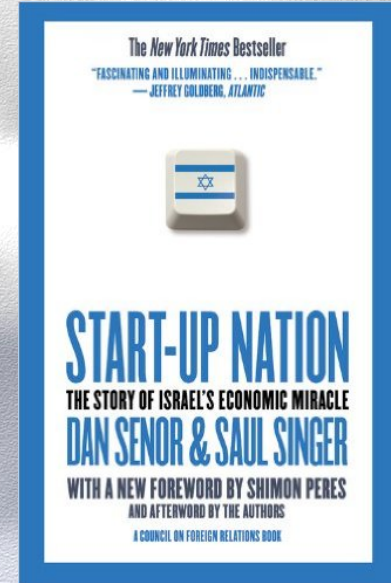
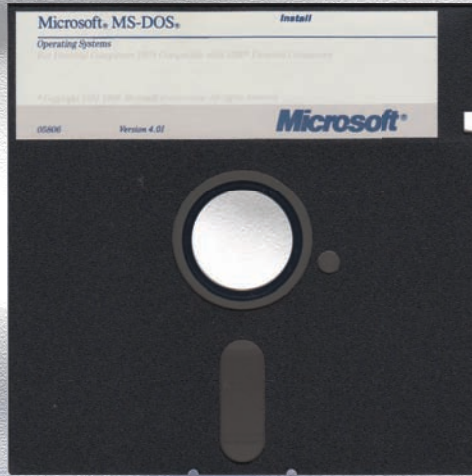


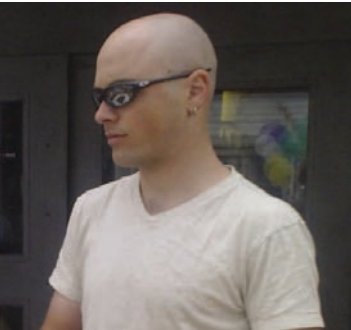
# From “One Country - One Floppy” to “Startup Nation”



The story of the early days of the Israeli hacking community

A long time ago in a galaxy far,  
far away....

# Israeli Tech Leaders: Let's see how it all started









==Phrack Inc.==

Volume Two, Issue 22, File 4 of 12

```

+++++
|                                     |
|               The LOD/H Presents   |
|                                     |
+++++                               +++++
|                                     |
|   A Novice's Guide to Hacking- 1989 edition
|   =====
|                                     |
|               by
|               The Mentor
|   Legion of Doom/Legion of Hackers
|                                     |
|               December, 1988
|               Merry Christmas Everyone!
|                                     |
+++++                               +++++/

```

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(C) The Mentor- Phoenix Project Productions 1988,1989 512/441-3088

This is a summary of DNIC's (taken from Blade Runner's file on ItaPAC) according to their country and network name.

DNIC	Network Name	Country	DNIC	Network Name	Country
02041	Datanet 1	Netherlands	03110	Telenet	USA
02062	DCS	Belgium	03340	Telepac	Mexico
02080	Transpac	France	03400	UDTS-Curacau	Curacau
02284	Telepac	Switzerland	04251	Isranet	Israel
02322	Datex-P	Austria	04401	DDX-P	Japan
02329	Radaus	Austria	04408	Venus-P	Japan
02342	PSS	UK	04501	Dacom-Net	South Korea
02382	Datapak	Denmark	04542	Intelpak	Singapore
02402	Datapak	Sweden	05052	Austpac	Australia
02405	Telepak	Sweden	05053	Midas	Australia
02442	Finpak	Finland	05252	Telepac	Hong Kong
02624	Datex-P	West Germany	05301	Pacnet	New Zealand
02704	Luxpac	Luxembourg	06550	Saponet	South Africa
02724	Eirpak	Ireland	07240	Interdata	Brazil
03020	Datapac	Canada	07241	Renpac	Brazil
03028	Infogram	Canada	09000	Dialnet	USA
03103	ITT/UDTS	USA	07421	Dompac	French Guiana
03106	Tymnet	USA			



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*For Personal Computers IBM Compatible with IBM® Personal Computers*

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05806

Version 4.01

**Microsoft®**



**I**   
**RULES**

# 90's Terminology

Hacking

Cracking

Phreaking

Carding

# The BBS Scene

A-List v182 Star Date: 29/04/94

Generated using AView v1.11 by Gibi Cohen and Eran Tromer

System name	Ø2	Time	BAUD	MNP/MISC	SysOp name	Node
ADVISORY - Lyrics	332-884	24H	14 K	V32b V42b	Unpublished	R
AIDS	U 512-124	24H	2400		Barak Cohen	S 401/404
Arbel	250-632	1915-0900	2400		Jonathan D.	S
Battle Axe	U 941-324	2000-0800	S 2400	MNP	Cnaan Aviv	V 402/412
C.I.A	U 785-038	24H	2400	MNP	Itai & Yaron	R 401/401
Clique	731-541	2000-0700	19 K	192K	Moti Kredi	S
Don't Call Us	868-930	2300-1000	14 K	V32b V42b	Saar Drimer	R
Falcon	G 611-865	24H	14 K	V32b V42b	Adam Ben-Gur	S 402/417
Falcon	G 611-050	24H	14 K	V32b V42b	Adam Ben-Gur	S 402/417
Fractured City	U 419-599	2300-0900	2400	V42	Uri Hasson	B 402/424
HyperActive	U 436-279	24H	12 K	V32b V42b	Yaron Bloom	R 402/411
Jordan BBS	U 942-984	2100-0700	14 K	V32b V42b	Or Duek	R 402/419
Magic BBS	U 828-757	2300-0700	2400	MNP	Golany Idan	S 402/423
McTen	789-846	24H	14 K	V32b V42b	Unpublished	O
Paradox	X 961-812	24H * 2 C	14 K	V32b V42b	Dror Latman	R 402/310
SkyNet	U 941-011	24H	14 K	V32b V42b	Omri Iluz	R 402/415
Small BBS	611-640	24H	14 K	V32b V42b	Ariel S.	O
The Hidden System	619-405	2300-0600	2400	MNP	Ami Rodan	R
The Lonely Wolf	U 817-478	2200-0630	14 K	V32b V42b	Roey Solo	S 402/420
The Ranger	I 894-037	24H	14 K	V32b V42b	Uriel Segal	R 402/77
The Ranger	I 273-746	24H	14 K	V32b V42b	Uriel Segal	R 402/77
The Real Thing BB	342-010	24H	14 K	V32b V42b	Aviad Hay	R
	Ø3					
Achtung Baby	5521967	2200-1000	14 K	V32b V42b	Unpublished	V
Aki Comm & Comp	6420024	0000-0700	S 14 K	V32b V42b	Aki B.S.	R
Alien BBS	I 9321020	24H	14 K	V32b V42b	Lior Drukker	R 403/51
Aquarius	X 5360359	24H	14 K	V32b V42b	Meny Nachman	R 403/153

Bulletin Boards on Israel 21/11/89

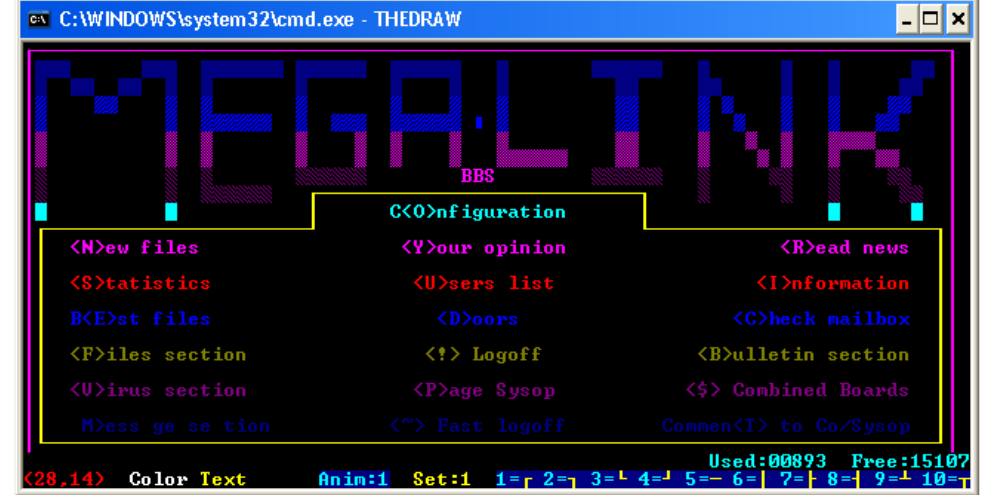
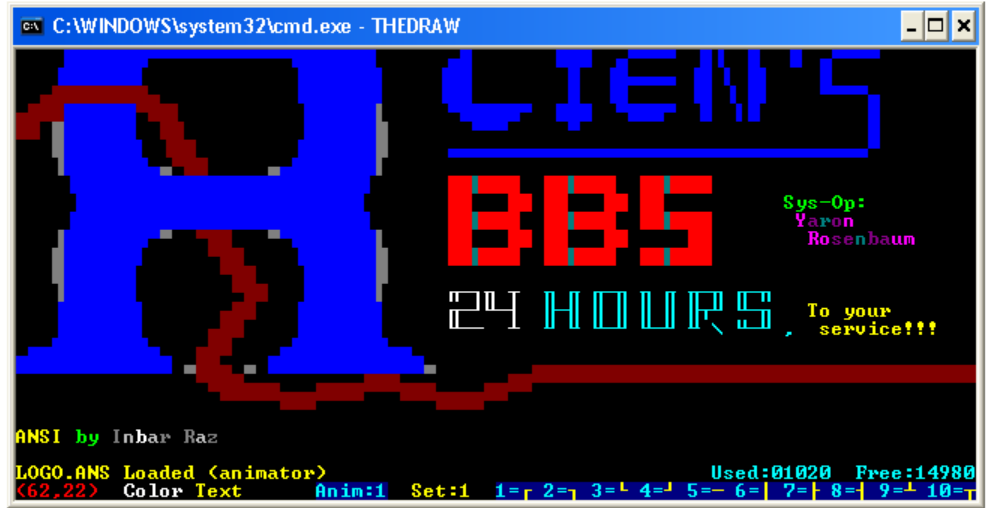
Release #071  
Updated Weekly By  
Naveh Data Jerusalem

באדיבות "ארבל"  
מערכות תוכנה ומחשבים  
מרכז כלל 124) 97 ירושלים  
טל : 02-247332

#	System Name	Number	Baud	FidoNet	SysOp	Hours
1	Convertible BBS	052-83683	2400M	405/10	Eyal Zach	22:00-17:00
2	KeshetNet	02-273307	9600M	40/100	Dick Fiedler	24 Hours
3	QuickBBS Toolbox	02-894037	2400M	402/77	Uriel Segal	24 Hours
4	Haddasha BBS	02-221372	2400M	402/402	Oren Shats	24 Hours
5	Small BBS	02-699660	2400M	-----	Michael Marx	24 Hours
6	PC Line - BitGate	03-5616284	1200	40/4	Oran Singer	15:00-07:30
7	Prince BBS	03-544-0409	2400	403/20	Yaron Munz	24 Hours
8	Blue Moon	03-744725	1200	403/108	Eran Yaniv	20:00-07:00
9	One night BBS ]]	03-749577	1200	403/109	Ofer Lidsky	22:30-07:00
10	Aviv BBS	03-413702	9600m	403/111	Israel Aviv	23:00-06:00
11	The Star BBS	03-9229864	1200	403/115	Eran Granot	23:30:07:00
12	The Black Universe	03-9654390M	2400M	403/139	Saar And Addy	20:00-09:00
13	Galaxy BBS	03-9667561	2400M	403/141	Chaim Neuman	24 Hours
14	CommPortAble Home	03-9245118	2400M	403/225	Tal Mozes	24 Hours
15	The Human Factor	03-5409249	2400	403/240	Assaf Stoler	24 Hours
16	PC Tech	03-5031842	2400M	-----	Mike Resnik	24 Hours
17	Radio Amateurs Club	03-5125396	2400M	-----	Shlomo Musaali	14:30-07:00
18	LoneStar BBS	03-721092	1200	-----	Yair Elharrar	22:30-06:00
19	The Shining Star BBS	03-846401	1200	-----	Yossi Zaig	22:30-02:00
20	The Last Opus	052-914618	2400	40/67	Ido Ophir	24 Hours
21	The Shomron Hills	052-929476	2400	405/27	Donny Wetzler	22:30-06:00
22	Alien BBS	052-86701	1200	405/30	Yaron Rosenbaum	23:00-07:00
23	The Fourth Dimension	052-441187	2400	405/40	Tomer Zaidel	21:00-07:30

# The BBS Scene

# The BBS Scene



# BBS Mischief



# The Story of the Ethics Group





Ref



# The Demo Scene

THIS			ICE			IS		
"The best						of the best."		
Staff								
Force Ten Metal Head			Sauron - UGA Shihear Kallizad - ANSi					
Directors								
* Genesis			Quazar			Syntax Error Vapor		
ANSi								
AADA Cool T Danzig Eternal Darkness			* Lemming Marshal Law The Necronancer * Pizza * Ranx			* Sparr * Tempus Thales Toxic Freak * Ultra Vires Wizz		
UGA Art								
Civil Disobedient Eight Ball Morpheus			Repeate Offender Shockwave Stealer of Souls			Tech Tsalaroth		
Coding/Demo								
Brian The Axe Code Safehawk DarkSider Deadbolt Ford Prefect			IBMMAN Iridium Leviathan Mad Hatter Master Con			Mr. Bug Renegade Bithead The WildCard The Shadow Zig Zag		

now and I hope to see you

to speed with ICE UGA developments, I'll try to  
 what's taken place within the past month. Among our  
 of talent, the three uzi-wielding Isrealies from the  
 Coders have joined ICE in what has proved to be a most  
 for us. Ford Prefect, Mr. Bug, and Codesafe Hawk all  
 sive talent in the coding arena. Ford, eager to have  
 this month's pack, released his 1.0 version of the  
 With it, Ford has created a whole new art form for  
 plore. The utility allows for art pieces, created  
 be transformed into vectors, which allow for unlimited  
 servation. Even though the program is in it's initial  
 stages, we are all excited to see what it will become in the future.  
 Mr. Bug also contributed to the ICE pack this month with two vector  
 demos: one with balls and one with dots. These don't even begin to  
 demonstrate the full scope of this coder's capabilities, so we also  
 look forward to his future projects.

# The Virus Scene

# Virii

Israel's part of the scene

Haifa

Jerusalem

Search for attribution? [[Ref1](#)]

# Anti Virii

List of famous Israeli products

Screenshots when possible

Personal anecdote:

Inbar and the Haifa virus

Inbar and Uzi Apple/Yuval Tal VirusBuster [[Ref1](#)]

# Anti Virii

Date: Thu, 07 Dec 89 16:07:16 +0200  
From: "Yuval Tal (972)-8-474592" <NYYUVAL@WEIZMANN.BITNET>  
Subject: Virus Buster v2.00 (beta) (PC)

Hello!

I am looking for a few beta-testers for the new version of Virus Buster. The current version of VB is 1.10 and a new 2.00 will be released soon. I need people who have special hardware (large HD, special graphics adapter etc). People who like to volunteer for this task should send e-mail to Yuval Tal (NYYUVAL@WEIZMANN.BITNET) or to one of the addresses written at the end of this letter.

Ok, here is some info about Virus Buster 1.10:

Virus Buster is an anti-viral software that was written in Israel by Uzi Apple (NYAPEL@WEIZMANN.BITNET) and by me. It can identify and remove about 15 viruses (version 2.00 will remove about 23) including: Data-crime, Jerusalem, 1st of april, Saratoga, FuManchu, Icelandic and more! Most important thing: It is PUBLIC DOMAIN! No fee charged! It has windows, statistics and much more. It will be soon available on the SIMTEL20 directories.

- -Yuval

```
+-----+
| BitNet:  NYYUVL@WEIZMANN      Domain:  NYYUVAL@WEIZMANN.WEIZMANN.AC.IL |
| InterNet: NYYUVAL@WEIZMANN.BITNET@CUNYVM.CUNY.EDU |
+-----+
| Yuval Tal                               Voice:  +972-8-474592 |
| The Weizmann Institute Of Science      BBS:    +972-8-421842 * 20:00-7:00 |
| Rehovot, Israel                        FidoNet: 2:403/136      (CoSysop) |
+-----+
| "Always look on the bright side of life" *whistle* - Morty Phyton |
+-----+
```

# Reverse Engineering



# Tool Evolution

Debug -> Turbo Debugger -> Soft-ICE/TRW -> Ollydbg

Sourcer -> IDA Pro

# Contributions

Line	File/Interrupt	Year	Contributor	Contact	Contribution
1	Interrupt List	Release 6			
2	Copyright (c) 1989-1999, 2000 Ralf Brown	476	9/93 Andreas Westfeld	westfeld@freia.inf.tu-dresden.de	Olivetti Quaderno
3	-----!-----FILELIST-----	477	9/93 Alexi Lookin	alexi@riaph.irkutsk.su	Avance Logic, C&T video
4	Please redistribute the following	478	9/93 Inbar Raz	2:403:302.42	Juko UNIQUE UX, misc
5	archives named INTER61A through I	479	9/93 Gary E. Miller	gem@rellim.com	Phar Lap 386 DOS-Ext.
6	PKZIP archives):	480	10/93 Ralf Brown	ralf@pobox.com	Compaq ROMs
7	INTERRUP.1ST this file	481	10/93 Paolo Borsalino	100042.1206@CompuServe.COM	VSAFE
8	INTERRUP.A INT 00 through IN	482	10/93 Marco Savegnago	MC2365@mcclink.it	MBBIOS updates, G8BPQ
9	INTERRUP.B INT 10/BF through	483	11/93 Wim Osterholt	2:512/56	Cirrus Logic BIOS 3.02
10	INTERRUP.C INT 15/10 through	484	11/93 Dmitry S. Kohmanyuk	dk@farm.cs.kiev.ua	CS_TSR specification
11	INTERRUP.D INT 15/E8 through	485	12/93 Alex Novgorodcev	san@riaph.irkutsk.su	AutoCAD Dev Interface
12	INTERRUP.E INT 1A/B1 through	486	12/93 Christian Kaiser	100065.2574@compuserve.com	Windows debugging kernel
13	INTERRUP.F INT 20 through IN	487	12/93 Colin Buckley	colin.buckley@CANREM.COM	UNCHAIN
14	INTERRUP.G INT 21/44 through	488	12/93 Jeffrey L. Hayes	tvdog@delphi.com	Tandy BIOS calls
15	INTERRUP.H INT 21/5F through	489	12/93 Finn Thøgersen	via jesperf@daimi.aau.dk	VESA XGA BIOS Extensions
16	INTERRUP.I INT 21/E3 through	490	1/94 David A. Mair	100137.264@COMPUSERVE.COM	NASI INT 6B calls
17	INTERRUP.J INT 21/F2 through	491	1/94 Bill Hawkins	73650.167@compuserve.com	Adv. Par. Port DAISY.SYS
18	INTERRUP.K INT 26 through IN	492	1/94 Inbar Raz	2:403:302.42	VGARAM, HelpTSR, Lightning
19	INTERRUP.L INT 2F/16 through	493	1/94 James E Beersman	jeb962t@nic.smsu.edu	HP and Compaq info
20	INTERRUP.M INT 2F/7A through	494	2/94 Peter van den Boogert	P.C.vdnBoogert@kub.nl	ZFAX v2.x, v3.01
21	INTERRUP.N INT 2F/DA through				
22	INTERRUP.O INT 51 through IN				
23	INTERRUP.P INT 62 through IN				
24	INTERRUP.Q INT 6B through IN				
25	INTERRUP.R INT 92 through IN				
26	INTERRUP.PPT				

# Anti Debugging Tricks

Anti Debugging Tricks

By:

Inbar Raz

Assistance by Eden Shochat and Yossi Gottlieb

Release number 5

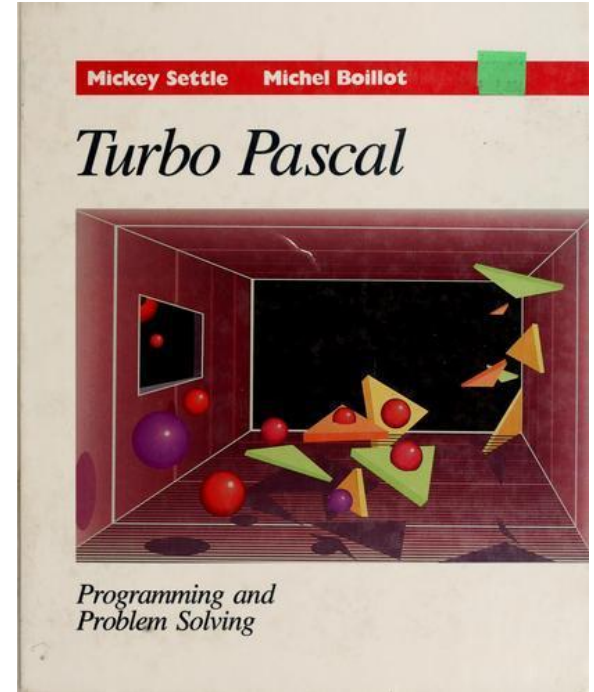
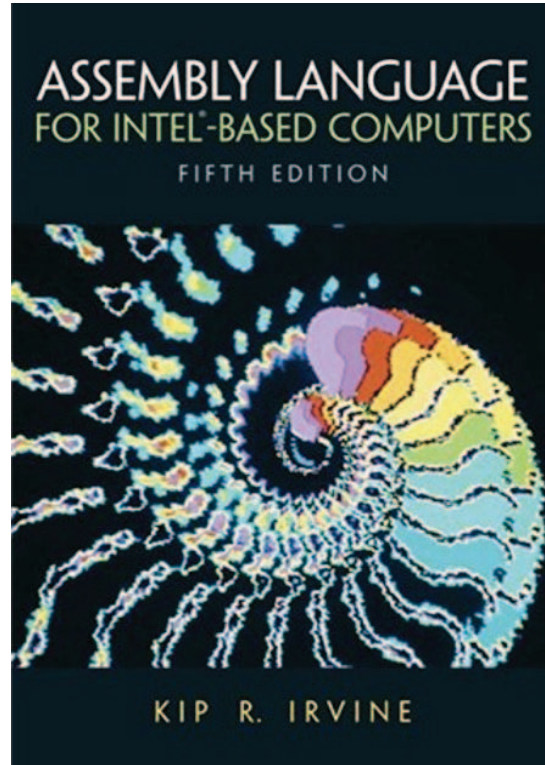
Today's anti debugging tricks devide into two categories:

1. Preventive actions;
2. Self-modifying code.

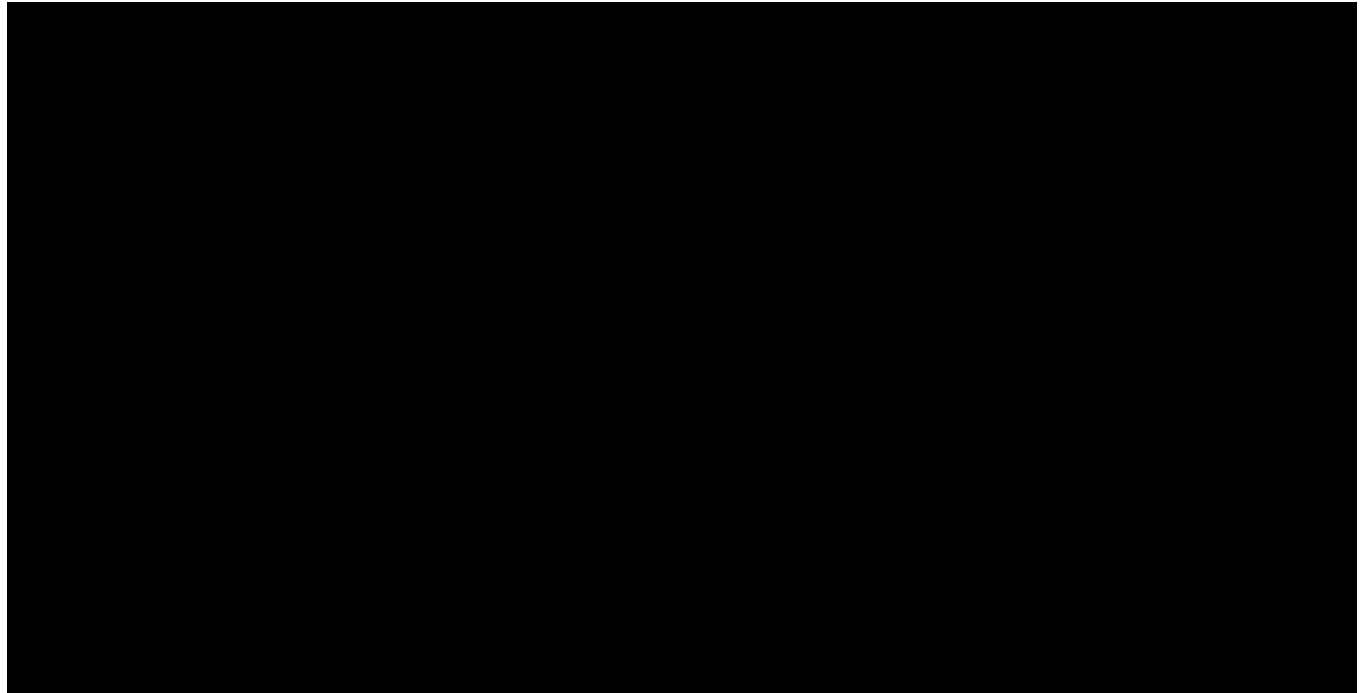
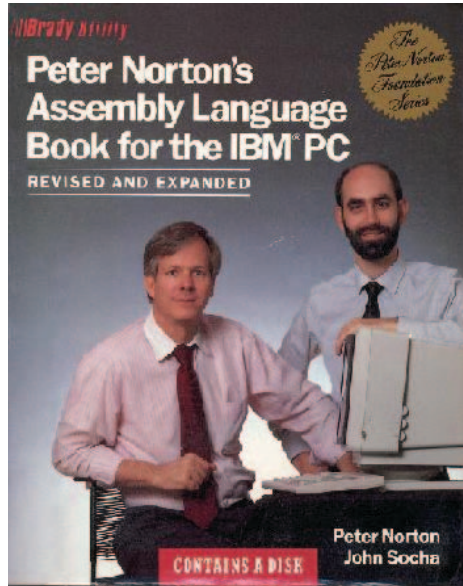
Most debugging tricks, as for today, are used within viruses, in order to avoid dis-assembly of the virus, as it will be exampled later in this file. Another large portion of anti debugging tricks is found with software protection programs, that use them in order to make the cracking of the protection harder.

Cracking

# Learning to Code



# Hardware Copy Protection



# The Story of unasi



Music: [ftp://modland.ziphoid.com/pub/modules/Protracker/Fred%20\(FR\)/intro1.mod](ftp://modland.ziphoid.com/pub/modules/Protracker/Fred%20(FR)/intro1.mod)

# The story of untiny

```
UNTINY.ASM
1  |; Untiny - A program to extract executable files compressed under TinyProg.
2  ;
3  ; Written by Inbar Raz, 2:401/100.1 ; 2:403/123.42
4  ;                               and
5  ;                               Dviry Segal, 2:401/4.1
6  ;
7  ; Version 2.6
8
9  CSEG    segment
10
11         assume  cs:CSEG, ds:CSEG, es:CSEG
12
13 SEGSTART    EQU    $
14
15         org     00100h
16
17 Start:    jmp     Begin
18
19 Old61    dd     ?           ; Vector of old interrupt 3
20 Old60    dd     ?           ; Vector of old interrupt 60
21 NewName  db     'OPENED.'   ; Name of extracted file
22 NewExt   db     'EXE', 00h  ; Extension of extracted file
23 NewAddr  db     ?           ; Address of extracting routine
24 FileType db     ?           ; File type, COM or EXE
25 FileSize dd     ?           ; File size, including header
26 WordFill dw    0           ; Fill relocations with 000h's
27 PageCount dw   ?           ; Number of 01000hb pages in code size
28 PartPage dw    ?           ; Size of partial 01000hb page at end
29
30 ; Messages area
31
32 M_Prog   db     'UnTiny V2.6 - A program to extract executable files compressed '
33         db     'under TinyProg.', 0Dh, 0Ah, 00Dh
34         db     'Copyright (C) 1992 by Inbar Raz and Dviry Segal.', 0Dh, 0Ah, 0Dh, 0Ah, 024h
35 M_Prepare db     'Preparing for program extraction.', 0Dh, 0Ah, 024h
36 M_Header  db     'Extracting EXE header.', 0Dh, 0Ah, 024h
37 M_Code    db     'Extracting program code.', 0Dh, 0Ah, 024h
38 M_Abort   db     ' Program terminating.', 00Dh, 00Ah, 024h
39
```



# Internet Timeline in Israel

Sep 13, 1989 - Bezek informs Machba that 56kb service to USA is not available for at least the next 10 months and therefore Machba immediately places an order for a 9.6kb line to USA.

Mar 19, 1991 - Bezek gets order for 64kb line to Europe from TAU.

Oct 21, 1991 - First European Internet link to CERN (Ebone) operational at 64kb (7 month delay)

Feb 20, 1992 - Machba turns down the government request to be a nationwide ISP. Machba agrees to be a leased line Internet Service Provider but not a dial-up service provider. Based on this meeting Actcom, Dataserv and Netmanage (later renamed to Netvision) receive the ratification from the Ministry of Communication to become dialup Internet service providers by the end of the year.

Jan 26, 1993 - The line to the USA has been upgraded to 128kb. The delay was 10 months from time of order. Line not via Bezek - line ordered via Israsat.

So we understand we need to take care of ourselves



# Eden's Story of Fin (Sam)



**המשביר המרכזי**  
**HAMASHBIR HAMERKAZI**

חברה קואופרטיבית להספקה של העובדים העברים בארץ-ישראל. בע"מ  
**PALESTINE CO-OPERATIVE WHOLESALE SOCIETY, LIMITED**

TEL-AVIV, F.O.B. 130	HAIFA, F.O.B. 295	ת"א, ת.ד. 130	חיפה, ת.ד. 295
SALAMEH ROAD	ALLENBY STREET	רח' סלמה	רח' אלנבי
TELEPHONE 1336-1337	TELEPHONE 569-570	טלפון 1336-1337	טלפון 569-570

TELEGRAMS: HAMASHBIR TEL-AVIV. CODES: BENTLEY'S, BENTLEY'S SECOND.



Phreaking

# CCITT Information, frequencies, etc.

NOTICE: TO ALL CONCERNED Certain text files and messages contained on this site deal with activities and devices which would be in violation of various Federal, State, and local laws actually carried out or constructed. The webmasters of this site do not advocate the breaking of any law. Our text files and message bases are for informational purposes only. We do not recommend that you contact your local law enforcement officials before undertaking any project based upon any information obtained from this or any other web site. We do not guarantee that any of the information contained on this system is correct, workable, or factual. We are not responsible for, nor do we assume any liability for, damages resulting from the use of information on this site.

HANNOVER, UNITED GERMANY! [09-28-92!]

-----  
CCITT UNDERGROUND INFORMATIONS  
ISSUE-NO: 1.00

-----  
THIS TEXT CONTAINS INFORMATIONS ABOUT :  
----->>> CCITT <<<-----

-----  
-----> MENU! <-----  
-----

FIRST WORDS  
INFORMATIONS  
WHAT CAN I DO WITH A BLUEBOX ?  
EXPLAIN OTHER PHONESYSTEMS  
CCITT: HOW YOU MUST DIAL  
WHICH COUNTRIES CAN BLUEBOX ?

-----  
- TIME FOR GREETINGS -  
-----

AMOS KERON [ISRAEL!]  
ANDREAS / PP [WEST GERMANY!]  
BLACK GUARDIAN [USA!]  
BLACK KNIGHT [USA!]  
BUG [NORWAY!]  
CODEX [WEST GERMANY!]

# Calling Cards

Friends who were operators

No OPSEC whatsoever back then

# Telephony

played DTMF to a token-operated pay phone

PBX wardialing





Carding

# CBI & TRW

credit verification systems [[Ref1](#)]

Trade vs. Use

The ethical line of proud hackers

You'll notice that for this particular category, we don't have anecdotes ;-)

# Famous Busts

# Deri Schreibman (1991)

First public Israeli case [[Ref1](#)] [[Ref2](#)]



# Analyzer (1998, 2008, 2013)

Ehud Tennenbaum [[Ref1](#)]



# Michael HaEfrati (2005)

The Trojan Horse story [[Ref1](#)]



Ashkelon Hacker (2017)

# Convergence



# Epilogue