

KC 99'er

CONNECTION



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FEBRUARY 1988

"BEWARE OF THE ELECTRONIC 'VIRUS'"

There is a self-propagating computer program spreading like an 'Electronic Virus' threatening to damage systems ranging from those at IBM's regional headquarters to a computer club's floppy disks.

The term 'VIRUS' is computer jargon for a self-propagating set of orders devised by a saboteur and will automatically copy itself from one computer diskette to another, gradually taking up more and more memory space.

One virus, programmed to wipe out thousands of files and years of research on Friday the 13th back in May, was inserted into Hebrew University computers in Jerusalem, said Yisrael Kadai, a senior programmer at the university's computer center. "It is the most devastating thing we've ever come across," Kadai said last week.

The TAMPA TRIBUNE reported Sunday that experts say they do not yet know what sort of damage the virus can cause to previously stored programs or stored information. But it quoted one expert as saying the version of the virus that infiltrated the users' group was similar to the one found in Israel.

The user member said the program was copied onto more than 20 of his floppy diskettes before he discovered it. And by then, the program had spread to the diskettes of many of the club's membership through their regular Disk Of The Month distribution.

The university in Israel, has devised two programs called 'IMMUNE' and 'UNVIRUS', which tell users whether their disks have been infected and applies an antidote to those that have it.

(From the KC Times Jan 11, 1988 -- edited by Steven DeGeare)

"FUNWEB FIX"

A quick bug notice from Tony McGovern, one of the authors of the Funweb program. Repairs to <AID> and Formatter allowed a couple of new bugs to sneak in. Not fatal anymore, but Mark doesn't transfer the file-name properly.

The following Fix is given by Tony McGovern. I used 'DISK REPAIR' to change mine. You need to place the file UTIL1 and QD on separate blank disks. Then load up 'DISK REPAIR'.

For UTIL1, look at sector 38 (see the following)

```
DUMP OF DISK SECTOR 38
0A5C 0209 00F3 A24C 02AB 0206 0001 06A0
D5E8 9800 D27E 1303 06A0 D5FA 1022 06A0
D600 C803 D27B 0209 0006 0208 A000 0206 byte 29 <06 change to <06
0004 06A0 D5E8 DE20 D17B 0209 00E3 A24C byte 39 <7B change to <72
0206 000B 06A0 D5E8 0200 20D0 DE00 028B
A050 1AFC C803 D27B 0609 C809 D27A 06A0
D2BE 04CC 1F05 1301 1021 1F03 130C 0760
CE50 1309 0760 CE4A 13A9 04E0 CE50 06A0
D4EC 04C3 100C 1F09 1305 8143 149F 159E
05B3 1005 1F08 139A 0743 1398 0603 06A0
D2BE 0208 3000 0608 16FE 1090 C0E0 FFD6
D8E0 D18E 0056 0663 007A C820 D27C CE04
04E0 CE06 0420 FFBA 0000 D640 0300 02E0
0000 0720 FF00 C2E0 CE5E 045B 0B0C 00FF
0120 2E01 8104 4453 4B3F 1381 8181 8181
8181 8120 2D2D 2D2D 2D2D 2D2D 2D2D 0F53
```

For QD, look at sector 36 (see the following)

```
DUMP OF DISK SECTOR 36
D60D 06A0 D5A2 022F 0020 C242 0208 CE09
D60D 06A0 D5A2 0222 001D 05C1 9D33 0284
000A 1ACD 04C4 C245 06A0 D330 0585 C242
0206 0122 D220 D546 06A0 D36B 10C0 C245
06A0 D330 C803 CE4A 06A0 D34C 04C3 06A0
D2BE 0720 CE50 0209 1800 C809 CE4E 06A0
D5F4 0760 CE02 1648 02E0 83E0 C80B CE40
06A0 000E C2E0 CE40 02E0 CE2A D320 8375
1138 7320 D3A4 1138 1602 D320 CE59 980C
CE59 1B32 098C 0A5C 0209 00F3 A24C 02AB
0206 0001 06A0 D5E8 9800 D27E 1303 06A0
D5FA 1022 06A0 D600 C803 D27B 0209 0006 byte BF <06 change to <07
0208 A000 0206 0004 06A0 D5E8 DE20 D17B byte CF <7B change to <72
0209 00E3 A24C 0206 000B 06A0 D5E8 0200
20D0 DE00 028B A050 1AFC C803 D27B 0609
C809 D27A 06A0 D2BE 04CC 1F05 1301 1021
```

=====

For those who have some other Sector Editor program do a string search for <00E3>. This will put you in the right sector. Look up the bytes shown above and do you fixing.

GOOD LUCK Steven DeGeare

TI DICTIONARY
by David L. Peden
EL CAJAN, CA

AMPS..... Little creepy crawlies
ARC..... Noah's Biblical boat
BUS BAR..... Onboard cocktail lounge
CAPACITOR..... One who can hold his Liquor
COAXIAL..... 2 engineers fired simultaneously
COMMUTATOR..... One driving to the city daily
CONDENSER..... Writer for the READERS DIGEST
DEGAUSS..... Removing a bandage
DETECTOR..... Private Eye
DETIENI..... Small outdoor canvas shelter
ELECTRODE..... Automated highway
FARAD..... Deposed Egyptian ruler
GAMMA..... Short for grandmother
HERTZ..... Medical term for painful
IMPEDANCE..... Synonym for Data processing
INFRA RED..... American spy in Moscow
ION..... Device to take out wrinkles
LOAD LINES..... Monday morning wash
LOGARITHM..... Dancing on logs
OHM..... House in Great Britain
OVERHEAD..... The Boss
PENTODE..... Frog in captivity
POWER FACTOR..... Mother-in-law
QUARTZ..... Measurement unit for booze
QUALITY CONTROL..... Excuse to return extra parts
RECEPTACLE..... Round filing cabinet
SERIES RESISTOR..... TV censor
TRANSFORMER..... A good beautician
UHF..... The sound made by a tackled quarterback

(Reprinted from Tacoma 99ers Newsletter)

RECYCLE YOUR RIBBONS
by Don Weber

Does the price of ribbons for your printer concern you?? If so, you may wish to try the following method of re-inking them at low cost. Basically the job is done by drawing your ribbon across a stamp-pad that is normally used for rubber stamps. By applying a small amount of pressure to your ribbon while holding it against the pad. Your ribbon will absorb the ink. By arranging a method of continuously moving the ribbon across the stamp-pad at low speed, the whole ribbon will be re-inked in short order and ready to give you another round of printing.

The ribbons for my printer have a convenient drive shaft that will fit in the chuck of a very slow-speed electric drill-motor. To tell when you have completed a cycle of your ribbon. Mark the edge of it with a small amount of white out (correction fluid). To get enough ink on the ribbon, it may be necessary to make a couple of passes; or one on the inside and one on the outside. If the ribbon needs to be spliced for any reason, it can be done with a very small amount of one of the instant glues such as Super Glue.

(Reprinted from WEST-JAX 99ERS Newsletter)

MILLERS GRAPHICS
GRAM KRACKER

The Gram Kracker is a 4 inch by 6.5 inch by 1 inch unit that plugs into the Module port on the 99/4A and includes a port to plug modules into. It comes configured as a 56K unit but it is user expandable to 80K. It also includes an additional 8K of Preprogramming that displays a menu for the various functions which include:

1. SAVE any module (ROM and/or GRUM) or the contents of the Gram Kracker RAM/GRAM to Disk or Cassette.
2. Load saved module back into the Gram Kracker to run it.
3. Reinitialize the RAM/GRAM Module Space.
4. Load and Save the optional GRAMS that override the console GRUMs.
5. Modify the contents of any module loaded into the Gram Kracker with the BUILD IN Full Screen Memory Editor/Mover/Print and Fill program.
6. Automatically converts Editor Assembler into Super Cartridge with 16K of bank selectable Cartridge RAM/ROM.
7. It also comes with a Utility Disk that lets you:

1. Add some new CALLs to Extended BASIC.
2. Move the Editor/Assembler and TI-Writer programs to different GRAMS to allow a menu with more than 1 module on it.
3. Load the Editor/Assembler module along with the EDIT1, ASSM1 and ASSM2 files into the Gram Kracker so that it functions as a GRAM Disk. Then when you select Edit or Assembler they are instantly loaded into Memory Expansion. No more waiting for them to load from Drive 1. No need to keep these files on your work disk since they are stored in the Gram Kracker.
4. Load the TI-Writer module along with EDITA1, EDITA2, FURMA1, FURMA2 and CHARA1 (optional) into the Gram

Kracker so that it acts as a GRAM Disk for this Module. Instant Loading for these files, no more waiting for them to load from the disk. No need to keep these files on your work disks.

8. With the optional RAM chips (GRAM) installed you can:

1. Override the operating system or make modifications to it, such as: Install character set with true asenders and desenders and a slashed zero. Put your name on the title screen. Change the title screen colors. Make a V2.2 console a non 2.2 console.

2. Have a menu with Disk Manager II, TI Extended BASIC and either TI-Writer or Editor Assembler on it.

9. Another Advanced feature includes a UTIL1 or Program Image loader that will load any file saved with the E/A Save utility and it will automatically chain itself to load the Gram Krackers RAM and GRAM space if the files are there.

Expected release date is Mid November. The price has firmed up. It will be \$174.95 plus shipping. For Additional information please write Millers Graphics, 1475 W. Cypress Ave., San Dimas CA 91773 and we will send you a brochure on the Gram Kracker as soon as it is ready.

(Publisher's note: Miller Graphics no longer produces the Gram Kracker)

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THE WORLD OF COMPUTERS

Reader's Digest (7/1986)

A colleague was having a hard time operating her desk-top computer. It was apparent that she had reached the end of her patience when she muttered at the screen, "I know one thing. If I had a glass face like you do, I'd sure behave better."

-Contributed by Priscilla J. Smith

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FOR YOUR ENJOYMENT TYPE THIS IN AND SEE SOME OF THE CAPABILITIES
OF YOUR TI AND SOUNDS. (your editor) FROM 'COMPUTE MAGAZINE'

```
100 CALL CLEAR
110 CALL SCREEN(15)
120 PRINT TAB(7);"SHAPING TI SOUNDS"
130 FOR T=1 TO 6
140 PRINT
150 NEXT T
160 PRINT " CHOOSE"
170 PRINT
180 PRINT
190 PRINT TAB(4);"1) SHAPED MUSICAL
   NOTES"
200 PRINT
210 PRINT TAB(4);"2) ECHO"
220 PRINT
230 PRINT TAB(4);"3) QUIT"
240 PRINT
250 INPUT A$
260 IF (VAL(A$)<1)+(VAL(A$)>3) THEN
   250
270 ON VAL(A$) GOTO 290,520,690
280 REM CREATE SHAPED NOTES
290 CALL CLEAR
300 CALL SCREEN(15)
310 PRINT TAB(3);"* SHAPED MUSICAL
   NOTES *"
320 FOR T=1 TO 10
330 PRINT
340 NEXT T
350 PRINT "ENTER THE RISE AND FALL
   TIMES --"
360 PRINT "USE VALUES GREATER THAN
   ZERO"
370 PRINT
380 INPUT R,D
390 IF (R=0)+(D=0) THEN 380
400 FOR F=110 TO 880 STEP 30
410 FOR DB=30 TO 0 STEP -5/R
420 CALL SOUND(-10,F,DB)
430 NEXT DB
440 FOR DB=0 TO 30 STEP 5/D
450 CALL SOUND(-10,F,DB)
460 NEXT DB
470 FOR T=1 TO 50
480 NEXT T
490 NEXT F
500 GOTO 100
510 REM CREATES ECHO
520 CALL CLEAR
530 CALL SCREEN(14)
540 PRINT TAB(8);"*ECHO EFFECT*"
550 FOR T=1 TO 12
560 PRINT
570 NEXT T
580 FOR F=110 TO 880 STEP 30
590 FOR DB=1 TO 30
600 CALL SOUND(-10,F,DB)
610 FOR T=1 TO 10
620 NEXT T
630 CALL SOUND(-10,990-F,DB)
640 FOR J=1 TO 10
650 NEXT J
660 NEXT DB
670 NEXT F
680 GOTO 100
```

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SALUTE OF THE MONTH OF NOVEMBER 1987
from the Boston Computer Society

A column called 'THE BLOOD BANK' in the KC 99'er Connection is our salute for the month. Almost every month, the prolific Walter H. Blood somehow finds the time and has the skill to put together an original or adapted Xbasic program. This month's program is Turkey's Revenge (just in time for the holidays). (editor note walter deserves a well-rounded applause at our next meeting. Let us not forget.)

THE BLOOD BANK

FEBRUARY 1988

****CONTINUED FROM LAST MONTH*****

```

1110 CALL CLEAR :: PRINT "Save under
what name?": :: "DSK": :: ACCEPT AT(24,4
)SIZE(12)BEEP:F$ :: PRINT F$
1120 IF F$="" THEN RETURN ELSE F$="DS
K"&F$ :: GOSUB 1000 :: PRINT :: "Savi
ng puzzle" :: OPEN #1:F$,INTERNAL,OUT
PUT :: PRINT #1:W
1130 FOR Y=1 TO 15 :: FOR X=1 TO 15 :
: PRINT #1:BD$(X,Y):: NEXT X :: PRIN
T #1 :: NEXT Y :: CLOSE #1 :: RETURN
1140 DATA " Press",-----,<ctrl>,
" A=Across"
1150 DATA " B=Block"," D=Down"," E=Ex
it"," F=Print"," Current"," puzzle"
," S=Save &"," return"," to Menu"
1160 CALL HCHAR(2,5,136):: CALL HCHAR
(2,21,138):: CALL HCHAR(2,6,137,15)
1170 CALL VCHAR(3,5,139,15):: CALL VC
HAR(3,21,140,15)
1180 CALL HCHAR(18,5,141):: CALL HCHA
R(18,21,143):: CALL HCHAR(18,6,142,15
):: RETURN
1190 CALL CLEAR :: PRINT TAB(6):"CRUS
SWORD PUZZLER": :: TAB(5):"By Stev
e C.M. Chen":TAB(10):"and Karen Kane"
1200 PRINT :: "Translated for the T
197/4A": :: TAB(5):"by Walter H. Blood"
: :: TAB(6):"FAMILY COMPUTING"
1210 PRINT TAB(9):"June 1987": :: TAB(4):
"Instructions (Y/N)?" :: GOSUB
1100 :: IF K$="N" THEN RETURN
1220 CALL CLEAR :: PRINT "If you're t
ired of newspaper": :: "crossword puzzl
es that are": :: "smudged and ripped fr
om"
1230 PRINT :: "repeated erasures, if yo
u": :: "get cross-eyed from": :: "deciphe
ring the layers of": :: "inked-in lette
rs when you"
1240 PRINT :: "try to solve puzzles in
pen,": :: "or if you are just a fan of"
: :: "challenging puzzles, then": :: "THI
S is the program for YOU!": ::
1250 GOSUB 1010 :: CALL CLEAR :: PRIN
T ( "You will be able to solve": :: "(or
print out) FAMILY": :: "COMPUTING cross
word puzzles."
1260 PRINT :: "Or you can create your o
wn": :: "crossword puzzle for a": :: "+fri
end to solve. When you": :: "RUN the p
rogram, a Main Menu"
1270 PRINT :: "will offer you five choi
ces": :: "<1> Create your own puzzle
<2> work on existing puzzle"
1280 PRINT " <3> Create a puzzle using

```

```

": " FAMILY COMPUTING data": "<4> So
lve a puzzle": "<S> Quit": ::
1290 GOSUB 1010 :: CALL CLEAR :: PRIN
T " <1> CREATE YOUR OWN PUZZLE":RPT$(
CHR$(45),28):: "A 15-by-15 grid of do
ts": "appears on the screen."
1300 PRINT :: "The letters A-O run": "ac
ross the top of the grid correspondi
ng to the": "vertical columns, and the
"
1310 PRINT "numbers 1-15 appear to": "
the side of the grid": "corresponding
to the": "horizontal rows."
1320 PRINT :: "This grid is where you
enter the letters and solid blockstha
t make up the crossword design.": ::
: :: GOSUB 1010
1330 CALL CLEAR :: PRINT "Along with
the grid": "is a Command Menu that": "l
ists the operations"
1340 PRINT "available when you": "crea
te your own puzzle.": :: "There is also
a": "Cursor-Position Indicator, and
an Across/Down Indicator"
1350 PRINT "showing the direction the
": "cursor will move when you": "type i
n a letter or block."
1360 PRINT :: "To switch between the Do
wn Mode and the Across Mode,": "press
CTRL-A for Across": "or CTRL-D for Do
wn.": :: GOSUB 1010
1370 CALL CLEAR :: PRINT "The cursor
starts in the": "upper left-hand corne
r at": "position 1A ready for you"
1380 PRINT "to input a letter or": "so
lid block.": :: "To enter a letter - ty
pe it.": :: "Enter a solid block by": "p
ressing CTRL-B."
1390 PRINT :: "Or, if you just want to
move around the grid, use the": "arrow
keys.": :: GOSUB 1010
1400 CALL CLEAR :: PRINT "The grid is
setup for a": "15-by-15-square puzzle
, but if you want to do a smaller"
1410 PRINT "puzzle, make a new border
by filling in the extra squares with s
olid blocks."
1420 PRINT :: "To 'erase' an entry,": "t
ype over it with a new": "letter or a
block, or type a period ('.') to lea
ve the"
1430 PRINT "square blank.": :: GOSUB 1010 :: CALL CLEAR
1440 PRINT "At any time you can print
": "the current puzzle with the CTRL-P
command.": :: "When you are ready to s
top"
1450 PRINT "creating a puzzle, you ca
n either press CTRL-S to SAVE your c
ompleted or partially completed work

```

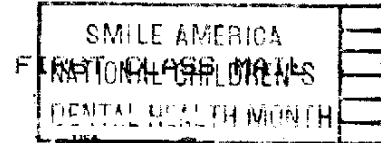

A1	WHAT IS YOUR SEX?		
	MALE	650	86.3214%
	FEMALE	103	13.6786%
A4	WHAT IS YOUR AGE GROUP?		
	17 OR UNDER	23	3.0544%
	18 - 24	28	3.7185%
	25 - 34	114	15.1394%
	35 - 44	249	33.0677%
	45 AND OVER	339	45.0199%
A10	HOW MANY YEARS OF EDUCATION?		
	11 OR LESS	39	5.1793%
	12 YEARS (hi school)	155	20.5843%
	13 - 15	291	38.6454%
	16 YEARS	108	14.3426%
	17 AND OVER	160	21.2483%
A18	YOUR OCCUPATION?		
	STUDENT	32	4.2497%
	BLUE COLLAR (homemaker)	187	24.8340%
	WHITE COLLAR	137	18.1939%
	PROFESSIONAL (self-emp)	246	32.6693%
	RETIRED	151	20.0531%
A22	DO YOU USE A COMPUTER AT WORK?		
	YES (or school)	439	58.3001%
	NO	314	41.6999%
A25	WHICH BRAND of computer at work?		
	N/A	307	40.7703%
	IBM	182	24.1700%
	APPLE	24	3.1873%
	DEC	27	3.5857%
	SPERRY (unisys)	17	2.2576%
	NEC	4	0.5312%
	UNKNOWN	9	1.1952%
	OTHER (wang,ti,itt,hp)	183	24.3028%
A34	HOW MANY 1194 OR 4As DO YOU OWN?		
	1	236	31.3413%
	2	369	49.0040%
	3 OR MORE	148	19.6547%
A38	HOW MANY PE SYSTEMS DO YOU OWN?		
	0	114	15.1394%
	1	472	62.6826%
	2	136	18.0611%
	3 OR MORE	31	4.1169%
A43	WHICH MEMORY EXPANSION DO YOU HAVE?		
	NONE	56	7.4369%
	TI	458	60.8234%
	CORCUMP	80	10.6242%
	FOUNDATION	24	3.1873%
	MYARC	63	8.3665%
	MECHATRONIC	4	0.5312%
	OTHER (horizon, cons132) tachyon,ucomp,doryl	68	9.0305%
A41	WHAT SIZE memory?		
	N/A	54	7.1713%
	32K	543	72.1116%
	128K (104K)	42	5.5777%
	256K (192K)	28	3.7185%
	512K (640K)	78	10.3586%
	1024K	8	1.0624%

A58	WHICH DISK CONTROLLER CARD DO YOU OWN?		
	NONE	71	9.4290%
	TI	420	55.7769%
	FOUNDATION (?)	2	0.2656%
	MYARC	53	7.0385%
	CURCUMP	187	24.8340%
	OTHER (percom,ics)	20	2.6560%
A60	HOW MANY 5-1/4" DISK DRIVES DO YOU OWN?		
	NONE	77	10.2258%
	1	167	22.1780%
	2	307	40.7703%
	3 OR MORE	202	26.8260%
A70	CONFIGURATION (disk drives)?		
	N/A	79	10.4914%
	SS/SD	265	35.1926%
	DS/SD	158	20.9827%
	DS/DD	235	31.2085%
	DS/DD	16	2.1248%
A76	DO YOU OWN A HARD DISK SYSTEM?		
	YES	16	2.1248%
	NO	737	97.8752%
A79	WHATS THE SIZE?		
	N/A	734	97.4768%
	10 MEG OR LESS	8	1.0624%
	20 MEG (11 TO 29)	10	1.3280%
	30 MEG OR MORE	1	0.1328%
A84	DO YOU OWN A MODEM?		
	YES	524	69.5883%
	NO	229	30.4117%
A87	INDICATE HIGHEST BAUD RATE?		
	N/A	227	30.1461%
	300	291	38.6454%
	1200	224	29.7477%
	2400	11	1.4606%
A92	WHICH PRINTER DO YOU OWN?		
	N/A	74	9.8274%
	TI (includes thermal)	71	9.4290%
	EPSON	149	19.7875%
	PRWRTR/NEC (leadedge)	39	5.1793%
	OKIDA/C ITOH (microln)	38	5.0465%
	STAR MICRONIC (gemini)	187	24.8340%
	COMREX/TOSHIBA	3	0.3984%
	BROTHER/CANNON	10	1.3280%
	JUKI/CITIZEN	18	2.3904%
	OTHER (panasonic,ids,mpi)	164	21.7795%
A103	DO YOU OWN A MONITOR?		
	YES	453	60.4250%
	NO	298	39.5750%
A106	ARE YOU USING A TV?		
	YES	399	52.9880%
	NO	354	47.0120%

ULGEN 952 E. PARKHAVEN DR. SEVEN HILLS OH. 44131-3918 (216) 741-4951

(there is more to the Survey, will continue next month)

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IN THIS ISSUE

ELECTRONIC VIRUS
TI SURVEY
BLOODBANK
TIDBITS AND SUCH

J88N0SAJM87
DALLAS TI HOME
Computer Group
P. O. Box 29863
Dallas TX 75229



```
#####  
# #  
# #  
# #  
# # OUR NEXT MEETING #  
# # SUNDAY - FEB 14 1988 #  
# # 2:00 P.M. #  
# # Arthur Mag Center behind M.R.I. #  
# # Volker Boulevard & Rockhill Road #  
# # #  
# # << XBASIC CLASS CONTINUES >> #  
# # #  
# # BRING A FRIEND OR TWO AND SHOW THEM #  
# # WE CARE ABOUT TI 99/4A USERS #  
# # #  
#####
```