07c6b268-0

**COLLABORATORS**

| | TITLE : <br><br> 07c6b268-0 | | |
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| WRITTEN BY | | August 24, 2022 | |

**REVISION HISTORY**

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# Contents

# Chapter 1

# 07c6b268-0

## 1.1   Welcome to Skimmer

```
             Skimmer -- Clean out your LIBS: directory!
 ==========================================
```

Skimmer is a tool that helps you locate stray shared libraries that are no
longer in use by any programs on your computer. It does so by searching your
mounted hard drives and examining anything looks like an Executable file,
including other libraries.

```
        ~Description~~
          More thorough description of the program

        ~Requirements~
          What you need to run this program

        ~Limitations~~
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        ~Installation~
          How to install the program

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          How to register this program

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```

```
        ~Bugs~~~~~~~~~
          Known Bugs and how you can help

        ~Disclaimer~~~
          Legal mumbo-jumbo
```

## 1.2  Introduction

```
 Introduction
 ============
```

All things considered, AmigaDOS is a fairly easy operating system to manage.
If you've used a Mac or Windows you know exactly what I mean. Things are
arranged logically on the Amiga, with stuff stored in places that make
sense, for the most part. Users of other operating systems are not so
fortunate.

On the other hand, there is one area where it is difficult to keep things
tidy, and that's shared libraries.  Shared libraries, for the uninitiated,
are simply collections of sub-programs that can be used by any other program
that is programed to use it.

These shared libraries make things really easy on a developer, but as you
use your Amiga you tend to collect a lot of these little suckers. For
example, my A3000 that has been in constant use since it was new has over
140 libraries in LIBS:.  Many of those are not used, or are used by programs
I no longer need to keep anyway.

Under Windows (I am "blessed" with it at work), I came across a program
called Clean Sweep that went through every program and helped isolate unused
libraries (DLL files). This was more or less the inspiration for Skimmer.

Skimmer concentrates on libraries, that being the primary source of
"pollution" on the Amiga. It collects a list of libraries that you have in
LIBS:, then scans all files that might be executables.  When it is done
scanning your hard drives, you may be left with a list of leftover libraries
that you can then delete or archive.

A certain amount of control is afforded to you;

    o  Configurable filters, causing Skimmer to skip files with certain
       extensions (e.g. LHA, LZX, ZIP, etc.).

    o  Configurable "Keepers" list allowing you to protect certain libraries
       from deletion or archiving, even if they are completely unused.

    o  Configurable list of drives to scan, allowing you to skip over drives
       that contain no programs, thus saving time.

The nature of Skimmer is such that it need only be used once in a while,
perhaps annually for the average user. You may use it more often, of course.

## 1.3   Requirements of Skimmer

```
Requirements
============
```

o AmigaDOS 2.1 or later

o 2 MB of free RAM is recommended for starters.  The larger your hard
  drives, the more memory will be used to store information about them.

o While it is not required, this program is pretty useless without
  a hard drive.

o ReqTools.library version 38 or later (included).

This program has been tested under varying conditions, including:

   o  68000, 020, 030, 040, 060

   o  ECS, AGA, CyberGraphics, Retina, and Picasso display systems

   o  FastFileSystem up to V44.5

   o  A2000, A3000, A4000, A4000T, A1200, and A500

   o  OS 2.04, 3.0, and 3.1

## 1.4   How to Install Skimmer

```
                Installing Skimmer
 ==================
```

The Amiga Installer is used for your convenience. Installer V43 is required
to use the supplied Installer script, but you may install it without using
the installer script.

To manually install:

   o  Copy Skimmer and its icon wherever you like it.

   o  If you wish to use the online help, copy Skimmer.Guide (icon
      optional) to the same directory that you place Skimmer in.

   o  If you have reqtools.library installed, verify it is V38 or later
      by typing the following in a shell:

      VERSION reqtools.library FULL

      If it reports something less than V38, copy libs/reqtools.library
      to LIBS:.

Skimmer will create its own keyfile (when you
                register

```
                ) and prefs file in
its home directory. It will also create a directory called "Archive" in its
home directory if you choose to archive unused libraries. All reports
default to the home directory as well.
```

## 1.5  Using Skimmer

```
                Using Skimmer
 =============

When you run Skimmer the first time, you must configure a few basic
preference settings into the program, the most important being the

                hard~drives
                 to scan. Until they are configured, Skimmer will not perform a
scan. Other settings are optional, but you will get best results if you take
the time to configure Skimmer to best suit your system and your needs.

For your convenience, the HD prefs window will pop up the first time you run
the program.

Besides the HD Prefs, you also have the option to set the file~I/O~buffer to
a size that is most efficient for your system and configure filters that
will automatically skip over files with certain
                extensions
                .

Two notes about windows:

  o  Skimmer saves the size and position of every window it uses. If you
     resize or move a window while using Skimmer, the changes will be
     automatically saved when you exit the program.

  o  The layout engine used to construct the GUI automatically resizes
     a window to fit the gadgets used if the original window is too
     small. This may appear confusing at first. All you need to do
     is resize or move the window once to fit your needs, and this
     artifact will go away.

Once configured, Operating Skimmer is extremely simple -- hit the START
button and it will begin to examine every file on each selected drive. This
operation will take a considerable amount of time, the duration which
depends on how many drives you have, how big they are, and other speed
enhancements you may have on your system.

During this process, the main window will update you on the status of the
scan, showing the current directory, percent completion of the scan, the
number of files examined, the number of files skipped, and so on. Quite
festive and busy.

"Friendly" programs can continue normal operation during the scan, although
there will be noticable drag on the system as thousands of files are opened
and examined and lists are built and maintained.

When the scan is complete, a list of unused libraries is presented to you
```

for possible deletion or archiving. You can also examine a list of libraries
that appear to be in use on the system, with a tally of how many programs
use them as well as links to a list of the actual files that contain
references to them.

For more detailed information on the controls for Skimmer, please see the

                     reference~section
                     .


## 1.6  How to register Skimmer

```
 How to Register
 ===============
```

Skimmer is shareware. Please support the shareware concept! If you find this
program to be of value to you, consider registering it. Besides giving me a
warm fuzzy for a job well done, it will encourage me to do more nifty tools
for the Amiga. I see this as a "good thing." :-)

Registration is $10.00 US. Any bugfix releases are of course also included
-- I wouldn't make you pay to have bugs fixed. What am I, Microsoft? :-)

Registration is accomplished by typing in a code that I will give you. Every
registration is different, so I have no problem sending the information via
email, netmail, or snail mail.

At this point we are not yet accepting electronic registrations, but we are
looking into possible avenues to allow it to happen.

Send registration fee to:

   Jeff Grimmett
   11367 Bootes St
   San Diego, CA  92126
   USA


 ------------------------------------------------------------------------------
                          Skimmer Registration
 ------------------------------------------------------------------------------
               (send this in with your registration fee)
 ------------------------------------------------------------------------------


    Name: _____


    Preferred method of Registration:

       ( ) Email    Address: _____


       ( ) Netmail  Address: _____


       ( ) Postal Service$^1$:

```
        Address: _____


        City: _____


        State/Prov: _____  Postal Code: _____


        Country: _____
```

```
     ------------------------------------------------------------------------
                        Thank you for registering!!
     ------------------------------------------------------------------------
```

   ALL INFORMATION GATHERED IN THE PROCESS OF REGISTRATION IS ABSOLUTELY
   CONFIDENTIAL AND SHALL NOT BE DISCLOSED TO ANYONE.

```
     ------------------------------------------------------------------------
```

$^1$ You should provide a postal address on the off chance that your netmail
   or email address bounces. If we receive a bounce message, we will send
   the registration code via postal mail. Failure to include this address
   on the registration form puts your registration at considerable risk.


## 1.7  Complete reference to Skimmer Controls

```
                Reference Section
     =================
```

Skimmer consists of a number of interface windows wrapped around the basic
search engine. Each window has a specific purpose.


```
            Main~Window~~~~~~~~~~~~~~
              This is the entry way into the program and from
                        where you control it.


            Drive~Selection~Window~~
              Select which drives to scan


            Extensions~Filter~Window
              Designate file extensions belonging to files that
                        should not be examined


            Keepers~Window~~~~~~~~~~
              Designate files that you never want to delete


            Library~Report~Window~~~
```

Report on libraries (after a scan)


## 1.8  Release Notes


```
 Release Notes
 =============
```

Some random ramblings about this program for anyone that is interested.

 o This is the first time I ever tried AmigaGuide as an online help
   system. I was suprised to learn that context-sensitive help is NOT
   supported in V37 of the operating system. It's a minor annoyance,
   and I have working code to add it, but at the cost of program size.
   In the end I decided it wasn't really worth the size to have a seperate
   help page for every gadget.

 o This is a resizable GUI without the use of MUI or BOOPSI or anything
   else wierd or wonderful.

   The GUI was generated using a neat program and link lib called GenGui
   by Matthias Meixner. It even offers the ability to make the GUI
   font-sensitive. Developers of Amiga products that want resizable GUIs
   should investigate this on AmiNet and give Matthias the positive
   feedback he deserves.

 o While GenGUI enables one to do wonders with just GadTools, there are
   a few unfortunate limitations to GadTools that made it impossible to
   implement what I wanted in the various lists, nor to provide the
   kind of keyboard support I wanted, without adding excessive amounts
   of code.  I plan eventually on migrating to Class Act interface.  This
   may occur as a free upgrade, or it may be part of a more advanced
   Skimmer.  I do not know which at this time.

 o I really wembled on using ReqTools with this package.  In the end
   I elected to as ASL does not provide useful string requesters, and
   I really needed them to do what I wanted with the Filters and
   Keepers lists.

 o ROM-based libraries are not taken into account. After all, you can't
   eliminate them, so why worry about them?

 o I make no pretentions about the search engine being perfect. I am sure
   there will be a hole or two in the early releases, which I will fix
   as soon as I am made aware of them.

   The search engine is simple: it first uses the filters to eliminate
   any unwanted files, then looks at the first 4 bytes for the "executable"
   signature, $03F3. If this is found, the file is assumed to be an
   executable and it is loaded into memory.  The amount of memory used
   depends on your prefs.

   There are occasions where a boundary condition will exist. ie, the last
   4 bytes of the first buffer might be "dos.li" and the first few bytes
   of the next may be "brary".  To avoid problems with this, Skimmer
   rewinds the file by 40 bytes after reading in a full buffer. AmigaDOS

limits file names to 30 bytes, so we have a 10 byte fudge factor. If
future versions of AmigaDOS allow a longer file name, Skimmer will
of course be adjusted to suit.

Skimmer looks for the key signature "library" after a ".", then
backtracks to the first printable character to get the full library
name. This is the riskiest part of the search engine, but thus far it
has not caused any problems.

o  After we started the beta cycle on this program, a program called
   ResourceManager popped up on AmiNet that advertised to do much the
   same thing.  A bit bug-ridden, but these things get fixed. I did find,
   however, that it doesn't do exactly the same thing, or at least
   it never got that far for me :-)

## 1.9  About the author (as if you cared)

```
Credits
=======

The Production Crew         Jeff Grimmett
                            Holly Sullivan


The Full On Beta Crew       Asha Develder
                            Chris Bailes
                            Dale Frameli
                            Dave Cook
                            Erik Van Petersen
                            Guido Van Bercum
                            Jeff McKee
                            Thomas Newsom
                            Ted Wallingford


GUI provided by             Matthias Meixner (GenGUI)$^1$
                            Magnus Holmgren (ReqTools)$^1$
                            Nico Francois (ReqTools)$^2$


Technical Consultants       Some guy on c.s.a.programmer
                            Arto Huusko
                            Ed Musgrove
                            Micheal Van Elst
                            Bob Koon
                            Douglas Mclaughlin


Soundtrack by               Electric Light Orchestra
                            Blues Traveller
                            The Travelling Willburys


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

$^1$ Contact me to get a registered copy!

$^2$ If you still have an Amiga, contact me for a registered copy!
```

## 1.10   History of Changes

```
History of Changes
==================


Changes are listed in REVERSE CHRONOLOGICAL order


Version Date        Change
======= =========   ================================================
```

## 1.11   Bugs

```
 Known Bugs and how you can help
 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

As of this writing, only one serious bug is known to exist in this version
of Skimmer, and it's a difficult one to track.  On some systems, Skimmer may
crash with a software error once it starts to scan the hard drive.  Running
Enforcer may stop this from happening.

One lead I have is that it appears that turning off the instruction cache on
040 and 060 systems clears the problem. If that's the case, it's a matter of
turning off the instruction cache before running Skimmer, which is a minor
pain but temporary, since you shouldn't run Skimmer out of WBStartup or
something like :-)

IF you have this failure, please fill out the information below and send it
to me by email or whatever means is most convenient. This information will
go into a database and be checked against all other systems that have the
same failure.

If you do NOT see this failure, and you use an AGA machine, OS 3.x, OR use
an 040 or better processor, your information might also be useful in
eliminating the problem.

There is a lottery involved.  Participants in this bug hunt will be eligible
for a free registered copy (applying appropriate bogosity filters).

Of course, also send bug reports of unrelated bugs that might have slipped
past the beta testers.

```
=========================================================================
                      SKIMMER BUG REPORT
=========================================================================


System Model (A500, A2000, etc) _____



CPU    ____ 68000    ____ 68010    ____ 68020    ____ 68030    ____ 68040



       ____ 68060    ____ Other _____
```

MMU?  ___ Yes  ___ No      FPU?  ___ Yes  ___ No

PPC?  ___ Yes  ___ No


If 68040:   Version of 68040.library$^1$ _____


            Type of accelerator? _____


If 68060:   Version of 68060.library$^2$ _____


            Type of accelerator? _____


Version of KickStart$^3$ _____   Version of Workbench$^3$ _____

Version of SetPatch¢  _____   Version of FastFileSystem _____

Are you using NSDPatch?  YES _____    NO _____


Memory _____ MB FAST  _____ MB CHIP


Graphics System

    ___ OCS      ___ ECS     ___ AGA     ___ AAA

    ___ CV64     ___ CV64/3D ___ Picasso

    ___ Other (describe) _____


 ==========================================================================
                  Your help is appreciated!
 ==========================================================================

   ALL PERSONAL INFORMATION GATHERED IN THE PROCESS OF REPORTING
   BUGS IS ABSOLUTELY CONFIDENTIAL AND SHALL NOT BE DISCLOSED TO
   ANYONE.
 --------------------------------------------------------------------------
   $^1$  Type VERSION 68040.library FULL in shell
   $^2$  Type VERSION 68060.library FULL in shell
   $^3$  Type VERSION in shell
   ¢  Type VERSION SETPATCH FULL in shell

## 1.12  The Main window

```
                    The Main Window
 ===============
```

This window is the central nexus of the program and enables you to execute
any function in Skimmer with just a few mouse clicks. The left half of the
window is given over to indicators only, while the controls are arrayed down
the right side of the window.

At the bottom of the window is one indicator marked STATUS, showing various
things that are going on at the time. The most useful information is
gathered from it during a scan, however, as it displays the current
directory Skimmer is in at the time.

The other indicators, in order of appearance, are:

```
    UNCLAIMED LIBS    This indicates how many libraries exist on your system
                      that have not yet been matched up with an executable
                      of some sort.

    PROGRESS          During a scan, this shows the approximate percentage
                      of your hard drives that have been scanned. You're
                      done when it is at 100%.

    FILES EXAMINED    During a scan, this is a running count of how many
                      files have been processed by Skimmer, including all
                      files that are excluded by filters.

    FILES SKIPPED     During a scan, this is a running count of how many
                      files were skipped over because they matched the
                      criterea of one of your filters.

    DATA RATE         This is an approximate number indicating how many
                      bytes per second Skimmer is processing. The higher
                      the number, the better your performance.  You can use
                      this number as a guide to optimize your memory buffer
                      settings.
```

The controls are broken into two categories: those that affect preferences
settings, and those that do not.

```
    START (S)         This button initiates a scan of your hard drives. It
                      will be ghosted out until you have set up which hard
                      drives to scan.

    ABORT             This button will abort a scan once started.
                      It is ghosted until a scan is started.

    REGISTER          This button is only used once, and that is to enter
                      your
                  registration~code
                   to unlock the disabled features
                      of the unregistered version. Once you have registered
                      it, this button is perpetually ghosted.
```

```
    REPORT (R)          Upon completion of a scan, Skimmer automatically
                        presents a
                report
                 to you, but if you want to go back
                        and look at it again, this button will take you there.

    QUIT (Q, X)         Causes Skimmer to shut down and exit. If you have
                        changed preferences, you will be prompted to save them
                        or not.

The Preferences settings

    DRIVES (D)          This button opens the
                Drive~Selection
                 window. Using
                        it, you tell Skimmer which drives to scan and which to
                        avoid.

    FILTERS (F)         This button opens the
                Filter
                 window. Using
                        it, you tell Skimmer which filename extensions should
                        be excluded during a scan.

    KEEPERS (K)         This button opens the
                Keeper~Filter
                 Window. Using it,
                        you tell Skimmer of any libraries that you want to
                        exclude from the search, no matter how many files use
                        or do not use them.

    BUFFER (B)          This sets up how much memory Skimmer will use when
                        loading a file into memory before examining it. A
                        large buffer works best for large files, but is less
                        efficient for smaller files. The minimum is 5000
                        bytes. To optimize performance, you should adjust this
                        to render the highest data rate possible.  You will
                        find that there is a window between big and small that
                        will work best for you (on my system, it's 10000).

    SAVE (V)            Although it is not really needed, many beta testers
                        expressed dis-ease at not having a "save prefs"
                        control available. For peace of mind, this will cause
                        the current preferences to be written to disk.
```

## 1.13  Hard Drive Preferences

```
 Drive Selection Window
 ======================
```

This window is used to set up which drives are scanned by Skimmer. You must
have at least one drive selected before Skimmer will allow you to execute a
scan.

When you first run the program, the program will execute a check of all
drives.  All valid AmigaDOS partitions will be presented to you, including
CDs that are mounted and present, floppies that are present, and even
pseudo-disk file systems like FMSDisk by Matt Dillon.

Selected drives are presented with a "+" in front of them, unselected drives
with nothing in front of them. You toggle selection on or off by clicking on
the drive name.

The drive list is sorted on the name of the device, not by the label of the
drive (e.g. "HD0:", "HD1:" rather than "Games:", "Work:").

Two controls are provided for bulk selection and deselection (SELECT ALL (A)
and SELECT NONE (N)). These controls are disabled in the unregistered
version.

If a new dos device has been added to or removed from your system, hitting
RESCAN (R) will cause Skimmer to go out and find out what's there.

Hitting CANCEL (C, X, Q) will close the window without saving changes.
Hitting DONE (D) will save them.


## 1.14   File Extensions Filter

```
                Filter Window
 =============
```

This window is used to tell Skimmer that certain file extensions are not to
be examined during a scan, as these files are guaranteed (or very unlikely)
to be executables that require a particular library.

Skimmer will always open and examine at least the first 4 bytes of every
file it finds unless you tell it that certain files are not viable
executables and therefore any library references in them would be bogus.

Consider an LHA archive.  This archive may or may not contain references to
a library, but since it is compressed, there is no way to find this out, and
thus loading this file into memory and checking it would be a waste of time.
Adding "LHA" to the extensions filter will ensure that this file is passed
over quickly.

To add a new extension to the list, you click on ADD (A). You will be asked
to enter the extension you wish to filter (leading period is optional) and a
description that will help you remember why you added it in the first place.
Hitting CANCEL any time through the process will abort the entry.

You can remove an extension by selecting it and then clicking on REMOVE
(R).

You can also edit an already-existing extension by clicking on it and then
selecting EDIT (E).

To save any changes, you click on DONE (D).  To lose all changes, click on
CANCEL (C, X, or Q).

For more information on useful filter settings, see

                    Suggested~Filter~Settings
                      .


## 1.15  Keepers Window

```
Keepers Window
==============
```

This window is used to tell Skimmer that certain files not to be eligible
for deletion whether or not something's using them. This is to cover the
possibility of libraries that are not directly referenced by programs, but
can be configured for use by those programs.

The most common instances of this are the XPR series of file transfer
libraries, XPK series of file compression libraries, XEM series of terminal
emulation libraries, and so on.

This does not affect how Skimmer searches for files, but it does affect how
the files are presented to you after the scan.  Any file marked as a Keeper
will be protected from deleting no matter how many programs refer to it (or
more to the point, how many programs do NOT refer to it).


To add a new keeper to the list, you click on ADD (A). You will be asked to
enter the file pattern you wish to filter and a description that will help
you remember why you added it in the first place. Hitting CANCEL any time
through the process will abort the entry.

The file pattern uses standard Amiga file pattern matching conventions. For
example,

    XPR?Modem.library

would match XPRZModem.library and XPRXModem.library, but not
XPRFTS.Library.

    XPR#?.library

would match any library with XPR in the first 3 positions.

You can remove a keeper by selecting it and then clicking on REMOVE (R).

You can also edit an already-existing keeper by clicking on it and then
selecting EDIT (E).

To save any changes, you click on DONE (D).  To lose all changes, click on
CANCEL (C, X, or Q).


## 1.16  The Library Report

```
Library Report Window
=====================
```

This window pops up after you have completed a scan. It is a multi-purpose
window, in that it reports on (a) unclaimed libraries, (b) libraries in use,
and (c) all libraries. This window may also be recalled after a scan from
the main window.

Along the left side is a window showing a list of libraries.

   o  If you are viewing FREE libraries only, clicking on it will toggle
      the library's selection on and off (a selected library has a "+" in
      front of it).

   o  If you are viewing USED or ALL libraries, clicking on this list will
      pop up a list of files that actually refer back to it. The library
      name itself is preceded by a number indication how many programs
      referred to it.

      If you are viewing ALL libraries, any library that was designated
      as a "Keeper" will be marked with a "K" rather than a number. Of
      course, if it actually got used by something, this will be the
      count of actual uses.

Along the right side of the window is a number of controls:

 DISPLAY TYPE       These buttons switch the mode of the window to the right.
                    FREE LIBS shows only libraries that were found to have
                    nothing referring to them. LIBS IN USE shows what
                    libraries are actually referred to by other programs,
                    gives a count on how many "hits" were made, and allows
                    you to view which programs actually refer to it.  ALL
                    LIBS does the same thing, except it also includes the
                    free libs and keepers in the list.

 SELECT ALL         These two gadgets allow you to select all the libraries,
 SELECT NONE        or select none, if you are viewing free libraries. They
                    are ghosted out if you are in ALL LIBS or LIBS IN USE
                    modes.  These gadgets do nothing in the unregistered
                    version.

 DELETE SELECTED    Allows you to delete all selected libraries. It is only
                    active when in FREE LIBS mode. Any libraries deleted are
                    lost forever!  This gadget is inactive in the
                    unregistered version.

 ARCHIVE SELECTED   Allows you to archive all selected libraries. If is
                    only active when in FREE LIBS mode. Any libraries
                    archived are stored in a directory named ARCHIVE in
                    Skimmer's directory (Skimmer will create it for you).
                    This function is not available in the unregistered
                    version.

 PRINT REPORT       Prints out a report of all libraries and executables that
                    refer to them.  This report is context-sensitive, in
                    that it will print different data depending on the mode

```
                          you are in.

  SAVE REPORT        Saves out a text report of all libraries and executables
                     that refer to them.  This report is context-sensitive, in
                     that it will print different data depending on the mode
                     you are in. The free libraries are saved in
                     "Skimmer.free", used libraries in "skimmer.used", and all
                     in "Skimmer.report".
```

## 1.17 Suggested Filter Settings

```
 Filter Suggestions
 ==================
```

Filtering options are not effective if you don't use them.  The more files
you can exclude with certainty, the faster a scan will proceed. Here are
lists of known extensions which you may find useful.

If you have suggestions, feel free to email them to me and I'll include them
in the docs for the next release.

```
 Extensions
 ==========

   Extension    Description
   ~~~~~~~~~    ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   C, H, O      C source code and headers, as well as object modules

   DMS          Archived disk

   LHA          LHA archive, LH4 or LH5 format

   LZH          LHArc archive, LH0 or LH1 format

   ZOO          Zoo archive

   README       Aminet README file

   DOC, TXT     Common text file extensions

   ARC          ARC archive

   LZX          LZX archive


 Keepers
 =======

   Pattern          Description
   ~~~~~~~~~~~~~~~   ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   XPR#?.library    External file transfer protocols, often used by
                    Term, Terminus, NComm, and others.

   XEM#?.library    External terminal emulations, often used by Term.
```

```
    XPK#?.library  External compression libraries, used by a number of
                   programs.
```

## 1.18   Limitations

```
 Limitations of the unregistered demo
 ====================================
```

The demo is actually quite functional.  The meat of the program is
completely active, but certain "convenience" functions are disabled. For
example, the unregistered Skimmer will not delete or archive unused
libraries for you -- you can still do it by hand, of course.

Such functions as "Select all" and "Select none" are disabled, meaning that
you have to do more clicking than the fortunate registered people, things
like that. You may be more annoyed than a registered user, but you will
still get full functionality and speed from the demo.

## 1.19   Disclaimer

```
 Disclaimer, and other legal mumbo-jumbo
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   By using Skimmer, you implicitly agree to the following:

   A. Liability

      This program is provided "AS-IS", and subject to change without
      notice.

      Digerati Dreams is not responsible for any damage to your computer
      caused directly or indirectly by Skimmer. You use this software at
      your own risk.

      We STRONGLY urge that backups be a regular part of your computing
      life.

   B. Copyright

      The program Skimmer is copyright ©1998 by Digerati Dreams.

      Reqtools is copyright © by Nico François and Magnus Holmgren, and
      is included with permission.

   C. Distribution

      The unregistered demo of Skimmer may be freely distributed in its
      original form at no cost, or at minimum cost (media, postage, etc).
      The original archive should not be modified without permission
      with the following exceptions:

         o  Translation to another archive format (LZX, etc)

     o  Addition of BBS ads (this practice is discouraged, however)

     o  Addition of ONE FileID.DIZ file (do not accumulate!)

     o  Unarchiving to be placed on collections disks

Permission is explictly granted for distribution via:

     o  AmiNet CD collections

     o  Meeting Pearls collections

Key files and registration information shall not be distributed by
anyone but Digerati Dreams, unless permission is granted IN WRITING.

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