zippy   A "Graphical Shell". Opens a medium-size window and
                 attaches a menu-strip for performing all sort of disk/data
                 manipulations. Features script files allowing you to attach
                 custom menu selections as you move between directories.
                 Also included is an intuition based utility for altering
                 FileInfo data. (filename, filenote, RWED attributes, etc.)
                 Version 2.5, binary only.
                 Author: Michael Weiblen

========================= Contents of Disk 176 =========================

This is disk 176 of the freely distributable AMIGA software library.
               Un-Pack this Disk
This disk contains version V23-2A of Glenn Everhart's large and powerful
spreadsheet program called AnalytiCalc, submitted to me directly by
Glenn for inclusion in the library as an update to the version released
on disk 144. AnalytiCalc is presented in entirely ZOOed form because it
could not otherwise fit on a single disk. Because the auxiliary utilities
were presented on disk 144, they are not repeated here.

The ZOO utility is used due to the lack of controversy over the format. The
public domain BOOZ program is provided to extract the contents of the ZOO
archives provided.

With this release, AnalytiCalc has become "Freeware" rather than "Shareware".
Thus the only restrictions on AnalytiCalc code are that derivative programs
remain freely distributable.

HyperNet

    HyperNet is a small hypertext shell program for Amiga, presented
with sources and brief documents. It was also submitted by Glenn Everhart,
the author.
    HyperNet allows a "master" AmigaDos process to control a series of
connected processes, where the connections are randomly ordered directed
graphs. Permissible "child" processes available at any stage are governed
by the links of the graph. The implementation is mainly instructive, but
can be used for tutorials or demonstrations and illustrates the simplicity
of hypertext concepts on a multi-tasking system.

========================= Contents of Disk 177 =========================

This is disk 177 of the freely distributable AMIGA software library.
               Un-Pack this Disk
Below is a listing of the significant directories and their contents.

ASpice   A version of the SPICE 2G.6 circuit analysis program
             which has been modified to run in the Amiga environment.
             The program arrays are adjusted to require one forth the
             memory of the DEC VAX version. Although this does not
             usually put much of a constraint on circuit analysis,
             some users who are used to the full mainframe environment

        may have to be more aware of the memory demands of their
        analysis. Requires a minimum of 1.5 MB memory. This
        version neither supports nor requires the 68020 processor
        or 68881 coprocessor. Binary only.
        Authors: Many, see Documentation

DiskSalv   Version 1.32 of the popular "undelete" and file recovery
        program. Fixes a few bugs apparently found on the version
        1.3 release on disk number 164.
        Author: Dave Haynie

Jask   An intuition-based replacement for the ASK command. Will
        bring up a requester with a message and boolean yes/no
        type gadgets. Version 1.0, includes source.
        Author: John Barshinger

Marge   A simple CLI utility to add a specified number of spaces or
        tabs to the left side of every line in a file. Includes
        source.
        Author: Joel Swank

Path   An interesting concept in path-searching. This program
        contains a path-handler that allows you to selectively
        control or assign your system's search path using script
        files. Includes source.
        Author: Rico Mariani

========================= Contents of Disk 178 =========================

This is disk 178 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AmicForm   Creates a phonebook containing only those areacodes and
        exchanges reachable through PC-Pursuit. Update to the
        version on disk number 157. Works with the new Finalist
        BBS format. Version 1.4, Binary only.
        Author: John Motsinger

BlackBox   The black box is an 8x8 grid in which several "atoms" are
        hidden. Your job is to find the atoms. You have at your
        disposal a ray projector which you can use to send rays
        into the box from any of the 32 spots around the box.
        Binary only.
        Author: Tim Kemp

CIATimer   Two versions of ciatimer routines to provide precise
        timing for applications requiring a high-accuracy
        real-time clock. Includes source and a sample
        executable.
        Author: Karl Lehenbauer, based on the original
              version by Paul Higginbottom

Cosmic   An interstellar multiplayer game of War and Peace. From
        the looks of the documentation file, it appears fairly
        extensive! Version 1.01, includes source.

```
          Author:  Carl Edman


Ls        Version 2.0 of the popular UNIX style directory lister.
          Revised for Lattice 5.0 and made 1.3 compatible.
          Includes source.
          Author:  Justin V. McCormick.


RemLib      Removes a specified library (if currently unused)
          or displays some information about all available
          libraries.  Update to version on disk number 139.
          Version 1.11, includes source in assembler.
          Author:  Heiko Rath


RexxArpLib  Version 2.0 of the rexxarplib.library, which has grown
          considerably, with substantial intuition interface
          support.  Also included is a large number of ARexx macros.
          Author:  W.G.J. Langeveld


========================= Contents of Disk 179  =========================


This is disk 179 of the freely distributable AMIGA software library.
             Un-Pack this Disk
Below is a listing of the significant directories and their contents.



DietAid     Diet planning aid to allow the user to compile lists
          of ingredients (recipes) and automatically compute
          calorie totals, etc.  Update to version on disk number
          36.  Version 3.1, binary only.
          Author:  Terry Gintz


Dmake       Beta release of Matt's version of the UNIX make utility.
          Features multiple dependancies, wildcard support, and more.
          Includes source.
          Author:  Matt Dillion


Excption    Exception is a set of error handling routines that provide
          a programmer with the ability to easily handle often
          difficult to implement routines.  Routines such as no more
          memory, file not open, read/write error....etc.  Version
          0.6, includes source.
          Author:  Gerald T Hewes


KickFont    For A-1000 owners, will permanently replace the topaz font
          on the kickstart disk with a font called "look".  Includes
          a sample in the form of an IFF picture.  Version 3.0, binary
          only.  Also included is Benjamin Fuller's freely
          redistributable 'SumKick' program.
          Author:  Greg Browne


Launch      Sample program showing how you can load and execute a
          program in the workbench environment, then return to the
          CLI.  Includes source.
          Author:  Peter da Silva


Regexp      A nearly-public-domain reimplementation of the V8 regexp(3)
          package. Gives C programs the ability to use egrep-style
```

regular expressions, and does it in a much cleaner fashion
than the analogous routines in SysV. Includes source.
Author: Henry Spencer

TSnip   Very nice "cut and paste" type utility with lots of uses
and functions. Features a pop-up intuition control panel,
multiple font and color recognition, clipboard and pipe
support and a couple of utility programs. Version 1.4a,
source for support programs only.
Author: John Russell

UnixUtil   A few CLI utilities, including some functionally similiar
to the UNIX utilities of the same names. Included are:
Wc, Head, Tail, Tee, Detab, Entab, and Trunc. Descriptions
are given in the included '.doc' files.
Author: Gary Brant
========================= Contents of Disk 180 =========================

This is disk 180 of the freely distributable AMIGA software library.
Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Browser   A programmer's "Workbench". Allows you to easily and
conveniently move, copy, rename, and delete files &
directories from a CLI environment. Also provides a
method to execute either Workbench or CLI programs.
Version 1.6, update to version on disk number 134,
binary only.
Author: Peter da Silva

GeoTime   A couple of interesting "clock" type programs based on the
"Geochron". Observe the earth's shadow scroll across
a map or globe in real-time, based on the system clock.
Version 1.0, binary only, shareware.
Author: Mike Smithwick

GPrint   A black & white graphics print utility for Epson compatible
printers. (The author's letter to me was quite impressive!)
Command-line options allow several different print qualities
and densities. Includes a couple of sample IFF files for
printing. Version 2.03, binary only, shareware.
Author: Peter Cherna

Jed   A nicely done, intuition-based editor that is quite
user-friendly. Features word-wrap, auto-indent, newcli,
alt buffer, split-window, keyboard macro, help, printing,
and more. Version 1.0, binary only, shareware.
Author: Dan Burris

NoVirus   Another Anti-Virus utility. This one features known and
new virus detection, view boot block, save and restore
bootblocks, several "Install" options and more. Written
in assembly. Version 1.56, binary only.
Author: Nic Wilson

RepString Nice little CLI utility to replace any type of string in

                any type of file with another string of any type.
                Version 1.0, binary only, shareware.
                Author: Luciano Bertato

TrekTrivia Very nice mouse-driven trivia type program for Star Trek
                fans. Contains 100 questions with additional trivia disks
                available from the author. Binary only, shareware.
                Author: George Broussard

========================= Contents of Disk 181 =========================

This is disk 181 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AMXLISP   Amiga-ized version of the XLisp interpreter originally
            by David Betz. Version 2.00, includes source.
            Author: David Betz; Amiga work by Francois Rouaix

Bally   Amiga port of the former arcade game named Click. This
            version completely lacks sound effects, which shall
            come in later updates. Version 0.1, binary only,
            shareware.
            Author: Oliver Wagner

Tracker   Useful debugging routines similar in function but more
            versatile to those of "MemTrace" on disk number 163.
            Will track and report on calls to AllocMem(), FreeMem()
            [or lack thereof!] among others. Version 0.0a (Alpha
            release).
            Author: Karl Lehenbauer

========================= Contents of Disk 182 =========================

This is disk 182 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

AMC   "Amiga Message Center". Scrolls a message from a text
          file across the screen on a colorful background.
          Similar to the "greetings" programs developed by
          European Amiga enthusiasts. Version 1.0, binary only.
          Author: Foster Hall

Edimap   A keymap editor. Allows you to read in an existing
          keymap file, modify it to suit your needs, and save
          it as a ready-to-use keymap. Version 1.0, includes
          source.
          Author: Gilles Gamesh

HR136   An IFF file containing a chart showing every possible
          mixture of the sixteen basic palette colors. Also
          included are optimized and monochrome palettes along
          with several tips and techniques for using them with
          various paint programs.

             Author: Dick Bourne

Iconmerger Intuition-based program to take any two brush files
        and merge them into an alternate-image type icon.
        Version 2.0, binary only.
        Author: Terry Gintz

Sam   Another IFF sound player with several command-line
        options. Includes several samples. Version 1.0,
        binary only.
        Author: Nic Wilson

SetFont   Allows you to change the system font with various
        command-line options. Cleans up all known bugs in
        V2.0 released on disk number 75. Version 2.5,
        includes source in C++.
        Author: Dave Haynie

========================= Contents of Disk 183 =========================

This is disk 183 of the freely distributable AMIGA software library.
              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

FixFd   A utility for Amiga assembly programmers. FixFd will
        read a '.FD' file and output a file that can be
        'INCLUDE'ed rather than having to link with the
        colossal 'Amiga.Lib'. Version 1.0, includes source in
        assembly.
        Author: Peter Wyspianski

Mklib   Another example of building a shared library that
        evolved from "Elib" on disk number 87. Also included
        is a library, Edlib, which contains several functions
        not included in the Manx standard libraries. Includes
        source.
        Author: Edwin Hoogerbeets with C-functions from several
             different authors

PCQ   A subset implementation of a freely-redistributable
        Pascal compiler. Supports include files, external
        references, records, enumerated types, pointers, arrays,
            strings and more. Presently does not support range
        types, the 'with' statement or sets. Version 1.0,
        includes source and sample programs.
        Author: Patrick Quaid

========================= Contents of Disk 184 =========================

This is disk 184 of the freely distributable AMIGA software library.
              Un-Pack this Disk
Below is a listing of the significant directories and their contents.

BI   A small brush to to C-code image converter, intended to
        be used from CLI. Version 1.0, binary only.

                    Author: Terry Gintz

CardMaker   A programmer's aid for creating card image data that can
             be used in any card game that uses the standard 52 card
             deck. Version 1.0, binary only.
             Author: Terry Gintz

DPS   Demo version of a program that will allow you to take
         any IFF file and save it as a totally self-contained
         executable file, without the need for any IFF-viewers.
         Version 1.0, binary only.
         Author: Foster Hall

MouseUtil   Intuition based program to allow you to change your mouse
             speed without having to go through preferences. Version
             1.1, includes assembly source.
             Author: Luciano Bertato

Print   Small print utility designed to replace the "copy
             <filename> to prt:" command. Opens a window displaying
             the filename being printed, length, and a status bar
             showing percent completed. Also includes an abort
             gadget. Version 1.0, binary only.
             Author: Luciano Bertato

VacBench   This amusing little screen hack will "clean up" your
             WorkBench screen for you when it gets too cluttered!
             Binary only.
             Author: Randy Jouett

World   A text adventure game similar to the Infocom adventures
             of Planetfall and Starcross. Quite large with a
             tremendous variety of responses. Version 1.02,
             includes source.
             Author: Doug Mcdonald, Amiga port by Eric Kennedy

========================== Contents of Disk 185 ==========================

This is disk 185 of the freely distributable AMIGA software library.
          Un-Pack this Disk

This is a copy of the official November 1988 Commodore IFF disk, sent
to me directly by Commodore for inclusion in the library. The only
changes I made were:

    (1) Placed all the files in the "documents" directory
        into a zoo file "documents.zoo" to free up enough
        space to add my normal distribution files and icons.
        Some of the files on the disk were already in zoo
        format anyway, so this seems like a minor alteration.

    (2) Changed the file "AboutThisRelease" to reflect the
        zoo'ing of the documents.

    (3) Rearranged the icons to make room for my additional
        icons.

```
========================= Contents of Disk 186  =========================
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This is disk 186 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

A68k   A 68000 assembler originally written in Modula-2 in
        1985 and converted to C by Charlie Gibb in 1987. Has
        been converted to accept metacomco-compatible assembler
        source code and to generate Amiga objects. Includes source.
        This is version 2.42, an update to the version on disk 110.
        Author: Brian Anderson; C translation and Amiga work
            done by Charlie Gibb

Cards'O'Rama   A simple game that let's you push your memory. It is played
        with a deck of 32 cards, grouped in 16 pairs. The cards are
        shuffled and then displayed at the beginning of each game.
        Your goal is to pick up as many pairs as you can, until
        there are no cards left on the screen. Version 1.0,
        includes source.
        Author: Werther Pirani

Qt2   A cute program that gives the time the way many people
        actually do, I.E. "it's nearly ten to five". Includes
        source in assembly.
        Author: Charlie Gibb

SimCPM   A CP/M simulator for the Amiga. Simulates an 8080
        along with H19 terminal emulation. Includes source.
        This is version 2.3, an update to version on disk 109.
        Author: Jim Cathey; Amiga port by Charlie Gibbs and
            Willi Kusche

```
========================= Contents of Disk 187  =========================
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This is disk 187 of the freely distributable AMIGA software library.
            Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Diskperf   A disk benchmark program which runs on both Unix and the
        Amiga. This is an update to the version on disk 48, with
        bug fixes and more reliable measurements of the faster
        read and write speeds available under the new Fast
        File System.
        Author: Rick Spanbauer, enhancements by Joanne Dow

HackLite   This is the latest version the Amiga port of Hack,
        with lots of Amiga specific enhancements and neat
        graphics. Now includes an easy to use installation
        program. This is HackLite version 1.0.0, binary only.
        Author: Software Distillery

Mackie   A versatile cli/macro-key initiator based on POPCLI with
        a unique method of "screen-blanking". I won't say more,
        just try it! Version 1.13, includes source. This is

                    an update to version 1.1 from disk 161.
                    Author: Tomas Rokicki

        SetCPU   A program designed to allow the user to detect and modify
                    various parameters related to 32 bit CPUs. Includes
                    commands to enable or disable the text/data caches,
                    switch on or off the '030 burst cache line fill request,
                    use the MMU to run a ROM image from 32-bit memory, and
                    to report various parameters when called from a script.
                    This is version 1.4, includes source.
                    Author: Dave Haynie

========================== Contents of Disk 188 ==========================

This is disk 188 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

        BootIntro   This program creates a small intro on the bootblock of any
                    disk, which will appear after you insert the disk for
                    booting. The headline can be up to 20 characters. The
                    scrolling text portion can be up to 225 characters.
                    Version 1.0, binary only.
                    Author: Roger Fischlin

        DiffDir   Diffdir compares the contents of two directories, reporting
                    on differences such as files present in only one directory,
                    different modification dates, file flags, sizes, comments,
                    etc. Version 1.0, includes source.
                    Author: Mark Rinfret

        ExecDis   A disassembler comment generator program for the 1.2
                    Kickstart ROM exec library image. Generates a commented
                    disassembly of the exec library. Version 1.0, binary only.
                    Author: Markus Wandel

        FastGro   A fractal program, simulating Diffusion-Limited Aggregation
                    (DLA) as described in the December 1988 Scientific American
                    in the Computer Recreations column. This program is about
                    an order of magnitude faster than the "SLO GRO" program
                    described in Scientific American. Version 1.0, includes
                    source.
                    Author: Doug Houck

        FracGen   A fractal generator program that generates fractal
                    pictures from "seeds" that you create. This is
                    unlike any of the other "fractal generators" I've
                    seen. It can be used to load and display previously
                    created fractal pictures, modify existing fractals,
                    or create your own fractals. Version 1.23, binary
                    only, update to version on disk 142.
                    Author: Doug Houck

        MemoryClock A clock program that shows the amount of free fast ram,
                    free chip ram, as well as the time and date. Includes
                    source in assembly code.

                    Author: Roger Fischlin

MinRexx   A simple ARexx interface which can be easily patched into
             almost any program. Includes as an example the freedraw
             program from disk number 1. Includes source.
             Author: Tomas Rokicki

Null   A new dos device that behaves like "NIL:" but unlike
             "NIL:", it is a real handler. This makes it useful
             in lots of situations where "NIL:" cannot be used.
             Version 0.0, includes source.
             Author: Gunnar Nordmark

TextDisplay A text display program, like "more" or "less", but about
             half the size and handles all screen formats (pal/ntsc,
             interlace/non-interlace, etc). Version 1.1, binary only.
             Author: Roger Fischlin

========================= Contents of Disk 189 =========================

This is disk 189 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Mackie   A versatile cli/macro-key initiator based on POPCLI with
             a unique method of "screen-blanking". I won't say more,
             just try it! Version 1.20, includes source. This is
             an update to version 1.13 from disk 187.
             Author: Tomas Rokicki

NetHack   This is part 1 of a two part distribution of NetHack,
             which was too large to fit on a single disk, even when
             zoo'd. Part 2 is on disk 190. Both parts, along with
             zoo to unpack them, are required to use or rebuild
             NetHack. This is version 2.3, and includes source.
             Author: Various; Amiga work by Olaf Seibert

Uedit   Version 2.4g of this nice shareware editor. Has learn
             mode, a command language, menu customization, and other
             user configurability and customizability features.
             Binary only, shareware, replaces beta 2.4g version
             on disk 173.
             Author: Rick Stiles

========================= Contents of Disk 190 =========================

This is disk 190 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

GaryIcons   A collection of more interesting and useful icons.
             Author: Gary Roseman

ILBM2Image Takes an IFF picture and generates a C source module
             which can be compiled and linked with your program to

                display the picture with the intuition DrawImage
                function. Binary only.
                Author: Denis Green

NetHack   This is part 2 of a two part distribution of NetHack,
                which was too large to fit on a single disk, even when
                zoo'd. Part 1 is on disk 189. Both parts, along with
                zoo to unpack them, are required to use or rebuild
                NetHack. This is version 2.3, and includes source.
                Author: Various; Amiga work by Olaf Seibert

========================= Contents of Disk 191 =========================

This is disk 191 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

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 1.4, an update to the version
                released on disk number 84. Includes source.
                Author: Tomas Rokicki

Blk   A requester making tool employing various recursive
                algorithms including a recursive parser. It takes input
                text files and converts them to C-source for including as
                requester declarations. This is an update to the version
                released on disk 152, with many enhancements. Includes
                source.
                Author: Stuart Ferguson

FileBootBlock   This simple little program reads blocks 0 and 1 of a
                bootable disk and saves them as a program file that can
                be run (heaven forbid) or disassembled by programs like
                DIS or DSM. Includes source in assembly code.
                Author: John Veldthuis

ISpell   A port of a Unix version of a freely distributable
                screen oriented, interactive, spelling checker.
                This is an update to the version released on disk 54,
                with enhancements by Tomas Rokicki. Version 2.0.02,
                includes source.
                Author: Pace Willisson; enhancements by Tomas Rokicki

Pz15   Computer version of those cheap plastic puzzles with
                15 white tiles numbered 1 through 15 and an empty square
                in a 4 by 4 arrangement. This one is more challenging
                since you can't solve it by just prying out the pieces.
                Includes source.
                Author: Mike Hall

========================= Contents of Disk 192 =========================

This is disk 192 of the freely distributable AMIGA software library.
                  Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Eval   This package allows you to manipulate expressions.
           Currently its two main functions are evaluation and
           differentiation. It also does some basic simplifica-
           tions (based on pattern matching) to make the result
           of a differentiation more presentable. Includes source.
           Author: David Gay

PacMan87   This is a nice little "pacman like" game with some new
           features like fire pits, stabbing knives, electric arcs
           and flame throwers, that must be avoided. Has three levels
           of difficulty, easy, medium, and hard. Sounds can be
           toggled on or off. Keeps a record of the top ten scores.
           Shareware, binary only.
           Author: Steve Jacobs and Jim Boyd

ReSourceDemo   A demo version of ReSource, an interactive disassembler
           for the Amiga. This is a complete version except that
           the "save" features have been disabled. Version 0.36,
           binary only.
           Author: Glen McDiarmid

========================== Contents of Disk 193 ==========================

This is disk 193 of the freely distributable AMIGA software library.
                  Un-Pack this Disk
Below is a listing of the significant directories and their contents.

KeyMapEd   Allows you to change the KeyMaps used with SetMap.
           This is a full featured editor providing support for
           normal, string and dead keys. The keyboard represented
           is from an A2000/A500 but it is fully compatible with
           A1000 keyboards. Version 1.02, includes source.
           Author: Tim Friest

Zc   This is a modified version of the Sozobon C compiler
           from disk 171. It has been modified to generate code
           compatible with the A68k assembler from disk 186 and
           a new frontend control program makes it easy to use
           like the UNIX "cc" frontend. Version 1.01, includes
           source.
           Author: Johann Ruegg; Amiga work by Joe Montgomery

========================== Contents of Disk 194 ==========================

This is disk 194 of the freely distributable AMIGA software library.
                  Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Moria   A single player dungeon simulation. The object of the
           game is to defeat the Balrog, which lurks in the deepest

            levels of the dungeon. You begin at the town level above
            the dungeon, where you may acquire supplies, weapons, armor,
            and magical devices by bartering with various shop owners,
            before descending into the dungeon to do battle. Amiga
            enhancements include pull down menus, graphics mode, pickup
            mode, a continuous move mode, a real time mode, a message
            wait time mode, as well as other modifications to improve
            overall playability and to take advantage of the unique
            features of the Amiga. Version 3.0, binary only, requires
            at least 1Mb of memory.
            Author: Robert Alan Koeneke and others. Amiga version
                 by Richard Henderson and others.

========================= Contents of Disk 195 =========================

This is disk 195 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

MicroEMACS Version 3.10 of Daniel Lawrence's variant of Dave
            Conroy's microemacs. This is an update to the version
            released on disk 119. New features include multiple
            marks, more function key support, a better crypt algorithm,
            and end-of-word command, a command line switch for setting
            environment variables, new hooks for macros, a command
            to strip trailing whitespace, internationalization
            features like foreign language message support, horizontal
            window scrolling, much faster search algorithm, Amiga
            intuition support, and more. Includes source and extensive
            online documentation.
            Author: Dave Conroy, MANY enhancements by Daniel Lawrence

========================= Contents of Disk 196 =========================

This is disk 196 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

HamPics   These are some of the most stunning digitized pictures
            yet for the Amiga. They were scanned at a resolution
            of 4096 by 2800 pixels, 36-bits per pixel, on an
            Eikonix 1435 slide scanner, cropped, gamma corrected,
            scaled, and converted to Amiga IFF HAM files. They are
            displayed with a special ILBM loader that handles
            overscan HAM images. Includes source for the display
            program.
            Author: Jonathan Hue

========================= Contents of Disk 197 =========================

This is disk 197 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

CTags   Create a tags file from the specified C, Pascal, Fortran,
           YACC, lex, or lisp sources. A tags file can be used
           by a cooperating editor to quickly locate specified
           objects in a program's source code. Berkeley version
           4.7, includes source.
           Author: Ken Arnold, Jim Kleckner, and Bill Joy
                 Ported to Amiga by G. R. (Fred) Walter

Find   Find is a utility which searches for files that satisfy
           a given boolean expression of attributes, starting from
           a root pathname and searching recursively down through
           the hierarchy of the file system. Very much like the
           Unix find program. Version 1.2, includes source.
           This is an update to version 1.0 on disk 134.
           Author: Rodney Lewis

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. New features
           include an interactive mode to select where each DATA or
           BSS hunk will load into memory, support for overlays,
           support for AC BASIC compiled programs, and support for
           new hunk types as used by "blink". Version 2.1, binary
           only. This is an update to version 1.2a on disk 36.
           Author: D.J. James

Nro   Another roff style text formatter. This is version 1.5,
           an update to the version released on disk 79. New features
           include generation of ANSI/ISO codes for bold, italics, and
           underline, more than one formatting command on a line,
           longer macro names, and many more formatting commands.
           Includes source.
           Author: Unknown, posted to usenet by Alan Vymetalik
                 Many enhancements by Olaf Seibert

Stevie   A public domain clone of the UNIX 'vi' editor. Supports
           window-sizing, arrow keys, and the help key. Version
           3.35a, includes source. This is an update to version
           3.10a on disk 166.
           Author: Various, Amiga work by G. R. (Fred) Walter

========================= Contents of Disk 198 =========================

This is disk 198 of the freely distributable AMIGA software library.
               Un-Pack this Disk
Below is a listing of the significant directories and their contents.

Charon   Charon is Bradley's entry for the First Annual Badge
           Killer Demo Contest. The text of the demo was written
           by Lord Dunsany (long before the Amiga). Bradley
           created the illustrations and animation. The sound
           track is a traditional Scottish tune "The Arran Boat".
           Author: Lord Dunsany (1915), Bradley Schenck (1988)

========================= Contents of Disk 199 =========================

This is disk 199 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

ASimplex   An implementation of the Simplex algorithm for solving
            linear programs. It uses the standardized MPSX-format
            for input data files. Version 1.2, includes source.
            Author: Stefan Forster

Csh   Version 3.02a of a csh like shell derived from Matt
         Dillon's shell, version 2.07. Includes many new or
         improved commands, some bug fixes, etc. Includes source.
         Author: Matt Dillon, Steve Drew, Carlo Borreo, Cesare Dieni

MIDIsoft   A program to transfer sound samples between the Amiga
            and a Roland S-220. Version 1.0, binary only.
            Author: Dieter Bruns

Pyro   A screen blanking program that goes beyond the normal
            blanking process. When there are no input events, pyro
            takes over and starts a little fireworks display in
            color. Version 1.1, binary only.
            Author: Steve Jacobs and Jim Boyd

SnipDemo   Demo version 1.23 of signal processing program sold
            by Digital Dynamics. Binary only.
            Author: John Hodgson

Viewer   A very small program for displaying IFF pictures
            of any resolution. This one is written in assembly
            code and is only 988 bytes long. Binary only.
            Author: Mike McKittrick

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This is disk 200 of the freely distributable AMIGA software library.
                Un-Pack this Disk
Below is a listing of the significant directories and their contents.

NotBoingAgain   This is Dr. Gandalf's entry for the First Annual
        Badge Killer Demo Contest. It is an interlaced
        HAM animation with nicely integrated sound effects.
        It is a great visual pun on the original Boing
        demo, but to say anymore would ruin the effect.
        Binary only, requires 1 Mb of memory.
        Author: Dr. Gandalf (Eric J. Fleischer, MD)

Tank   This is Vincent's entry for the First Annual Badge
        Killer Demo Contest. It is an animation of a
        "fishtank simulator", with sound effects and a cute
        twist. Binary only.

Author: Vincent H. Lee