

BootX News ii

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BootX News

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# **Chapter 1**

# **BootX News**

# 1.1 NewUpdates!

BOOTX RECOG VERSION 2.25 36.152 BYTES

Programmer Brian Ipsen, Text Alex Holst

MADE BY SAFE HEX INTERNATIONAL 27-08-95 We hope you will appreciate our work!

Read this about PGP

The new viruses in this update

BootX knows the following viruses

Why this new update by Safe Hex International

Thanks to Peter from all of us

SHI need your help for futher locale support

Viruses wanted for new bootx updates

Emergency BBS hot-line to SHI

Thanks list corncerning BootX

How to get in contact with SHI

Safe Hex International address list

Attention dear Amiga friend!

### 1.2 About PGP

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This 2.25 update was done by Brian Ipsen. From version 2.23, SHI has been using PGP signatures so that you can ensure you actually have a valid version of the BootX Recog file.

We hope to spread this to more products, as time goes by.

Here is Brian Ipsen's PGP keyfile:

```
----BEGIN PGP PUBLIC KEY BLOCK-----Version: 2.6ui (Amiga)
```

mQBNAi+Va2gAAAECAMXzzI52OGeq1IJuL9IaHBIy5mWK3xMlN2leRljTuLNj0LmU FZL23uhA1ZxQLynTBGY9EsS1N6uC8C9zU+iUNnUABRe0JUJyaWFuIElwc2VuIDwy OjIzOC82Ny45N0BmaWRvbmV0Lm9yZz6JAJUCBRAvltUzNXtJ81XF9A0BAUwhA/0Q c0lpjGfh4KcMsIxBy59Oa7I9WSmbxN2dapgdedUR/5GqkEjSkwJNvIZ141BWi2Fz iiVQUywEt0Y9m3Wcm1TC6tBZxqDqttNiknG+aoAh4nxKq14yUgjjpEDg2MYcucuz bYJ04taF7ACBZJaCaVFBDc7IfcJd5oFh1yaG6VzStokAlQIFEC+V4Q25Th8ecu7i 7QEBfkgD/0Z1MA26KwDkd8MvCWZmDZZoGe9bA16A3Mlk2svIp2iA63idRVphdGVA bmM0iCnYVWV4vswO+eBtXZj8WfGY3Ds/ryt2z8jYEVgQyRmr/BSZtHHJp8hVEMCM ATKHRRUHWPdJl/m7sDXOxuNmhudx+6eEq8XTXwiwFNzOa1F8Eo8w =g9i2

----END PGP PUBLIC KEY BLOCK----

### 1.3 NewUpdates!

THE BOOTX RECOG VERSION UPDATE 2.25 KNOWS THESE NEW VIRUSES:

Asshole

Beethoven

BigBen

Jinx

Pestilence

# 1.4 NewUpdates!

THE BOOTX RECOG IN UPDATE KNOWS THESE VIRUSES TOO:

ABC Viruskiller

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A.H.C. virus

Amiga Fanatic

Antichrist

Access Forbidden boot virus

A.I.S.F. Interlamer trojan bomb

BadBytes Inc. 2

BootX Killer

BootX Killer Installer

Cascade ID92 boot virus

CCHacker

Circle of Power

Cracker Exterminator

Creeping Eel boot virus

Creeping Eel boot virus bug corrected

Dark Avenger

Descriptor 3.0 Trojan

Devil SCA Strain

Detlef boot virus

Digital Dream virus installer

Digital Dream boot virus

Dum II Dum boot virus

Eleni Clock virus

European Disaster

Exorcist

Fat Stinkbomb 1

FMFOJ XJSVT V2.2, X-Copy 8.5 trojan

Fred Choen boot virus

Fuck Device

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Fuck infector (ModemCheck)

Golden Rider

Guardians Boot Aids

G-Zus 0.01 a damage program

Hochofen

IconDepth

Indiana Jones

Infector

Influenza

Ingo Return

Irak 3

Khomeini

Lame Game

Laureline Male and -Female

Leviathan file + boot virus

LZX 1.30

Mad 3b

Menem

Message Acid Link Virus

Mutilator

O.M.S.A.

Overkill

PayDay

Plastique

RastenBork

Red Ghost

Sao Paulo

Satan

Selpultra 2.26 file virus

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Sentinel boot virus

Sinmut

SuperNova Killer

Starcom 1

Starcom 5

Telecom

Thaho8 2.0 Virus boot virus

TTK Virus boot virus

Wahnfried ATTENTION PLEASE:

For futher informations about viruses please use the Virus Info Base (VIP) an excellent Safe Hex Hyper database with explanations and IFF screen dumps containing several hundreds descriptions of all the Amiga viruses.

### 1.5 NewUpdates!

ABC VIRUSKILLER

ABC viruskiller is just another bootvirus. When you boot with an infected disk, the screen flashes briefly.

Haven't been able to provoke a DisplayAlert but, in the bootblock you can read the following:

Viruskiller/Detector V1.01 A ABC Production Warning: Disk contains a Virus!

Left Mousebutton: Kill the Virus, Right Mousebutton: Continue

Disk contains an old Viruskiller

This is a virus(killer???)

### 1.6 NewUpdates!

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#### A.H.C. VIRUS

The A.H.C. virus is anordinary boot block virus which infects by using Kickstart 1.3. The virus can damage your harddisk block 0-1

If you are booting with an A.H.C. infeced disk the virus copies itself (always) to the same chip-address \$7FA00. Then it sets the CoolCapture to the virusvalue to stay resident.

Furthermore the virus patches the DoIO()-Vector to infect other disks. The virus gives out the following DisplayAlerts if you are booting with another disk. Here are some examples:

Hello, A.H.C. speaking here!!!
PRESS RIGHT BUTTON

For a good Fuck... A.H.C.! I'm the A.H.C.-VIRUS I control your computer!!!PP Ein dreifaches Mitleid für AtariST A.H.C. (hahaha)

Many parts of the virus were stolen from the Sherlock Antivirus.

### 1.7 NewUpdates!

AMIGA FANATIC

This bootvirus is an Anti Harald Paulsen/twin clone. Timebomb offspring, harmless actually.

### 1.8 NewUpdates!

ANTICHRIST LINK VIRUS

Antichrist is a link virus clone of the Travelling Jack 3. The virus add  $2400\,$  - or  $2404\,$  bytes to the length of an infected file.

The texts like "Antichrist" aren't visible in the

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virusfile.(Coded with a eor-loop). Antichrist creates
message\_files on disks (and HD!)

Attention: This virus is only dangerous for kickstart 1.2 and 1.3 users.

### 1.9 NewUpdates!

ACCESS FORBIDDEN

This one display a picture at boot time. It then modifies the disk boot sector. And then it makes the disk to a "not a DOS disk". The picture shows an access forbidden logo. This is the reaction of Access forbidden being run with Kickstart 3.0.

### 1.10 NewUpdates!

#### A.I.S.F. INTERLAMER TROJAN BOMB

The virus preted to be a viruskiller and opens a title bar in the top of the screen with the name:

"VIRUS-CHECKER V6.72 by A.I.S.F. !!!"

The lenght of the virus is 8708 bytes. This virus can't infect (that means no spreading), but is a damage program (bomb). After infection you will get a display alert with the following text:

CRIME DO NOT PAY !!!
WHY ARE YOU SWAPPING ILLEGAL SOFT?
BECAUSE YOU ARE A CRIMINAL!!!!
AND BE SURE:
WE (A.I.S.F.) WILL GET YOU!
(A)NTI
(I)ILLEGAL
(S)WAPPING
(F)OUNDATION
-PRESS MOUSE TO CONTINUE-

ATTENTION:

Don't press the mouse beacuse this will start the heads of your disk drive and lock your keyboard. The heads will start going crazy like a motorboat and the result can be damaged disk and mabe a defective disk drive if you are very unluckey.

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The only way to minimize the damage is to switch off the main switch as soon as possible.

### 1.11 asshole

ASSHOLE

This little peice of software is a bootblock virus. It overwrites the original bootblock and in the bootblock you can read the following in poor english:

```
1994 IT'S NOT A TRICK.... IT'S A ASSHOLE !!! 1994
```

Ohhhhhh! Yeahh! Shitheads out there here is the fuckiest asshole you have ever seen YES! I hate all shitheads! but i love suckers thiZ SuXX! This SHITY booooootblooockckck! was made by the asshole sucker (Nnew Update: 13 5 1994)!! ThiS thiNG was especially done for the GERMAN SCENE around Baden-Baden!!

You would think these programmers were good at something right? Well.. english isn't one of them! To remove use BootX and simply install a system bootblock.

### 1.12 NewUpdates!

BAD BYTES INC. 2

The BadBytes 2 virus is a ordinar boot virus called Anti Harald Paulsen or Twins virus. In fact the the BadBytes 2 is another TimeBomb 1.0-Clone.

The BadBytes 2 infect by Kickstarts: 1.2/1.3/2.0

### 1.13 beethoven

BEETHOVEN

This filevirus has an original length of 2608 bytes and it installs itself in startup-sequence. In the file you can read:

```
HAllo! Hier ist Ludwig van Beethoven! Wie geht es euch Hacker da draußen? Bitte laßt mich hier! --> DENN ICH WILL REISEN!! Generation: 4576
```

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Wether or not the generation count is also the infection count is not known, but in this case that is unlikely.

### 1.14 bigben

BIGBEN

This bootvirus only overwrites old filesystem disks. What can I say? Use any viruskiller to install the disk.

### 1.15 BootX Killer

BootX

This bootvirus pretends to be a bootblock installed by BootX. It just overwrites the old bootblock. In the bootblock you can read:

"BootX-Viruskiller by P.Stuer"

It also contains the following text in code:

```
"SOFTWARE_PIRATES RUINED MY EXCELLENT"
"PROFESSIONAL DTP_PROGRAM I REVENGE"
"MYSELF ON THESE IDIOTS BY PROGRAMMING
"VIRUSES THIS IS PERVERSE I BECAUSE I"
"LIKE ASSHOLE_FUCKING I PROGRAM VIRUSES "
"FOR MS_DOS TOO"
```

### 1.16 BootX Killer Installer

BOOTX INSTALLER

This program installs the fake BOOTX virus.

## 1.17 NewUpdates!

CASCADE 2.1 ID92

This bootvirus does not need the trackdisk.device. In the bootblock you can read the following ASCII text: "Cascade V2.1CCount".

By using Kickstart 2.0 and later versions you will probably get a guru.

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. By using Kickstart 1.3 your mousepointer will be transformed into a penis.

### 1.18 NewUpdates!

CALLINGCARD HACKER

\*sigh\* Yet another trojan. This one claims to be a Calling Card Hacker, (ie being able to find vaild calling card numbers). But actually it looks for the file BBS:User.data - and everything changes.

If you load the file into an editor you can see some CON: coordinates and the usual dos.library calls.

### 1.19 Circle of Power

CIRCLE OF POWER

These trojans was spread in the following fake versions of LhA 3.0 and NComm 3.2 which is now detected by Bootx Recog (after unpacking).

Upon start this trojan starts eating of your system directories: Device, S, L and Libs.

All files are replaced with a textfile containing:

CIRCLE OF POWER'95:

There is NO way you can undelete the lost files.

### 1.20 NewUpdates!

CRACKER EXTERMINATOR

The CRACKER Exterminator-Virus is a boot virus, which copies itself always to the same memory-address \$7EA00. It changes the CoolCapture-Vector to stay resident in memory.

If the virus-copy-value reaches 4 the virus executes a Headstep-Routine. This routine can even damage your drives if you're unlucky, so BE CAREFUL.

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In the top of the Bootblock you can read:

"The CRACKER Exterminator"

In the end there is a crypted text, decrypted you can read:

"Hi hacker! your Amiga is infected with a new"

"generation of virus called:"

"The CRACKER Exterminator! made by A:C:C:W"

"[Anti-Cracker-Club-West] have fun you fucking"

"cracker !"

This bootvirus does not need the trackdisk.device. In the bootblock you can read the following ASCII text: "Cascade V2.1CCount".

- . By using Kickstart 2.0 and later versions you will probably get a guru.
- . By using Kickstart 1.3 your mousepointer will be transformed into a penis.

### 1.21 NewUpdates!

CREATOR

This is another Harddisk trashing trojan that has come out recently. There's not really much to say except it formats your harddisk when executed. The archive contains two files plus a doc file.

S:Creator.dat 2880 bytes uncrunched C:Creator.scr 40 bytes uncrunched

The program claims to be able to let you choose how fast your want your harddisks accesstime to be. Ofcourse this is not possible.

### 1.22 NewUpdates!

CREEPING EEL

This bootvirus does not need the trackdisk.device. As soon as the counter reaches the value \$14 you will get the German flag colors on the screen. In the bootblock you can read the following ASCII text:

"Hello Computerfreak. You've got now your first virus The Creeping Eel. Many disks are infected!

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Written by Max of Starlight 29.04.1992 << MAX>>".

Damage: Over writes bootblock. But even worse... this virus can damage your disks or harddisk too. The virus writes garbage in a cylinder on your disks or harddisk. On disks the root-Cylinder will be damaged.

### 1.23 NewUpdates!

CREEPING EEL BOOT VIRUS BUG CORRECTED

Well... you can't win every time. I have got some few rapports saying, that the former BootX recog 1.85 was too good.

Acually you could find some virus, which wasn't virus. Now I think the problems are solved

SORRY, FOLKS!

# 1.24 NewUpdates!

DARK AVENGER B LINK

DarkAvenger link virus patches the Open()-Vector. If the Open()-Vector is used, the virus infects the file, which should be opened. DarkAvenger add 1072 bytes to infected files and infect very different kind of files e.g.: libs, devices, fonts

The virus infect only files over 2000 bytes and less than 100.000 bytes. The virus itself is crypted. The first LW is in the crypted part of the virus. A lot of infected files will make a guru if you run them.

This virus works very like the Infiltrator virus, it saves the 1st Longword of the 1st Hunk at insert a "BSR" to make sure that the virus will be activated every time you start an infected file.

Sometimes (after infections) the virus changes the window title to: "-=- The Dark Avenger -=-". The virus crypts itself with the \$DFF006 register. The DarkAvenger isn't resident. In the decoded virus you

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can read:

"Reminders of the past, fear of the future: SEPTIC SCHIZO!"

ATTENTION: Please always make a backup of the infected file and then try to repair the file !!!

### 1.25 NewUpdates!

#### DESCRIPTOR 3.0

This virus is original spreaden as descr4.0.lha or -z-speed.lha = 3484 bytes, from some pirate BBS'es:

descr4.0.lha 3484 bytes. The new DescriptorV4.0 with new POWER Snap.... Run without Snap in background and you will see the new Powersnap 120 % faster in copy.

Or renamed to the following:

-z-speed.lha 3484 bytes ZENITH MODEM SPEEDER

When unpacked you got a file: descr4.0.exe 7016 bytes (When spread as descr4.0.lha file. I don't know anything about the -z-speed.lha yet)

#### SOME FACTS:

- There is no docs with this file, but the program look like a kind of scene-utility or like.
- . The unpacked "Descriptor 3.0" bomb is 7016 bytes. Please remark IT ISN'T ....the 4.0 version, but a 3.0 version!
- . The "Discriptor 3.0" trojan needs a file named "descriptions.txt" placed in the S/Dir, if not the descriptor will guru.
- . If executed the "Discriptor bomb" will tell, that it need a file called "Snap" in memory or tries to load it from the C/Dir., Don't trust this...
- . In fact you Amiga will get the following command:
   "Delete :#? all"
- . And OH, NO GUESS WHAT.....your whole harddisk or disk will be deleted! (Not formatted)

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This trojan can't infect and be spreaden. It can ONLY DAMAGE IF EXECUTED - A REAL TROJAN!

### 1.26 NewUpdates!

DETLEF BOOT VIRUS

This bootvirus does not need the trackdisk.device. When the virus is active you will get the following message:

Guten Tag.

» Ich heiße DETLEF «

Ich werde Sie in der nächsten Zeit etwas nerven. Gemacht wurde ich von  $\cdot$  M A X .

(You can see again..... an other german lame virus programmer, who are working in the night with the holy spirit and flame, until the police a day will come and catch him)

### 1.27 NewUpdates!

DEVILS SCA STRAIN

Devils is a SCA bootvirus clone. No need for more information. See SCA for more info.

### 1.28 NewUpdates!

DIGITAL DREAM TROJAN

This virus is original spreaden as a powerpacked file 6496 bytes. Unpacked 9960 bytes. DigitalDreams pretend to be a viruskiller for the Jeff viruses, but false don't trust it, it installs a bootvirus.

1. When the Digital Dream is executed you gett a big red cross on a black background and below at the screen you can read:

This is the: Jeff-Viruskiller V2.67 press left mousebutton to continue.

2. Then you get a blue/black text on a grey background in the next screen and the following text:

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Jeff-Viruskiller V.2.67

Please inset a disk in drive 0. Then press left mouse-button to kill Jeff on it.

3. If you don't have an unprotected in this drive you will be asked to remove the write-protection!

But if your disk isn't write-protected, the disk will be infected with the virus long time before you press the left mouse-button!

### 1.29 NewUpdates!

DIGITAL DREAM BOOT VIRUS

This is the bootvirus, which is installed by the Digital Dream trojan. The bootvirus is spreading at kickstart 2.0 and it is a mutation virus. That means the virus is changing it's code every time the virus infects a new disk.

### 1.30 NewUpdates!

DUM II DUM

This virus is not a link virus nor a filevirus, it is not even a true boot virus. It fills about the first 4 sectors of the disk included the 2 boot sectors.

The thing it does on boot-time is that it will allocate memory as low as possible, and then load the sectors 2-4 into that area, from there the virus will infect your other disks.

# 1.31 NewUpdates!

ELENI CLOCK VIRUS

Well...here you have the first virus which affect the internal clock in your Amiga.

Rumors have been heard in several years about a clock virus in the meaning a virus, which could live in your internal clock and survive living by current from the battery in this clock. Of course this isn't

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possible.

Even if you have some few possible bytes in the memory, this memory is all too little for a virus to survive.

The Eleni virus is an ordinary bootvirus, but a quite new nasty type, which have several new features which have not been seen before:

#### WHAT IS HAPPEN

- The first time you are booting with an Eleni infected disk, your second disk drive will start running and the lamp will be active a while. (Of course only if you have a second drive). This virus does not infect if you have kickstart 1.2 or 1.3.
- The 5.th time you boot-up with an infected disk you will get the following screen message in the upper left corner:
  - "\*Eleni\* \*Eleni\* \*Eleni\*"
- Between the 1.st and the 9.th boot-up the internal clock is changed and is set and saved to a new date for every boot-up with an infected disk (A test have given different dates from the years 1924 to 2014.
- The 9.th time you boot-up with an infected disk the clock set and saved to the date to-day + 20 years.
- At the same time all disk drives will start to run periodic and the infected disk(s) will not be executeable. (Before you clear the virus in the memory).
- This very special bootvirus don't overwrites the bootblock, but replace the original bootblock on some other tracks. When the Eleni virus is removed you will get the original bootblock automatic replaced again??? ....What do you mean surprised?
- This virus can even infect a track loader disk (Demos and like). Maybe surprised again?

### DAMAGE

After the 9.th boot-up you will get pseudo checksum errors in all files on your disk. But all these error will disappear again, when you install (remove) the Eleni virus from the bootblock again.

### ATTENTION!

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This Eleni virus can infect your harddisk too, so please be very, careful in the future!

### 1.32 NewUpdates!

EUROPEAN DISASTER

It's a ordinary bootblock virus, which can't infect Amiga with Kickstart >1.3, but will guru if you boot infected disks at kickstart 2.0.

### 1.33 NewUpdates!

EXORCIST

The Exorcist Virus is an ordinary bootvirus. In fact this virus is an Alien New Beat Clone. The virus can only infect Amiga with Kickstart 1.2/1.3

Only the in the bootblock the texts is changed as in the following:

"Dark is the night, and so is your mind! You are now possessed by the SATAN virus! Dial 22304940, and ask for the EXORCIST! "Dominique et spiritus et sanctus" Long live the anti-christ, and please don't forget to turn the lights OFF! Regards from The Exorcist and SATAN!"

## 1.34 NewUpdates!

FAT STINKBOMB 1

The Exorcist virus is an ordinary bootvirus and a clone of the Time Bomb. The virus can only infect Amiga with Kickstart 1.2/1.3/2.0.

This virus is dangerous because it will format the Root-block - (No repair possible).

In the boot block you can read the following in ASCII text:

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STINKBOMB! Fed. Against Toxid Waste greets Feite-Tom The FAT Stinkbomb I - Federation Against Toxid Waste!

EXORCIST

The Exorcist Virus is an ordinary bootvirus. In fact this virus is an Alien New Beat Clone. The virus can only infect Amiga with Kickstart 1.2/1.3

Only the in the bootblock the texts is changed as in the following:

"Dark is the night, and so is your mind! You are now possessed by the SATAN virus! Dial 22304940, and ask for the EXORCIST! "Dominique et spiritus et sanctus" Long live the anti-christ, and please don't forget to turn the lights OFF! Regards from The Exorcist and SATAN!"

### 1.35 NewUpdates!

FMFOJ XJSVT V2.2 (ELENI V2.2) BOOT VIRUS, AND THE X-COPY-66424 TROJAN

WARNING!

This virus is worldwide spreaden together with the X-Copy 8.5 trojan installer program. By a check in the beginning of april-94. X-Copy 8.5 pretend to be version 8.5, but don't trust it actually it is a very dangerous trojan and it contains a quite new nasty boot block virus, which is installed on your disk or harddisk, if you run the X-Copy trojan.

The SHI anti virus group have found this nasty X-Copy trojan version 8.5, 66424 bytes in the file list by 9 of 10 bulletin boards in Scandinavian!

More correct this "FMFOJ XJSVT" boot virus had to be named Eleni 2.2. The programmer have proably readsome books about cryptgraphy or maybe he is studying at an university. You see if you are going 1 step back in the alphabet you get the name: "ELENI VIRUS". This the classic example of cryptgraphy used by the romans people. Thanks to Marco van den Hout, SHI Holland for this interresting tips.

We do not quite know, if a real update of this X-Copy programm exists, but the version, which was spread at the end of the months of marts 94 has length of 66424

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bytes is virusinfected.

First of all the virus was linked with the 4eb9 link then the real BB virus will be started. It patches SumKickData, Doio and Coolcapture. The virus works under Kickstart 2.04 and 3.0.

THE X-COPY 8.5 TROJAN WRITES 2 NEW FILES TO DISK:

- File: C/mount contains a loader, which loads and activates the second file. The first file is 208 bytes long. And makes a file in the C dir, called 'D' the file contains the boot Virus.
- 2. File: Sys:C/d contains the whole bootblockvirus and is 1024 bytes long and in the boot text you can see in ASC II text:

'FMFOJ XJSVT v2.2' and 'C/MOUNT'

I got the X-Copy trojan vira from The Floaters BBS in Sweden, and the SysOp there has lost about 40 mb on his HD, so take care that you don't get this very dangerous vira.

You can remove the virus by deleting the C:MOUNT command (208 bytes) and replace it with a clean MOUNT file from your Workbench disk. But remember to delete the C dir file called  $^\prime D^\prime$ , that is the FMFOJ XJSVT V2.2 boot virus, that Mount has placed there.

Jan Andersen, SHI

SOME TIPS IF YOU HAD GOT A VIRUS INFECTION:

As you probably all know by now there's a new virus around. Some persons have encountered it allready, but I have made some tests with it to find out what it really does. As I'm a sissy I have only tried with a diskbased system, but it might be the same on a HD.

Workbench 2.1 disk, kickstart 2.0 - all files damaged Repaired with using Ami-BackTools rel. 1.02.

### HERE'S WHAT I DID:

1) I installed the Trojan fake X-Copy 8.5 version on a

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Workbench 2.1-Disk, and kickstart 2.0 on my Amiga 2000 and booted with it write protected.

- 2) I copied this disk on to an empty disk with DosCopy + and verify!
- 3) I booted with the copy (write protected) and found: Well, nothing peculiar at first; -) Still nothing when comparing with the "original"!
- 4) I booted with the copy again, but this time write enabled, only to get checksum error. The disk was now un-bootable!
- 5) Booting with "the original", and starting the trojan X-Copy 8.5, I were able to get a dir-scan of the copy. Nothing un-usual! Trying to get a dir-scan in a directory-utility was really a hard job! A lot of checksum-error's came up, and all files were damaged according to the directory-utility and DOS. I only got:

"Checksum error on disk block xxxxx"

Trying to call the C-commands from Shell gave only the same as above, plus: DOS Error 9955

6) Now trying to read the C-dir in a directory-util took something like about 15 minutes (Hooray for Amiga-B)! Trying to salvage files with disksalv gave a GURU:

:Error: 8000 0003 Task: 0023E7F0"

Trying to rescue with AMI-BackTools 1.02 "Analyst" gives the following messages:

Data Block xxxx has been corrupted

Do you want to correct it ? >Fix

The Parent field of data block xxxx is wrong >Fix

The next field of data block xxxx is wrong >Fix

Data block xxxx has been fixed

This above operation takes something like half an hour, but you regain most of the lost data. HOW useable the files are you'll have to try out for yourself!!

Quarterback Tools only tries to convince you to delete the data fileheaders, 'cause they are corrupt!

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THERE'S A COUPLE OF THINGS THAT OUGHT TO WARN YOU:

1. When quitting the fake XCopy you'll most likely only get a black screen. At least I did every time!

2. Check the Version: The real one says e.g. "september 1993". The fake says: "Legend" where the version number ought to be!

Torben Danø, SHI

SOME MORE TIPS:

When the installer program X-Copy 8.5 is started the the mount command will be written and because this file isn't closed the validation can't be activated if the disk or harddisk is FFS formatted and the boot virus block write a OFS formatted boot virus block.

If the disk is FFS formatted the repair tool have some problems to know the filesystem because the boot block is OFS formatted by the virus infection. But the damaged disks and proably the infected harddisks too, can be repaired by using:

Disksalv version 11.27, mode: Salvage

By Bjørn Reese, SHI

Thanks to Johan Sahlberg, Sweden and to The Assassins PD Library, England for sending this virus

## 1.36 NewUpdates!

FRED CHOEN

A ordinary bootvirus, which only infects Kickstart 1.3 Amigas. In the bootblock you can read: "Fred Cohen the university of California"

### 1.37 NewUpdates!

FUCKDEVICE

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The Fuckdevice virus is a bootvirus, but this virus can infect your harddisk too. The virus is able to damage block 2-3, and the data here will be lost, if you get an infection

### 1.38 NewUpdates!

FUCK INFECTOR (MODEM CHECKER)

This virus is original spreaden in a file named MCheck.lha 16.772 bytes, which should pretend to be a modem checker program: "MODEMCHECK V1.1 (07.05.93) Copyright 1993 by Mario Zeltik". But false the Modemcheck program is a trojan, which install a new "LoadWB" the virus itself 3604 bytes.

BootX will recognize the unpacked version (but still CrunchMania packed) 15516 bytes, the unpacked Modem-Checker 22252 bytes and the "LoadWB" containing the virus part, which cause all the damage.

It's very nasty one. The fuck virus, will not activate itself if the SnoopDos is active. This trojan "loadwb" will start the horrible damage, if you don't use your keyboard 10 minutes. After that time your harddisk will be low level formated filling casually all the tracks with: FUCKFUCK... and so on.

The only way to get rid of the Fuck virus, is to delete the ModemCheck program.

\* REMEMBER to delete the loadwb i the c directory too! Here you have a screen dump:

MODEMCHECK V1.1 (07.05.93)
Copyright 1993 by Mario Zeltik. All Rights Reserved

Checking	CTS	LineOk!
Checking	CD	Line Ok!
Checking	DTR	Line Ok!
Checking	RI	Line Ok!
Checking	TXD	Line Ok!
Checking	RXD	Line Ok!
Checking	RTS	LineOk!

(Yes excellent inded?, "Fuck me", but my modem wasn't connected !!!!!!!)

BootX will recognize the unpacked version (but still CrunchMania packed) 15516 bytes, the unpacked Modem-Checker 22252 bytes, and Loadwb 3604 bytes.

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I have got this excellent analyse from Bjørn Rese from the University of Odense, thank you Bjørn!:

Type: File (Trojan) Alias: MODEMCHECK

Origin: Modemchecker in MCheck.lha

Infect: C:LoadWB

SHORT: Destroys contents of harddisks

#### LONG:

MCheck.lha (size: 16772 bytes) contains

Modemcheck.doc (size: 2227)

Modemchecker (size: 15516, version: V1.1 (07.05.93)

Modemchecker is packed with CrunchMania. Unpacked size is 22252 bytes.

Modemchecker is a phony. It pretends to check various modem lines (CTS, CD, DTR, RT, TXD, RXD, RTS), but it reports success no matter what (even if no modem is attached.) When Modemchecker is started it will write the virus to C:LoadWB (new size is 3604 bytes.) Next time C:LoadWB is started (typical at startup) the virus will become active.

The virus in LoadWB launches a new task using CreateProc. The new task is called Diskdriver.proc (stack = 4096, priority = 0). Afterwards it proceeds with the original LoadWB ("\$VER loadwb 38.9 (30.3.92)",10,13,0).

The Diskdriver.proc task is the malicious part. It waits for 30000 ticks (ticks/50 seconds for PAL, equals 10 minutes, ticks/60 for NTSC), when it fills an internal buffer of 150000 bytes (allocated by a BSS section (HUNK\_BSS)) with FUCKFUCKFUCK. It tries to open a file called S:HORSE. If it was successful the virus will gracefully exit, if not it will cause havoc. It will examine all physical devices (dn\_Type = DLT\_DEVICE), and pick out all where (de\_numheads > 2) OR (de\_uppercyl >= 90) OR (de\_blkspertrack > 22)

Then it will write the content of the internal buffer (FUCKFUCK...) on all track from the lowest cylinder (de\_lowcyl) to the highest cylinder (de\_yppercyl) of all selected devices (typical harddisks). When it exits.

#### Observations:

The programming style is pretty clean which indicates a rather experienced programmer. He's probably from Europe (30000 ticks yields exactly 10 minutes by  $50 \, \mathrm{Hz}$ 

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powersupplies.)

S:HORSE seems to be a safety line for the programmer
(and his friends (if he has any :-))

It doesn't destroy ordinary floppy disks.

Destruction is performed at exec.library level (using DoIO)

Notes:

Some uncorrect things have been said about the FUCK virus.

- [1] "The 'LoadWB' that contains the virus is the 2.1 version, so the virus isn't danger for any machine with 1.2 or 1.3."
- [2] "Before the infection begins a couple of tests is run: execversion = 37.132 = KS2.04. If no there's NO infection. The program just stops. This means no danger to owners of A600, A600HD and so on."

Deadly wrong! Even though LoadWB will fail because it requires at least V36 (dos.library) it has already at this point launched the virus, which doesn't require any particular version of the OS. I tested this on 1.2, and the Diskdriver.proc was running.

- [1] "Once installed at the boot Fuck Virus will wait patiently and if not IDCMP message of any type is registered [.....] 10 minutes, it will proceed...""7.
- [3] This trojan "loadwb" will start the horrible damage, if you don't use your keyboard 10 minutes."

The havoc start (provided S:HORSE wasn't found) after approx. 10 minutes (30000 ticks) no matter what IDCMP messages is registered. It doesn't care about user interaction.

[4] Casual filling of the tracks

Data isn't destroyed randomly, but very systematically. From the lowest cylinder to the highest. The reason why it seems random is probably due to the fragmentation of the harddisk.

- [1] FuckVirus.doc by Gabriele Greco, author of FuckChecker (Fuckchck.lha).
- [2] VT.Knows by Heiner Schneegold, author of VT.
- [3] VirWarn-1b by Erik Loevendahl Soerensen.

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[4] Everybody, except me ;-)

Analysed by

Bjorn Reese. SAFE HEX INTERNATIONAL

### 1.39 Golden Rider

GOLDEN RIDER

..is a link virus of 868 bytes. It will stay resident in memory and randomly infect the files you execute. The filesize will increase by 868 bytes.

The early golden rider only infected files smaller than 100.000 bytes. The new one, does not consider filesize before infecting.

It searches open files for charcters with greater ASCII above \$40, and links itself to hunk 1 of the file if none were found.

In the file you can read:

">>> Golden Rider <<< by ABT"

### 1.40 NewUpdates!

GUARDIANS BOOT AIDS

This bootvirus is a clone of Lamer Exterminator I. You would think these people could come up with their own ideas?

### 1.41 NewUpdates!

G-ZUS PACKER

The G-Zus Packer 0.01 isn't a virus at all, but you can say a kind of a damage program.

The original unpacked G-Zus have been spread by modem named as "gzus001.lha" = 12.520 bytes. The original unpacked G-Zus file is 15016 bytes.

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The G-Zus packer looks as a very trustable program but don't..... trust it! In the G-Zus doc one of the first lines are saying:

"You take ALL the risks in using this software. We offer NO guarantee"...

Don't attempt to use it you will be fooled by this packer!!!!

If you tries to load a file for crunching this file will be deleted and the new crunched file will always have the same length = 30 bytes. In this new file you can read some garbage and the following text:

"This Is Magic"

There isn't any possibility to salvage your lost data, if you have been fooled by this silly pseudo packer.

### 1.42 Hochofen

HOCHOFEN

This is a linkvirus. The filesize is 3000 bytes.

In the file you can read:

"Greetings to Hochhofen".

It will only link ifself to executable files smaller than 200000 bytes and not already infected.

### 1.43 NewUpdates!

ICONDEPTH

This trojan is really nasty. It was supposed to be able to change the number of bitplanes in your icons, making them faster to load from harddisk. The archive is called icond13.lha - packed with PP 4.0 the main program is 2384 bytes long.

When you start the program is says:

"Hold on while IconDepth V1.3 is converting your icons"

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```
then it proceeds to change 50-100 files on your harddisk starting with C/Dir. The filelength itself isn't changed, but the files themselves are, as 4 or 5 bytes are changed, this could lead to an unstable system, but the programs seem to work ok. During this little stunt IconDepth changes the datestamp, so you can easily find the damaged files.

When IconDepth has changed the 50-100 files it does a 'the Program failure', which destroys the pointer to the first datablock. When this is missing you can't boot the drive.

The only thing you CAN do is boot from your WB floppy, do a backup and lowlevel format the thing:(
```

### 1.44 NewUpdates!

INDIANA JONES

Indiana Jones is an ordinary boot block virus which can infect by using Kickstart 2.0.

The text in the graphic routine where removed. RAM resident, reset resident, infects only floppy disks.

The text INDIANA JONES can be read in the bootblock, with 7 capital line letters.

And the following ASCII text:Indiana.library.....And the GOLDEN SUN OF ATICA !

### 1.45 NewUpdates!

INFECTOR

How original! This virus is a Fast Eddie clone. Runs on kickstart 1.2/1.3.

### 1.46 NewUpdates!

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#### INFLUENZA

The Influenza virus is an ordinary bootvirus. The virus use Cool, DoIo, in the memory always \$7f000\$ writes TURK to \$60.

Damage: The disk cylinder 0-39 will bee formated when the e reach # 10 in \$300 (absolut).

You can read the following ASCII text in he boot block:

To suffer alone in the disgrace >>SARCASTIC EXISTENCE << HE HE <- -+- I N F L U E N Z A -+- -> SUFFER...

### 1.47 NewUpdates!

INGO RETURN

The Ingo Return is an ordinary bootblock virus very like some of the Lamer Exterminator viruses. Contrary the lamer viruses this new strain writes "Fuck" in the blocks on the disk.

Like the lamer viruses the Ingo virus change the code you can see in the bootblock for every new infection of disks.

Files infected with Ingo damaged blocks are permanent damaged, no possibility to salvage!

## 1.48 jinx

JINX

This is another badly programmed bootvirus. If run on 2.0 or higher it crashes. On 1.2/1.3 it overwrites the existing bootblock. Many routines appear to be from the Lamer ext. and it also contains traces of a headstepping routine.

## 1.49 NewUpdates!

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IRAK 3

The Irak 3 is a boot virus CCCP clone, which infect if you are using Kickstart 1.2-2.0. Please attention the virus overwrites the boot + damages (sometimes) the Hunk-Structure

### 1.50 NewUpdates!

KHOMEINI

The Khomeini is a boot block virus which is a MAD II clone. In the boot block you can read the following ASCII text:

Your disk(s) has been possessed by the KHOMEINI Virus!!!!

Even after his death he takes revenge!!! HA-HA-HA MADE BY KHOMEINI INC.

### 1.51 NewUpdates!

LAME GAME

The Lame Game bootvirus is a 'Timebomb V1.10' clone.

# 1.52 NewUpdates!

LAURELINE MALE/FEMALE

The Laurine Male and -Female vira are very alike. Both are boot virus, and both puts up an alert when the copycount reaches 77.

# 1.53 NewUpdates!

LEVIATHAN BOOT- AND FILE VIRUS

This virus is a multihead virus, that means the virus

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is both a bootblock and a file virus (1056 bytes) like the "good" old CCCP virus and the later Starcom 1, and Irak 3 CCCP clones.

The above means, that the file virus part is able to infect a bootblock with the bootvirus part of this virus and - the bootvirus part can of course infect a new file virus part. By kickstart 1.3 -2.0 the virus will guru and can't infect.

#### ATTENTION

The virus file-part is changing in the first line of the startup-sequence:

Original startup-sequence: setpatch
Infected startup-sequence: s/..setpatch

(Remark you have to correct this line by yourself).

### 1.54 New Updates!

LZX 1.30

Earlier this year ('95) a new packer was released and thus trojans must follow :( Of course it has nothing to do with the new packer.

 $\texttt{LZX\_68020}$  64896 bytes,  $\texttt{LZX\_68000EC}$  67680 bytes, and last but not least  $\texttt{LZX\_68040}$  65384 bytes

It looks for the following assigns and destroys the files in  $\ \leftarrow$  them.

NComm:, BBS:, Devs:, S:, ENVARC:, Libs: will contain this  $\ \ \$  after infection:

=CIRCLE OF POCER=
[ THE RETURN OF THE POWER PEOPLE! PHEAR US! ]

Like the other CoP trojans, no salvage is possible.

# 1.55 NewUpdates!

MAD 3B

This bootvirus is a clone of Byte Warrior. Install

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disk to remove. Pretty harmless.

### 1.56 Menem

MENEM

This link virus installs a task named " " (\$20) After some time, an alert appear where it says:

Menem's revenge has arrived !!

Argentinia still alive !!

When you start a file, Menem remembers the filename, and waits untill you start the next file, to infect to old file.

This virus size is 3056 bytes.

### 1.57 NewUpdates!

MESSAGE ACID LINK VIRUS

A very nasty easy spreaden linkvirus, which can affect a lot of damaged files on your harddisk. Take care fellows.

### 1.58 NewUpdates!

MUTILATOR

Mutilator is a bootblock virus, but ATTENTION.....be careful this virus can infect your harddisk too!

As soon as counters reaches \$e0 and the other 3 you'll get the following text on your monitor:

"THIS IS THE NEW MUTILATOR-VIRUS ! BY MAX OF STARLIGHT

Thanx to The Executors for Spreading this GREAT code ! done: - 1992 - ...."

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### 1.59 NewUpdates!

O.M.S.A.

The O.M.S.A. virus is a timebomb V1.0 clone boot virus. In the bootblock you can read the following ASCII text:

Hehe...Looks like your disk got fucked! Take a shower!!!

O.M.S.A virus v1.0!

Based on Avirex Timebomb v1.0!

26th of April 19(c)93!

# 1.60 NewUpdates!

OVERKILL

The Overkill virus is a special bootblock virus which occupies 4 blocks:

Block 0 and 1 = VirusBlock 2 and 3 = The original bootblock

Unfortunately this Overkill virus is working at all Kickstarts versions included Amiga 4040, and is able to infect your harddisk too.

This virus have to be said as VERY dangerous because it can maybe overwrite important data on disk or your harddisk.

The Overkill virus codes virus in a new form for every new bootblock infection!!!

If you have your harddisk infected the block 2-3 on your harddisk will be overwritten by the Overkill virus and the consequence can be: No boot-up and a damaged RigidDiskBlock of your harddisk and/or the damaged bootblocks.

Have you been unlucky? Try some of salvage programs e.g. FixDisk or DiskSalv, and check what might be left to re-install again.

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### 1.61 NewUpdates!

PAYDAY

PayDay is one of many bad antivirus bootblocks, which was very popular for years ago. Because this one only knows very few boot viruses. The origin is a program, which offer you to install this Payday antivirus boot block.

The PayDay isn't a virus at all, but because this one will "guru" at Kickstart versions later than 1.3, it's better to remove. (Use Install)

### 1.62 pestilence

Yet another booooring bootblock virus. Infect on almost all systems and destroys the infected disk. To remove just install a new bootblock.

### 1.63 NewUpdates!

PLASTIQUE

Hehe, this one killed me; becase of a programming error on behalf of the programmer, this virus cannot infect other disks.

## 1.64 NewUpdates!

RASTENBORK INSTALLER

This next sucker pissed me off....

This virus installer is an executable file of 5220 bytes  $\,\,\hookleftarrow\,\,$  which

writes the RastenBork bootvirus to disk.

Running the installer will bring up a MENU(!) where all information about the virus is displayed!

The installer contains two versions:

RastenBork 1.2

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- · Writes rubbish to root block after 10 disk changes.
- The disk can be repaired use any disk repair utility (The virus author suggests FixDisk)
- · Purple (\$f0f) screen during boot with infected disk.
- · Contains text:
  - "Boot Virus Protector v5.4" and "A NPS production"
- · Contains some bugs:
  - i. Does not check if the disk is an AmigaDOS disk, thus booting from a HD with the virus in memory would result in a destroyed block 0:(

#### RastenBork 2.0

- $\boldsymbol{\cdot}$  Codes directory blocks after the 10th boot from an infected  $\boldsymbol{\hookleftarrow}$  disk.
- · It is possible to decode the directories.
- · Black (\$fff) screen during boot with infected disk.
- · After 10 boots with an infected disk, the coding is done,  $\leftarrow$  leaving

FixDisk and other tools helpless.

- This version only infects AmigaDOS disks, thus HDs should  $\, \hookleftarrow \,$  be out
  - of the danger zone.
- It would seem the author is PePe/tRSi kick his ass if you  $\, \hookleftarrow \,$  meet him,
- would you? I wish there was an IQ minimum of 15 to own an  $\ \hookleftarrow$  Amiga.

# 1.65 NewUpdates!

RED GHOST

The Red Ghost virus is in fact not a real boot virus, but some kind of resident virus killer. In fact is can't find viruses at most of the Amiga types so a good advice will be if you installs this bad working boot block.

In the bootblock you can read the following ASCII text:

RedGhost Unknow NotExe Virus Protector, Install Quit
Boot : Write Protected Retry Quit

### 1.66 NewUpdates!

SAO PAULO

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This Sao Paulo boot virus can damage your harddisk block 0-1 so please take care. In the boot block you can read the following ASCII text:

SAO PAULO!

### 1.67 NewUpdates!

SATAN

This Satan boot virus can damage your harddisk block 0-1 so please take care. In the boot block you can read the following ASCII text:

Hallo du dreckiges NAZI-SCHWEIN !!!

Hier spricht der SATAN !!!!

Ich und mein Freund Glen Benton machen dich fertig !!!

verlasse dich drauf !!!!!! Du widerst mich an !!

Und wer den SATAN anwidert lebt nicht mehr lange !!!

## 1.68 NewUpdates!

SENTINEL BOOT VIRUS

This virus is called USSR 492 too. It is a ordinany bootblock virus which writes itself to \$7f400 in memory without allocating memory. The Sentinel virus is a "Excrement" clone only the text is changed.

The only destructive thing it does is to overwrite any bootblock, which hasn't been infected yet. This virus is quite harmless, and don't infects disks, if you run kickstart 2.0-3.0.

# 1.69 NewUpdates!

SEPULTRA 2.26

Sepultra 2.26 is a file virus length 1980 bytes. The virus patches the following dos-vectors: LoadSeg, Lock, Open, Delete, Rename

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The Sepultra virus isn't resident and infects by using kickstarts: 1.2/1.3/2.0/3.0

If any of the vector the virus patches is used it creates a file with the name \$A0A0A0A0: That means a file without visibel name in the current drive and modify the startup-sequence. It makes the startup-sequence 5 bytes longer and inserts its own file unvisibel name at the top of the Startup-Sequence.

#### EXAMPLE:

The file "df2:Testfile" will be deleted. Now the virus creates the virusfile under this name: "df2: \$A0A0A0A0" and modifies the "df2:s/startup-seq." with the virusname.

If the virus will be started it scans for "dh0:". If existing the virus infect "dh0:".

IN THE MEMORY YOU CAN READ:
"Wer schaut mich an in dieser Eil.
wir etwa nötig geil? Bitte, bitte laß mich
da, sonst sag ichs meinem Großpapa.
.. (w) Sepultura V2.26"

### 1.70 NewUpdates!

SINMUT

Just another bootvirus. No additional comment.

### 1.71 NewUpdates!

STARCOM 1

Is a CCCP virus clone for more info please see more about this virus in the program Virus Info Base made by SHI (Only the texts is changed)

# 1.72 NewUpdates!

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STARCOM 5

Another bootvirus which is a Boot-aids virus clone. You can read the following in the bootblock:

STARCOM

Starcom avenger 1.00

### 1.73 Supernova Killer

For some months ago SHI recived a anti-virus tool called Super Nova Killer 3.05 from a unknown programmer called Stefan Kircher??

This new anti-virus program was in fact a link virus, which will increase every infected files by adding 688 bytes. Maybe the programmer thought that he could trick SHI - But nope at all....

Here you have a short-cuts from the following letter:

Stuttgart, 22.01.95

Hello Mr. Løvendal

I'm an Amiga user for 4 years now and I had very big problems with viruses every day. This desease remained till I got the BootX virus- killer. That's why I want to thank you. Thank you for depolluting my Amiga. I think SHI is a great organization. I like the BootX-Virus Killer and the VIB very much.

The programm 'SNK' included is a programm made by myself. I will give you a short description:

The programm works like the VMK by Chris Hames:

- Some things were taken from the VMK-Command.
- This command I programmed is much better than VMC.

Concerning Beta-Test:

The 'SNK' file I have sended you isn't the beta version because it has been tested before posting to you on this Amigas:

Amiga 500 1.2/1.3/3.1 (1MB Chip 4MB Fast) MC68000 Amiga 2000 2.0/3.1 (2MB Chip 3MB Fast) MC68EC030 Amiga 4000 3.0 (2MB Chip 16(!)MBFast) MC68040

So it is not necassary to do an beta-test (in my opinion). But if you don't belive me.... OK, do it.

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### 1.74 NewUpdates!

TELECOM

Telecom is a file virus lenght 756 bytes. This virus is only spreading at Kickstart 1.3 and with Ranger RAM (\$C00000) very rare

If you are booting with a disk the virus does the following:

- a) It checks with the help of DoIO() if the disk is write protected. If not the virus moves a value at memory address. This value will later be used from the OpenWindow-Patch to check if the disk was write protected.
- b) The virus patches the FindResident() vector. This new patch installs some time later a new patch in the OpenWindow()-vector.
- c) This new patch infects the root-dir of the disk while it creates the virusfile as a file without a visibel name (756 bytes) and modifies the first line in the startup-sequence.

The string "s/startup-sequence" in the virus is coded with a simple EOR-loop (eor.b \$\$27,(a1)+). In the decoded virus you can read "TeleCom".

# 1.75 NewUpdates!

THAHO8 2.0 VIRUS

It's a very nasty bootblock virus. Nothing more to say

# 1.76 NewUpdates!

TTK VIRUS

It's a ordinary bootblock virus, which can't infect Amiga with Kickstart >1.3, but guru if you boot the disk at kickstart 2.0.

### 1.77 NewUpdates!

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#### WAHNFRIED

The name Wahnfried is to read in the bootblock. This virus can infect at Kickstart 1.2, 1.3, and later versions. ATTENTION..be careful this virus can infect your harddisk too!

All written Wahnfried infected bootblock don't work because a checksum error. A counter will start, and when this counter reach 0 a DisplayAlert will come at your monitor with the following text:

"Hardware Failure Press left mouse button to continue Guru Meditation #00000015.00C03L12 Hooligen-Bits randalieren im Datenbus!

Gruß Erich!"

### 1.78 NewUpdates!

WHY THIS NEW SHI UPDATE?

Concerning the serious lack of new viruses and the absence of support from the users Peter Stuer have send the following 2 messages explaining, why he have stopped to make future updates:

1.st letter from Peter Stuer To: All: End of BootX

2.nd letter from Peter Stuhr future updates by SHI

### 1.79 NewUpdates!

LETTER FROM PETER STUER TO: ALL SUBJ: END OF BOOTB

Area: BOOTX

From: Peter Stuer (2:292/603.7)

To: All

Subj: End of BootX

Dear users,

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after nearly 4 years of virus hunting I have decided to leave the challenge to other programmers. During the last year a few of nice competitors have emerged in the anti-virus scene (I will not mention any names). It is up to their programmers to fill the possible void that BootX leaves.

The last BootX version released was BootX 5.23a Recog 1.75. This version has apparently rapidly aged. At the time 60 and 90 days seemed extremely long times between updates. However, during the last 2 months I have not received any new viruses, which explains the aging of BootX.

I hope all BootX users find another viruskiller to replace it. Thanks for all your support.

Peter.

### 1.80 NewUpdates!

LETTER FROM PETER STUHR CONCERNING, THAT THE FUTURE BOOTX UPDATES ARE TAKEN OVER NOW BY SAFE HEX INTERNATIONAL:

Dear user,

Ever since I stopped the BootX development, SHI has been pressing me to either continue BootX or to release the source to them. The first is impossible and the latter not appealing.

However, to make the transition more smoothly, I have released this patch to BootX 5.23a. It will no longer bug you with the date requesters.

Also in this archive you will find BootX.Recog library 1.75a which also has the date check removed.

NOTE: These are patches done by me, Peter Stuer. This is a one of a kind event. I am sending the source of the Recog library to SHI in Denmark. They will decide if anyone of their programmers is going to pick up the release of new BootX Recog libraries.

If you doubt the authentity of this patch, feel free to drop me a Netmail at Fido 2:292/603.7.

Peter.

### 1.81 NewUpdates!

THANKS TO PETER FROM ALL OF US, YOU ARE A REAL GOOD FRIEND!

First SHI would like to thank Peter Stuer for the excellent job he did with BootX. Thanks Peter from all of us.

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As you can see of the in this doc-guide, the development of BootX was stopped for some time. We are doing our best to keep BootX up-to-date with all the latest viruses. BUT I need YOUR....support too. Please send all new vira to us, or to the nearest SHI virus center.

ONLY WITH YOUR HELP TOO, (YES YOU, THE READER OF THIS DOCUMENT), WE CAN SUCCEED!

Erik Loevendahl, SHI.

### 1.82 NewUpdates!

SHI NEED YOUR HELP FOR FUTHER LOCALE SUPPORT!

For futher locale support I need help to get the BootX menu localized for the following countries: Spanish, Turkish, Portuguese, Polish, Finnish, Greek and of course every country, which isn't localized yet. Please send your locale translation direct to me:

Erik Loevendahl Soerensen Snaphanevej 10 DK-4720 Praestoe Denmark

Phone: +45 55 992512 Fax : +45 55 993498

### 1.83 NewUpdates!

VIRUSES WANTED FOR NEW BOOTX UPDATES,

SHI NEED YOUR HELP FOR FURTHER UPDATES!

As you can see of the in this doc-guide, the development of BootX was stopped for some time. I am doing my best to keep BootX up-to-date with all the latest viruses. BUT I need YOUR....support too. Please send all new vira to me, or to the nearest SHI virus center.

IF.... YOU FIND new viruses, please send them TO-DAY!!!! SHI is currently

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searching for the following viruses :

```
Aibon 2 trojan (784)
                          - 0 0-BBS
Aibon-ACP.Ctrl.
                              0
AmiPatch virus 1.0a (8288)
                           - 0
                                 0-BBS Infiltrate or damage BBS
                           - 0 0
Anti-Knacken
Antivirus
                           - 0 0
                           - 0 0-BBS Infiltrate or damage BBS
AeReg.BBS-Trojan (664)
Australian Paradise
                           - 0 0
                           - 0
                                 0
BB-Prot.
BBS/Whitebox v 8.0 (34896) - 0
                                 0-BBS Infiltrate or damage BBS
Black Night
                              0
                              0 0
Blockchain Virus
Boot-Aids
                              0 0
Butonic 4.55
                           - 0 0-F
Chain V0.23
                          - 0 0
Charlie Brown (Hireling)
                           - 0 0-F
Check Filevirus (18644)
Christmas Violator (1060)
                           - 0
                                 0-F
CopyLock-Virus (Block 0-3) - 0
Dailer BBS V2.8g (33908) - 0 O-BBS Infiltrate or damage BBS
DirOpus CRC (20716)

    0 0-BBS Infiltrate or damage BBS

Disk.info Bomb (370)
                          - D 0-F
Disk.info Bomb (370)
                          - D 0-F
                           - 0 0-F
Disktest (1348)
                          - 0
Disk-Killer 1.0 (1368)
                                 0
Disk Repair v 2.6 (37740)
                              0
                                 0-F
                              0
                                 0-F
Dopus (6408)
                           - 0 0-BBS
DwEditv1.6 (43700)
Freshmaker virus
                           - 0 0
                           - 0 0
GCA
                           - 0
                                 0
Gandalf
                           - 0
GCA BB (forpib clone)
                                 Ω
Genetic Protector 2.0 BB
                           - 0
                                 0
Guardian.DMS
                              0
                                 0-BBS Infiltrate or damage BBS
                           - 0
                                 0
Happy New Year
                           - 0 0
HNA Virus
Jeff-Butonic 3.20 (2900)
                          - 0 V-F Attention destroy harddisk boot!
Jeff-Butonic 4.55 (3408)
                          - 0 V-F Promt: hoffentlich stoere ich sehr
                           - 0 0-BBS Infiltrate or damage BBS
Jismtro.exe
                           - 0
Joshua 3
                                 Ω
KaKo
                              0
                                 0
Kako Loadwb Virus (2804)
                              0
Kefrens II
                              \cap
                                 Ω
Killkim.exe
                           - 0 0-BBS Infiltrate or damage BBS
                           - 0 0
Kobold II
M Chat-Trojan (13.492)
                          - 0 0-BBS Infiltrate or damage BBS
                          - 0 0
MemSearcher virus
                           - 0
Monkey Killer
                                 0
                              0
                                 0-B
Mount Virus (1072)
MVK (1052)
                           - 0
                                 0-F
                           - 0
Monkey Killer
MWB virus (Julie clone)
                          - 0 0
                           - 0 0
New Age virus
                           - 0 0
Ninja
Noname 2 (Incognito 2)
```

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```
Nuked 007
                            - 0
                                 0
Ohio
                              0 0
P-Cracks
                              Ω
                                 0
Phatasmic Force
                              0
Power Team
                              0
PP Bomb 3-MegaMon (26856)
                           - 0
                                 0-BBS Infiltrate or damage BBS
                            - 0 0-F
Pstats
Rimednac
                            - 0 0
                            - 0 0
Sachsen Virus no 2
Saddam clone Lame (1848)
                           - A 0-FL
                          - A 0-FL
Saddam clone Animal (1848)
Saddam clone Kick (1848)
                                 0-FL
                              Α
Saddam clone Nato (1848)
                              Α
                                 0-FL
Saddam clone 1.29 (1848)
                           - A 0-FL
SCA 666
                              0 F
SCA Atomix
                              C F
SCA Karl Marx
Schwartznegger
                              0 0
                              A 0-F
SCSI virus (1560)
Setmap & install
                              0
SMBX-Mount.Installer.(64488) - 0
                                 0-F
                           - 0 0-B
Snap PP Bomb (44260)
SnoopDos 1.9 Trojan (sd-tv) - 0 0-T
                                       Installer of the Butonic 4.55
                            - 0 0
Suntron
Sysinfo 1.1 (5680)
                           - 0 0-BBS Infiltrate or damage BBS
T.ET.E Virus
                              0 0
T.ET.E Zombi Clone
                              0
                                 0
T.F.C. clone
T.F.C. Revenge LWB 1.3 (2804) - 0 0
                              0 0
Thaho8 2.0
TimeBomb 0.9 clone (1584)
                          – E 0-В
Topdog 1.0 (2260)
                           - 0 0-BBS Infiltrate or damage BBS
                           - 0 0-BBS Infiltrate or damage BBS
Top Util Virus (2260)
                           - 0 0
Tristar Viruskiller Virus
Tristar-Viruskiller V1.0
                              Ω
TTK Virus
                              0
UCA
                              0
UcAIDS
                              0
                                 Ω
Uhr virus.BB
                            - 0
                                 0
UInfo (13048)
                           - 0 0-BBS Infiltrate or damage BBS
                          - 0 0-BBS Infiltrate or damage BBS
Ulog V1.8 Messagetop BBS
                            - 0
                                 0
Umyj Dupe Virus
Virus II
                              0
                                 0
                                 0
Zorro Willow
                              0
                                 0
Zviruskiller 1.5
                              Ω
Xcopy2
                           - 0 0
```

And infected disks with the "French Kiss virus" and "ABC virus" containing the whole viruses (Block 0-3- or 4). I ONLY..have the first 1024 bytes!!!

```
And of course I will be very happy for any NEW......VIRUS you might find !
```

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Please...mark the disk "Attention Virus" (please take care of our harddisk) Remember to state your address and phone number, if you want a reply, but isn't necessary, if you want to be anonymous, only the VIRUS counts. (SHI don't care, what "KIND" of disk you send us). After the disk is analyzed the disk is formatted and your name, will be 100 % arcivated in my trashcan. SHI....ALWAYS keep our promises!!, (no more questions then!)

#### SEND A LETTER PLEASE:

An VERY EASY..way is to send the viruses to your regional center, who will then send them along to SHImain:

SHI Addresses

### 1.84 NewUpdates!

OUR THANKS ARE GOING TO THE FOLLOWING EXCELLENT GUYS FOR THE SUPPORT OF BOOTX:

The german BootX locale is "finished". A very excellent work! Thanks to Steffen Salzmann, Germany!

OUR THANKS FOR NEW VIRUSES ARE GOING THE FOLLOWING:
Rune Goksør, Norway. Ulrik Nielsen, Denmark. Gert Lamers, Holland. David Elmquest, Denmark. Jim Maciorowski, USA. Martin, Austria. Sten Andersen, Denmark. Torben Danø, Denmark. Kosta Angelis, Greece. Alex Dimitriadis, Germany. Johan Sahlberg, Sweden. Flavio Stanchina, Italy. Gabriele Greco, Italy. Paul Browne, SHI England. Kurt Hansen, SHI Norway. Jan Andersen, SHI Denmark. Gordon Smith, England, Richard Waspe, England, Cheveau Frederic, France.

WITHOUT THESE \* EXCELLENT \* GUYS THERE HAVE BEEN NO UPDATES!

### 1.85 How to get in contact with SHI

HOW TO GET IN CONTACT WITH SHI

Please contact one of our centers and we will try to help you. See more information in the  $$\operatorname{\mathtt{Addresses}}$$ 

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file.

MAIN CENTRAL VIRUS CENTER:

Erik Loevendahl Soerensen Snaphanevej 10 DK-4720 Praestoe Denmark

AND OF COURSE I WILL BE VERY HAPPY FOR ANY NEW VIRUS YOU MIGHT FIND

#### 1.86 SHI addresses

SHI need 2-3 centres in most of the following countries. Are you  $\,\,\hookleftarrow\,\,$  more than

20 years old and know 2-3 good friends with interrest to help. Do your friends or yourself have a phone, a 24 pin printer or laserprinter. And most important time and interrest to run a new virus help centre, in a SERIOUS WAY with the aim to get our SHI disks to be the most popular Amiga disks around?

Then please conctact me,

SHI MAIN CENTRAL VIRUS CENTRE

SHI REGIONAL VIRUS CENTER'S

ARGENTINA

AUSTRALIA

AUSTRIA

BELGIUM

CZECH

DENMARK

EAST ASIA

ENGLAND

FINLAND

FRANCE

**GERMANY** 

GREECE

HOLLAND

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IRAN

IRELAND

ITALY

NORWAY

POLAND

PORTUGAL

ROMANIA

SLOVAKIA

AFRICA

SPAIN

SWEDEN

SWITZERLAND

TURKEY

USA

HUNGARIA

CANADA

REP OF CHINA

SAFE HEX MAIN E-MAIL

SAFE HEX MAGAZINE

SAFE HEX BULLETIN BOARD

### 1.87 SHI addresses

SAFE HEX MAGAZINE RESIDENT

Vidar Bang Sagahøyden 24 9500 Alta Norway

Phone: + 47 84 30660

### 1.88 SHI addresses

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# SAFE HEX INTERNATIONAL BULLETIN BOARD SUPPORT:

\* Programmer's Resort ZyXEL: 45-98380575 ISDN: 45-96869090 SysOp: Alex Holst

\* 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

#### HOW 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)

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

Always the newest anti-virus stoff 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.

Or you can contact the Anti-virus CoSysOp in Denmark by voice:

Oh yes! I would like

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### 1.89 SHI addresses

\* Erik Loevendahl Soerensen SHI main: Fidonet : 2:236/116.17

Amiganet: 39:141/127.17

\* Internet SHI support: Alex Holst

ilg@dc5101.aalborges.dk

\* Lars Stockholm SHI Packet Radio support: OZ1GYQ@OZ4BOX.SAX.LOL.DNK.EU

### 1.90 SHI addresses

SHI REGIONAL VIRUS CENTRE HOLLAND

Marco van den Hout Doornboomplein 9 NL-5081 GR Hilvarenbeek The Netherlands

Phone +31 04255 3513

### 1.91 SHI addresses

SHI REGIONAL VIRUS CENTRE AUSTRALIA

Amiga Quarantine Brian & Rick Logan P.O. Box 533 Engadine N.S.W 2233 Australia

(No phone)

#### 1.92 SHI addresses

SHI REGIONAL VIRUS CENTRE SLOVAKIA

Ondrej Krebs SNP 4 908 51 Holic Slovakia Republic

Phone: + 0801 3764

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### 1.93 SHI addresses

SHI REGIONAL VIRUS CENTRE CZECH

MB Soft
Dalimilova 6
130 00 Praha 3
Czech Pepublic

#### 1.94 SHI addresses

```
SHI REGIONAL VIRUS CENTRE ITALY

Massimo Gais
V. Vittorio Veneto 31
80029 S. Antimo (NA)
Italy

Phone + 39 81 5052256
```

#### 1.95 SHI addresses

SHI REGIONAL VIRUS CENTRE ENGLAND

Paul Browne
304 Leeds Road
Eccleshill
Bradford
W.Yorks
BD2 3LQ
England

Virus Helpline: +44 (0274) 779212 (Monday-Friday, 6pm - 9pm)

Fidonet: 2:250/320.4 Amiganet: 39:138/14.4

Internet: shiuk@cix.compulink.co.uk

Fax: +44 (0274) 779212

#### 1.96 SHI addresses

```
SHI REGIONAL VIRUS CENTER USA?
```

Do you have the time and the interest to become leader of a "Regional Virus Center" in USA?

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If so, you are very welcome to contact SHImain, and we will give you all the help you need to start. It is VERY important that you are "at home" with your Amiga and know a lot about viruses and the like, so that you can help people in your own country with their virus problems.

#### 1.97 SHI addresses

SHI REGIONAL VIRUS CENTRE GREECE

Konstantinos Angelis 29 Sokratus Str. GR 42100 Trikala Greece

Phone: +30 934 06321 Phone: +30 431 29207 Fax : +30 431 38214 BBS : +30 431 72171

#### 1.98 SHI addresses

SHI REGIONAL VIRUS CENTRE BELGIUM

Dutch Language:

Koen Peetermans Vrijheersstraat 8 B-3891 Gingelom Belgium

Phone: + 32 11 48 58 19

SHI REGIONAL VIRUS CENTRE BELGIUM

French Language:

Gregoire Jean-Christophe 64 Franstimmermansstraat 1600 Sint Pieters Leeuw Belgium

Phone: + 02 377 76 78

#### 1.99 SHI addresses

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SHI REGIONAL VIRUS CENTRE SPAIN

John Lohmeyer
Parque Guell 7
08338 Premia de Dalt
Barcelona
Spain

Phone: + 03 752 38 85 Fax : + 03 752 30 79 BBS : + 03 892 39 83

#### 1.100 SHI addresses

SHI REGIONAL VIRUS CENTRE GERMANY

Do you have the time and the interest to become leader of a "Regional Virus Center" in Sweden?

If so, you are very welcome to contact SHImain, and we will give you all the help you need to start. It is VERY important that you are "at home" with your Amiga and know a lot about viruses and the like, so that you can help people in your own country with their virus problems.

#### 1.101 SHI addresses

SHI REGIONAL VIRUS CENTRE SWEDEN

Do you have the time and the interest to become leader of a "Regional Virus Center" in Sweden?

If so, you are very welcome to contact SHImain, and we will give you all the help you need to start. It is VERY important that you are "at home" with your Amiga and know a lot about viruses and the like, so that you can help people in your own country with their virus problems.

#### 1.102 SHI addresses

SHI REGIONAL VIRUS CENTRE POLAND:

Wojtek Gorzkowski

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Al.Prymasa 1000-lecia 95/102 01-242 Warsaw Poland

Voice: +48-22-367443 ( 18:00-21:00 Fax: +48-2-6308411 ( 24h/day) BBS: +48-2-6215669 ( 24h/day)

### 1.103 SHI addresses

SHI REGIONAL VIRUS CENTRE FRANCE:

Brun Stephane 255 Chemin Fontisson F-84470 Chateaneuf de Gadagne France

Phone : + 90 22 54 22

#### 1.104 SHI addresses

SHI REGIONAL VIRUS CENTRE NORWAY:

Kurt Hansen Langøyveien 13 N-4026 Stavanger Norway

Phone : + 47 4 520420

### 1.105 SHI addresses

SHI REGIONAL VIRUS CENTRE EAST ASIA:

Javed Islam
P. O. Box 10119
Feroze Pur Road
Lahore 54600
Pakistan

### 1.106 SHI addresses

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SHI REGIONAL VIRUS CENTRE YUGOSLAVIA:

Nikolic Tomislav Vase Stajica 3 Sombor 25000 Yugoslavia-Serbia

Phone: + 382 520 189 BBS : + 813 849 4034

#### 1.107 SHI addresses

SHI REGIONAL VIRUS CENTRE ARGENTINA:

Pablo A. Trincavelli Dorrego 459 1 er. piso 2000 Rosario Santa Fe Argentina

Phone: +54 41 252906

#### 1.108 SHI addresses

SHI REGIONAL VIRUS CENTRE FINLAND:

Johannes Verwijnen Hiihtomäentie 33 B 16 SF-00800 Helsinki Finland

Phone: 358 0 759 1263 Phone: 358 0 787 449

### 1.109 SHI addresses

SHI REGIONAL VIRUS CENTRE PORTUGAL:

Alexandre Manuel Reis Casal de São Brãs Rua Antônio Nobre, Lote 5, R/C DTO 2700 Amadora Portugal

Phone: + 351 01 494 8932 Fax : + 351 01 494 4662 BootX News 54 / 58

### 1.110 SHI addresses

SHI REGIONAL VIRUS CENTRE SWITZERLAND:

Meier Remy Hardstrasse 111 CH-4052 Basel Switzerland

Phone: + 41 61 312 63 95 Fax : + 41 61 312 63 95

### 1.111 SHI addresses

SHI REGIONAL VIRUS CENTRE SOUTH AFRICA:

Richard Harris P.O.Box 3147 1610 Edenvale South Africa

Phone: + 27 011 453 6327

### 1.112 SHI addresses

SHI REGIONAL VIRUS CENTRE TURKEY:

Volkan Uçmak Sakiz Sok. Berkel Ap. 6/2 81300 Kadiköy Istanbul Turkey

Phone: + (1) 346 86 48 Fax : + (1) 349 96 35

### 1.113 SHI addresses

SHI REGIONAL VIRUS CENTRE AUSTRIA:

David Van Assche Sieveringer Strasse 126, 4 BootX News 55 / 58

Vienna 1190 Austria

Phone: + 222 44 39 91 Fax : + 222 44 42 51

### 1.114 SHI addresses

SHI REGIONAL VIRUS CENTRE IRELAND:

Anthony Melia 4 Seagrange Drive Baldoyle Dublin 13 Ireland

Phone + 01 39 31 23

### 1.115 SHI addresses

SHI REGIONAL VIRUS CENTRE IRAN:

Soroush Khalatbari 3 floor 32, Mehraban Eskandari-Jonobi street. 13116 Tehran Iran

### 1.116 SHI addresses

SHI REGIONAL VIRUS CENTRE ROMANIA:

Prundeanu Cristian Str. Rodnei nr. 6 1900 Timisoara Romania

### 1.117 SHI addresses

SHI REGIONAL VIRUS CENTRE HUNGARIA

Pista Palacy Szechenyi U. 55 II/1 7100 Szekszard BootX News 56 / 58

#### Hungaria

Phone: +36 74 3130 913 Fax : +36 74 3130 913

### 1.118 SHI addresses

SHI REGIONAL VIRUS CENTRE CANADA:

Ray J. Morrell 45 Salisbury Ave. Toronto, ON M4X1C5 Canada

Phone: + (416) 324 9513 BBS : + (416) 324 9439

#### 1.119 SHI addresses

SHI REGIONAL VIRUS CENTRE CHINA

Chen Pan 56, Lane 25, Sung-Teh Road Taipei, Taiwan Republic of China

Phone: + 886 2 759 1371 Fax : + 886 2 727 1235

### 1.120 SHI addresses

SHI MAIN CENTRAL VIRUS CENTRE: (Anti-virus CoSysOp at Dan BBS)

Erik Loevendahl Soerensen Snaphanevej 10 DK-4720 Praestoe Denmark

Phone: +45 5599 2512 Fidonet: 2:236/116.17 Fax: +45 5599 3498 Amiganet: 39:141/127.17

(Please send 2 "Coupon-Response International", if you want information about SHI by letter).

Attention: Fidonet mail is only replied by post letters or by faxsimile, therefore state your name and adderess to me.

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Virus helpline: Phone +45 55 992512 between 1600-2200 GMT Virus helpline: Fax +45 55 993498 between 0000-2400 GMT

### 1.121 SnapShot Manual

ATTENTION DEAR AMIGA FRIEND

WE NEED.. YOUR SUPPORT TOO concerning new viruses for updateing of BootX, VIB and our anti-virus.libraries.

Of course we think you can see how important your support is, 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
- \* DMS by Michael Pendec, ParCon Software
- \* Fides Professional by John Lohmeyer
- $\star$  Fides Checker by John Lohmeyer
- \* D-Copy by Stefan Bernbo
- \* X-Copy by Cachet Software (commercial)
- \* MT-Copy by Gert-Jan Strik
- \* BootWriter by Ralf Thanner
- \* Harboot by Martin Harbo
- \* Xtruder BBS viruskiller by Martin Wulffeld

#### ATTENTION:

\_\_\_\_\_

The Virus Info Base is made by Safe Hex International as virus text documentation for the above programs!!!

THE V.I.B SUPERVISOR:

\_\_\_\_\_

Alexander Dimitriadis Heidelberger Str.95 74080 Heilbronn BootX News 58 / 58

BRD

All people who send viruses to me will of course be mentioned in the VIB-Info page and will get a new Superkiller disk for free. So please send ALL new viruses for analysing to me.

PLEASE NOTE: If you want to stay annymous it's OK just send the viruses to me and they willbe added in future releases of the VIB!

Regards, ALEX

.............

Our thanks are going the following excellent guys for the support of these new viruses. Without these excellent guys there have not been new updates:

Rune Goksør, Norway. Ulrik Nielsen, Denmark. Gert Lamers, Holland. David Elmquest, Denmark. Martin, Austria. Sten Andersen, Denmark. Torben Danø, Denmark. Kosta Angelis, Greece. Alex Dimitriadis, Germany. Johan Sahlberg, Sweden. Flavio Stanchina, Italy. Gabriele Greco, Italy. Paul Browne, SHI England. Kurt Hansen, SHI Norway. Jan Andersen, SHI Denmark. Gordon Smith, England. Richard Waspe, England. Mark Pemberton, England. Cheveau Frederic, France.

PLEASE REMARK: Are you using BootX or some of the above programs you have of course interrest too, to help us, so we we can help you later again maybe when you have got your harddisk damaged by a nasty virus.

THEREFORE PLEASE REMEMBER TO SEND ALL NEW VIRUSE TO SHI FOR FUTURE SHI UPDATES.

THANK YOU VERY MUCH