

Unpacker.library Documentation

COLLABORATORS

	<i>TITLE :</i> Unpacker.library Documentation		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		February 12, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	Unpacker.library Documentation	1
1.1	Contents	1
1.2	Unpacker.library Documentation	1
1.3	Unpacker.library Documentation	2
1.4	Unpacker.library Documentation	2
1.5	Unpacker.library Documentation	3
1.6	Unpacker.library Documentation	3
1.7	Unpacker.library Documentation	3
1.8	Unpacker.library Documentation	4
1.9	Unpacker.library Documentation	12
1.10	Unpacker.library Documentation	12
1.11	Unpacker.library Documentation	13
1.12	Unpacker.library Documentation	14
1.13	Unpacker.library Documentation	15
1.14	Unpacker.library Documentation	16
1.15	Unpacker.library Documentation	17
1.16	Unpacker.library Documentation	18

Chapter 1

Unpacker.library Documentation

1.1 Contents

THE UNPACKER.LIBRARY 42.71
by Safe Hex International 20-11-95

We hope you will appreciate our work!

Preface

Introduction

Unpack.library have some new unique features

Unpack.library used in different programs

Unpack.library used from DirectoryOpus

Known crunchers and archive programs

Wanted crunchers

About Safe Hex International

Safe Hex bulletin boards

SHI E-mail addresses

Bug report form

Credits

Finally...

Programming and design
SHI

: Thomas Neumann, ↔

1.2 Unpacker.library Documentation

PREFACE:

The Unpacker and the Unpacker.library program is copyright Thomas Neumann and Safe Hex International. The unpacker is freeware and may be freely distributed as long as no changes are made to the distribution archive.

We hope a lot of Amiga users will benefit from our work. If you have any suggestions concerning improvements or unknown crunchers please let us hear about them!

There are a lot of different programs in the demo drawer the average user can use to unpack files with.

1.3 Unpacker.library Documentation

INTRODUCTION

- . Do you want to use a very easy way to unpack and decrunch all types of files and archives included Lha, Lzx and even DMS!!
- . Do you want a simple and efficient solution?
- . Did you know that no files are safe anymore?
- . Are you aware of the many new trojans and viruses are being distributed hidden in archives and packed files?

If you can answer yes to these questions - please read on! Furthermore you will be able to prevent the spreading of future vira and trojan horses by using our unpacker.library and unpacker program.

1.4 Unpacker.library Documentation

THESE UNIQUE FEATURES DESERVE YOUR SPECIAL ATTENTION

- The SHI unpack.library is a professional high tech package to implement in any program, where you want to use an unpack feature.
 - This library knows a lot of different crunchers, about 130 different crunchers and versions and most remarkable the Lha, Lzx, Lhz, Lharc, LhaSFX, PAK and the DMS packers too.
 - You can implement this library in your favourite utilities
-

like SID, DirectoryOpus or what so ever you like.

- In the package you will find instructions for an easy setup to a already existing program. If you are programmer you can implement the unpacker.library quite free in your own program if you like.

1.5 Unpacker.library Documentation

ATTENTION

Remember to install a RAD: if you want to use the DMS from the unpacker program to a ramdisk!! You can also use DF0: if you want.

1.6 Unpacker.library Documentation

PROGRAMS WHICH ARE USING OR CAN BE USING THE UNPACKER LIB TODAY

- . Directory Opus, SID, or what ever DirUtility where you want to implement the using of this unpacker program
- . Xtruder a new excelent viruskiller special for BBS and harddisk use made by Martin Wulffeld, Denmark.
- . Virus Scanner an excelent viruskiller for harddisk use made by Gabriele Greco, Italy.
- . AntiCicloVir an excellent viruskiler made by Mathias Gutt, Germany
- . Virus Checker an excellent and very popular virus killer made by John Veldhuis, New Zealand.
- . Exotic Ripper in the near future :) It's the most ultimative module ripper today made by Mark "Marley" Leitiger and René "Turbo" Trolldenier, Germany.

1.7 Unpacker.library Documentation

USE FROM DIROPUS

If you want to setup a button in DOpus 4.x, you just have to install the unpUnpack program from the demo drawer. Then you just have to do the following things:

- 1) You have to create a button anywhere you want.
 - 2) Enter the Edit mode.
 - 3) Select a new entry and set the type to AmigaDos.
 - 4) Now set the string to this: unpUnpack {O} PATH="{d}" and press return.
-

5) Now you only have to set these flags:
CD Source
Output Window
Rescan Destination

Now you should have a button. You can select one or more files and press the button and it will unpack the files to the destination directory (the other filelist).

You can also use the unplist program. Just make another button, maybe the right mouse button on the first button. The difference from the other button is:

1) The string has to be: unplist {0}
2) You have to set these flags:
CD Source
Output Window

Oh.... did you remember to install the unpacker.library in the LIBS: dir??

1.8 Unpacker.library Documentation

KNOWN CRUNCHERS AND ARCHIVE PROGRAMS

Here is a list over all the crunchers the library can determine and unpack so far. The first number in the brackets, are the library version where this decruncher was implemented. The Second number are the length of the cruncher (decrunched).

ARCHIVE CRUNCHERS:

=====

Dms (36.30/64640)

Decrunchers are taken from DmsWin 1.11

Can decrunch the following formats:

- None
- Simple
- Quick
- Deep (There are a bug in this decruncher)
- Heavy1
- Heavy2

Dms Encrypted (36.30/64640)

Lha/Lharc (34.0)

LhaSFX (34.0/14884)

Lzx (41.60)

P-Compress (42.70/34164)

There is a little bug in this decruncher. If the file is packed with a version of P-Compress less than 2.0, it will say the data is corrupted. This is because the file format is a little bit different from the newer versions of P-Compress. I hope I can fix this bug.

PAK 1.0 (34.0/4500)

SINGLE FILE CRUNCHERS

=====

ANC-Cruncher (36.30/1452)

Black & Decker 2.0-2.1 (34.20/4628)

This cruncher is a clone of the ByteKiller 1.3!!

Bob Cruncher 1.b (42.70/11796)

This cruncher is a clone of the TNM Cruncher 1.1!! He has only changed it to use VD0:

ByteKiller 1.2-1.3 (34.20/3344)

ByteKiller 1.70 (42.70/3156)

This cruncher is a clone of the ByteKiller 1.3!!

ByteKiller 2.0 (34.20/3788)

ByteKiller 2.03 (42.70/6340)

This cruncher is a clone of the ByteKiller 1.3!!

ByteKiller 3.0 (34.20/2248)

ByteKiller Pro 1.0 (38.40/7600)

ByteKiller Pro 1.0 Killer (38.40/7600)

Chryseis Cruncher 0.9 (42.70/13020)

Cop-Pack 1.0 (42.70/5672)

This cruncher is a clone of the ByteKiller 1.3!!

Crunch Master 1.0 (34.20/3216)

Crunch-Mania 1.4-1.91 (34.20/42108)

Crunch-Mania 1.8-1.91 Huffman (34.20/42108)

Crunch-Mania 1.8-1.91 Library (34.20/42108)

Crunch-Mania 1.8-1.91 Library/Huffman (34.20/42108)

Crunch-Mania 1.4-1.91 Simple (34.20/42108)

Crunch-Mania 1.4-1.91 Address (34.20/42108)

Crunch-Mania 1.9t-1.91 Address/Huffman (37.32/42108)

Crunch-Mania 1.4-1.8 Address/Professional (34.20/23524)

Crunch-Mania 1.9t-1.91 Address/Professional (37.32/42108)

Crunch-Mania 1.9t Address/Professional/Huffman (37.32/41932)

Crunch-Mania 1.91 Address/Professional/Huffman (42.70/42108)

Crunch-Mania 1.4-1.91 Data (34.20/42108)

Crunch-Mania 1.9t-1.91 Data Encrypted (42.70/42108)

Crunch-Mania 1.8-1.91 Data/Sample (34.20/42108)

Crunch-Mania 1.9t-1.91 Data/Sample/Encrypted (42.70/42108)

Crunch-Mania 1.8-1.91 Data/Huffman (34.20/42108)

Crunch-Mania 1.9t-1.91 Data/Huffman/Encrypted (42.70/42108)

Crunch-Mania 1.8-1.91 Data/Sample/Huffman (34.20/42108)

Crunch-Mania 1.9t-1.91 Data/Sample/Encrypted (42.70/42108)

Crunch-o-Matic 1.0 Data (42.70/29472)

Crunch-o-Matic 1.0 Execute (42.70/29472)

Crunch-o-Matic 1.0 Module (42.70/29472)

Crunch-o-Matic 1.0 Picture (42.70/29472)

Crunch-o-Matic 1.0 Text (42.70/29472)

Defjam 3.2-3.6 (34.20/13780)

Defjam 3.2-3.6 Pro (34.20/13780)

Discovery File Imploder 1.0 (36.31/5264)

Double Action 1.0 (34.20/32048)

DragPack 1.0 (34.20/6592)

DragPack 2.52 (38.40/14248)

DragPack 2.52 Data (38.40/14248)

FlashSpeed 1.0 (37.32/4124)

GnuPacker 1.0 Data (34.0/57176)

GnuPacker 1.0 Object (34.0/57176)

GnuPacker 1.1-1.2 Object One Segment (34.0/59028)

GnuPacker 1.1-1.2 Object Two Segment (34.0/59028)

GnuPacker 1.1-1.2 Data (34.0/59028)

High Pressure Cruncher (34.20/6936)

High Pressure Cruncher Unlinked (34.20/6936)

House 1.4 (RSI-Packer) (34.20/5180)

HQC Cruncher 2.0 (36.31/9544)

IAM Packer 1.0 ATM5 (34.20/21772)

IAM Packer 1.0 ATM5/Data (34.20/21772)

IAM Packer 1.0 Ice (34.20/21772)

IAM Packer 1.0 Ice/Data (34.20/21772)

Imploder 1.0-3.1 (34.11/74536)

Imploder 1.0-3.1 Protected (34.11/74536)

Imploder 1.0-3.1 Overlaid (42.70/74536)

Imploder 1.0-3.1 Overlaid Protected (42.70/74536)

Imploder 1.0-3.1 Library (34.11/74536)

Imploder 1.0-3.1 Library Protected (34.11/74536)

Imploder 4.0 (34.11/133704)

Imploder 4.0 Overlaid (42.70/133704)

Imploder 4.0 Library (34.11/133704)

ISC 1.5 Pass 1 (34.20/15648)

ISC 1.5 Pass 2 (34.20/15648)

ISC 1.5 Pass 3 (34.20/15648)

LightPack 1.5 (42.70/1420)

Master Cruncher 3.0-3.1 (34.20/14020)

Master Cruncher 3.0-3.1 Address (34.20/14020)

MaxPacker 1.2 (36.30/5564)

MegaCruncher 1.0 (34.20/10846)

MegaCruncher 1.2 Address (34.20/17196)

MegaCruncher 1.2 (34.20/17196)

This is a very bad cruncher, because it make some wrong lengths in the hunk header. Therefore will the library try to decrunch the file as an object file, but if it fails, an error will be returned.

P-Compress Data (37.32/34164)

See P-Compress above for bug report.

PackIt 1.0 (34.20/45908)

PackIt 1.0 Data (34.20/45908)

PHD (42.70/5540)

PMC (36.30/3432)

PowerPacker 2.x (34.0/53660)

PowerPacker 2.3 Master (40.55/53660)

PowerPacker 3.0 (34.0/64956)

PowerPacker 3.0 Encrypted (34.0/64956)

PowerPacker 3.0 Overlay (34.0/64956)

PowerPacker 3.0 Master (42.70/64956)

PowerPacker 3.0 Master Encrypted (42.70/64956)

PowerPacker 3.0 Master Overlay (42.70/64956)

PowerPacker 4.0 (34.0/71616)

PowerPacker 4.0 Encrypted (34.0/71616)

PowerPacker 4.0 Overlay (34.0/71616)

PowerPacker 4.0 Library (34.0/71616)

PowerPacker 4.0 Library Encrypted (34.0/71616)

PowerPacker 4.0 Library Overlaid (34.0/71616)

PowerPacker Data (34.0/71616)

PowerPacker Encrypted Data (34.0/71616)

PowerPacker LoadSeg (34.0/71616)

ProPack (RNC) Mode 1 (42.70/28820)

ProPack (RNC) Validate Mode 1 (42.70/28820)

ProPack (RNC) Key Mode 1 (42.70/28820)

The 16 bit key can be entered in either decimal or hexadecimal. If you want to enter it in decimal, just write the number as the password. Hexadecimal you have to write a "0x" or "\$" sign in the beginning of the number. The library will automatic convert to the 16 bit key and give it to the decruncher routine. This is valid for the other key-crunched data too.

ProPack (RNC) Validate Key Mode 1 (42.70/28820)

ProPack (RNC) M68000 Mode 1 (42.70/28820)

ProPack (RNC) M68000 Validate Mode 1 (42.70/28820)

ProPack (RNC) M68000 Key Mode 1 (42.70/28820)

ProPack (RNC) M68000 Validate Key Mode 1 (42.70/28820)

ProPack (RNC) Data Mode 1 (42.70/28820)

ProPack (RNC) Data Key Mode 1 (42.70/28820)

ProPack (RNC) Mode 2 (42.70/28820)

ProPack (RNC) Validate Mode 2 (42.70/28820)

ProPack (RNC) Key Mode 2 (42.70/28820)

ProPack (RNC) Validate Key Mode 2 (42.70/28820)

ProPack (RNC) M68000 Mode 2 (42.70/28820)

ProPack (RNC) M68000 Validate Mode 2 (42.70/28820)

ProPack (RNC) M68000 Key Mode 2 (42.70/28820)

ProPack (RNC) M68000 Validate Key Mode 2 (42.70/28820)

ProPack (RNC) Data Mode 2 (42.70/28820)

ProPack (RNC) Data Key Mode 2 (42.70/28820)

Relokit 1.0 (34.20/7952)

S-Exec 1.1 (38.40/7900)

SoundTracker Packed Song (42.70/2084)

Spike Cruncher (34.21/6920)

Stone Cracker 2.70-2.71 (36.30/5804)

Stone Cracker 2.70-2.71 Kill (36.30/5804)

Stone Cracker 2.92 (37.32/4944)

Stone Cracker 2.99 (37.32/5712)

Stone Cracker 2.99c-2.99d (34.1/5188)

Stone Cracker 3.00 (39.51/9640)

Stone Cracker 3.00 Kill (39.51/9640)

Stone Cracker 3.00 Data (39.51/9640)

Stone Cracker 3.10 (36.30/11740)

Stone Cracker 3.11 (34.1/11516)

Stone Cracker 4.00 (34.21/10836)

Stone Cracker 4.00 Data (34.21/10836)

Stone Cracker 4.01 (34.21/20736)

Stone Cracker 4.01 Address (34.1/20736)

Stone Cracker 4.01 Data (34.21/20736)

Stone Cracker 4.01 β Address (38.40/20692)

Stone Cracker 4.02 (36.30/13720)

Stone Cracker 4.02 Library (36.30/13720)

Stone Cracker 4.02 Address (36.30/13720)

Stone Cracker 4.02 Data (36.30/13720)

Stone Cracker 4.10.2-4.10.3 (38.40/31984)

Stone Cracker 4.10.2 Library (38.40/31908)

Stone Cracker 4.10.3 Library (42.70/31984)

Stone Cracker 4.10.2-4.10.3 Address (38.40/31984)

Stone Cracker 4.10.2-4.10.3 Address/Plain (38.40/31984)

Stone Cracker 4.10.2-4.10.3 Address/Professional (38.40/31984)

Stone Cracker 4.10.2-4.10.3 Data (38.40/31984)

Super Cruncher 2.7 (34.21/6772)

Supplex Cruncher (42.70/17100)

This cruncher is a clone of the MegaCruncher 1.2!!

Syncro Packer 4.6 (34.21/5456)

Syncro Packer 4.6 Professional (34.21/5456)

Syncro Packer 4.6 Raw (34.21/5456)

Syncro Packer 4.6 Raw/Professional (34.21/5456)

TetraCrunch 1.02 (34.1/4684)

TetraCrunch 1.1 (34.1/5400)

TetraPack 2.1 (34.1/7212)

TetraPack 2.1 Pro (34.1/7212)

TetraPack 2.2 (34.1/7480)

TetraPack 2.2 Professional (34.1/7480)

TFA Cruncher 1.54 (38.40/12652)

Time Cruncher 1.7-2.2 (34.1/5648)

Tip Cruncher 1.1 (42.70/11796)

This cruncher is a clone of the TNM Cruncher 1.1!! I think he just have changed the name, because the size of the cruncher are the same!!!

Titanics Cruncher 1.1 (34.1/110508)

Titanics Cruncher 1.2 (34.1/117284)

TNM Cruncher 1.1 (34.21/11796)

Trash Eliminator 1.0 (38.40/55476)

TryIt 1.01 (34.1/10828)

TUC 1.16d (42.70/21268)

TurboSqueezer 6.1 (37.32/6536)

TurboSqueezer 8.0 (34.1/10560)

TurboSqueezer 8.0 Small (34.1/10560)

Turtle Smasher 1.3-1.41 (34.1/12108)

Turtle Smasher 2.00 (36.30/23640)

Turtle Smasher 2.00 Data (36.30/23640)

Ultimate Packer 1.1 (38.40/55360)

XPK (40.55)

XPK Encrypted (40.55)

1.9 Unpacker.library Documentation

WANTED CRUNCHERS (18-09-95)

BinHex 4.0 .HQX (Not only one file type is recognized)

Bytekiller 1.0

Compacker+ V4.2

Crunch-O-Matic V1.1

DefJam Cruncher 1.0

Diskcruncher

DragPack 1.1

DRAGPACK 2.25 Pro

Dr Dobbs Data

FCG 1.0

Freeway 0.7

HQC-Cruncher 1.0

HQC-Compress

Kompress (only txt.)

LeCrunch

LzHuf

LZW Compressor

Mastercruncher by PVL

Mega Crunch (not same as next)

Mega Crunch 1.0

Mega Cruncher R

Mega Cruncher 1.0

RDM-Packer (Data=RDM, Executable=Compress)

SUP

TetraCrunch 1.2

Time Cruncher 1.2

TWPACK 2.1 Data

TWPACK Pro 1.0 Data

Ultimate Cruncher 1.16

Ultimate Packer 1.1b

1.10 Unpacker.library Documentation

HOW TO HELP YOUR SELF

We need your support too! - concerning new viruses and crunchers for new future updates.

We are thinking that you can see how important your support is too if you are using one of the following programs, which are using our anti-virus.libraries:

- . Virus Checker by Johan Veldthuis
- . Virus Scanner by Gabriele Greco
- . Fides Professional by John Lohmeyer
- . DMS by ParCon Software
- . Virus Info Base by Safe Hex International
- . D-Copy by Stefan Bernbo
- . X-Copy by Cachet Software (commercial)
- . Xtruder BBS virus killer by Martin Wulffeld
- . MT-Copy by Gert-Jan Strik
- . Harboot virus analyser by Martin Harbo
- . Bootwriter by Ralf Thanner
- . DMSChecker by Martin Wulffeld
- . AntiCicloVir by Mathias Gutt

ATTENTION: ARE YOU USING SOME OF THE ABOVE PROGRAMS, YOU HAVE OF COURSE INTEREST TO HELP US, SO WE WE CAN HELP YOU TOO. THEREFORE REMEMBER TO SEND ALL NEW VIRUSE TO SHI FOR FUTURE UPDATES.

THANK YOU VERY MUCH AND REGARDS

1.11 Unpacker.library Documentation

ABOUT SAFE HEX INTERNATIONAL

If you know a virus programmer you can get a reward of \$ 1000 for supplying his name and address. The fact is that the law punishes data crime very severely. (5 years in jail in most countries).

We are an international group with more than 500 members who have started trying to stop the spread of virus. Let me give you some example:

- . Our organisation "Safe Hex International", SHI, is a grass roots movement, which started in 1987 with Amiga computers. Today we are an organisation with around 600 members, who are all more or less involved in our work.
- . The SHI motto is: "Safe Hex", who dares do anything else today?

- . SHI run non-profit, based on friendship and fairness.
- . A virus bank containing more than 1800 Amiga and PC viruses for supporting good shareware antivirus programs.
- . We help people to get money back lost by virus infection.
- . We write articles about virus problems for about 20 computer magazines worldwide.
- . We release the newest and the best virus killers around from wellknown programmers worldwide.
- . We have more than 35 PC and Amiga "Virus Centers" worldwide where you can get free virus help by phoning our "Hotline", and get the newest killers translated in your own language at very little cost reflecting the Fred Fish prices.

For more information contact:

SAFE HEX INTERNATIONAL	(Please send 2 "Coupon-Response
Erik Loevendahl Soerensen	International" and a self address-
Snaphanevej 10	sed envelope, if you want infor-
DK-4720 Praestoe	mation about SHI by letter).
Denmark	
Phone: + 45 55 99 25 12	
Fax : + 45 55 99 34 98	

1.12 Unpacker.library Documentation

SAFE HEX INTERNATIONAL BULLETIN BOARD SUPPORT

- * PROGRAMMER'S RESORT - SHI Main BBS
SysOp: Alex Holst

ZyXEL: 45-98380575 ISDN: 96869090

We hope to be running V34 soon...

Login as 'Guest' with password 'Guest' for easy download of viruskillers and anonymous upload of vira.

- * DAN BBS is one of the best and biggest BBS in Europe
CoSysOp: Anti-Virus PC & Amiga: Erik Loevendahl

Server: 486DX2-66, 32mb-RAM, Adaptec 2842VL
Micropolis 1528+4110 (Micro2:86127799)
Total harddisks: 4.3 GIGA,
2/8 Giga Sony DAT streamer

CD-Server: 386-40mhz,4MB, 18 CD's online
ISDN workstation: 386-40mhz, 4MB, TELES

Total 14 GB on-line
(More than 30 PC's in system)

Linie 1	payment line	42643990	V-Fast 28.8
Linie 2		43628230	ZyXEL/v32bis
Linie 3		43627750	ZyXEL/v32bis
Linie 4		43625880	ZyXEL/v32bis
Linie 5-19	payment lines!	4362XXXX	ZyXEL/v32bis
Linie 20		42643827	V34/VFC 28.8
Linie 21		43621655	VFC 28.8
Linie 22+23		43661070	ISDN

DAN BBS fax: 42643357 Group 3

What to do:

Do you wish to contact our SHI free anti-virus areas for uploads of new virus or download of the newest SHI anti-virus stuff type:

"Guest", "Guest" (for free files), and "V" (for the SHI anti-virus free area)

* IDENTITY UNKNOWN BBS
(Swedish SHI support)

SysOp Andreas Johansson

BBS: +46-(0)36-187803 VFC 28.8, Running CNet

IF YOU HAVE A MODEM PLEASE SEND NEW VIRUSES AND CRUNCHERS DIRECT TO OUR BBS WITHOUT YOUR HELP THERE HAVE BEEN NO VIRUS KILLERS TODAY, BE QUITE SURE!

Always the newest anti-virus stuff and a lot of texts concerning data security. You are welcome, to get any virus problem solved by our worldwide virus "HOT-LINE" if you contact some of our local virus centers too.

1.13 Unpacker.library Documentation

SAFE HEX E-MAIL ADRESSES

- Alex Holst Internet support : ilg@dc5101.aalborges.dk

- Lars Stockholm, SHI Packet Radio support : OZ1GYQ@OZ4BOX.SAX.LOL.DNK.EU

- Andreas Johansson, swedish SHI support : andreas_johansson@aug.s.se
- Erik Loevendahl, Virus AmyNet support : 39:141/127.17
- Thomas Neumann, the unpack.lib programmer: E-Mail: tax@fiol.nbrock.dk

1.14 Unpacker.library Documentation

BUG REPORT FORM

If you happen to find a bug in the unpacker library please fill out the bug report form below and send it to me. Please be sure to have read this documentation before jumping to any conclusions.

> Cut here <

```

-----
                                BUG REPORT FORM                                DATE:
-----
NAME:
-----
ADDRESS:
-----
COUNTRY:                                PHONE:
-----
WHICH PROGRAM:                            VERSION:
-----

YOUR MACHINE CONFIGURATION (use Sysinfo):
-----
1.  Amiga 500                                Amiga 600                                Amiga 1000
    Amiga 2000 A                            Amiga 2000 B                            Amiga 2000 C
    Amiga 2500                                Amiga 3000                                Amiga 4030
    Amiga 1200                                Amiga 4040

2.  1/2 MB chipmem                            Fat Agnus (old) 8371 A
    1/1 MB chipmem                            Big Agnus (Fatter) 8372 A
    2/1 MB chipmem                            ECS Agnus (Hires) 8372 B
    Fast RAM                                Total RAM

3.  Denise (old) 8362                            ECS Denise (new) 8363

4.  Kickstart 1.2                            Kickstart 1.3                            Kickstart 2.0                            Kickstart 3.0
    Softkick ??

5.  Special Boards and like (e.g. AT-Card, Action Replay, Turbo Card):
-----

```

6. How old is your Amiga?
7. Where did you get unpacker.library?

Details of the bug:

Guru code:

The name of the unknown cruncher:
(Remember to send this unknown cruncher too, if.. possible)

> Cut here <

We are really hope you can use this library. See also the Unpack.IFF file to see how to construct your program.

Please remember if you find any bugs in the library or if you have some crunchers there are not implemented in the library, please send a bug report or the crunchers to me, thanks! See in the "WantedHelp" for more info!

WE NEED YOUR HELP TO GET THIS LIBRARY EVEN BETTER, THANK YOU VERY MUCH!

1.15 Unpacker.library Documentation

THANKS AND CREDITS

A great big :) thank you to the following persons involved with this Unpacker.library project

- Alex Holst, for this english translation and beta tests.
- Kim Borbjerggaard Jensen, for sending new viruses to SHI
- Andreas Johansson, for all his new trojans.
- Frederik Elmquist Sweden for his virus and cruncher support.
- Erik Løvendahl, Denmark for all his idears and this guide
- Amdi Petersen, Denmark for all his crunchers
- Mats Nymann, Sweden for his reports about new trojans.
- Mark Pemberton, England for all his crunchers.
- Jouni Korhonen Finland for all his crunchers.
- Mark "Marley" Leitiger, Germany for all his crunchers.
- Bjørn Reese, Denmark for the C include files.
- François GOSSET, France for telling me about the PowerPacker Master mode.

and our beta testers: Allan Holst, Kim Hansen.

WITHOUT THESE PEOPLE THIS PROGRAM WOULD NOT HAVE BEEN WHAT IT IS TODAY!

1.16 Unpacker.library Documentation

FINALLY..

Thomas Neumann Member of the SHI Anti Virus Group.
Kongensgade 78
3550 Slangerup
Denmark

Internet: tax@fiol.nbrock.dk
