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HOCUS

Home Computer
Users Spotlight
a monthly publication of the
Milwaukee Area 99/4 Users Group

FEBRUARY - 1987

The Computer is never WROGN.

MYARC won't read your disk?
Seems if you format a disk DS/DD with DM1000, it will format 1440 sectors, readable by the CorComp controller but not by a MYARC controller. The reason is that DM1000 puts 16 (>10) in byte 12 of sector 0 instead of 18 (>12). This byte tells how many sectors per track are on the disk. The MYARC controller, unlike the CorComp, then tries to read 16 sectors per track, instead of 18. This causes all kinds of problems, net results in an unreadable disk. Simply use DISKO to alter this byte.

Profanity is the one language that ALL programmers understand

DM1000 is too fast for you?
The autorepeat is set a bit too fast in DM1000 and often when typing in a responce it will repeat a couple times before you can get your sticky finger off that keyboard. Here is how you can correct that problem. Again, load up DISKO. It's right on the FUNNELWEB disk you're using, dummy! Anyways find the MGR3 file (DM1000 V3.5) and go to the 21st sector. I guess it's on the 20th sector of V3.3. Locate the following list of numbers 06 03 16 F9 03 80 00 A0 FF 00 C0 1D. It's the 00 A0 that we want. It can be changed up to 07 D0, but 01 90 (an average) seems to work just nicely, thank you.

To err is human, to really mess up you need a computer!

If anyone out there is interested in TRITON's IBM connection called the TURBO XT, give them a call toll-free 1-800-227-6777 and ask for the Turbo XT brochure.

Under the most rigorously controlled conditions of pressure, temperature, volume, humidity and other variables, a computer will still do as it damn well pleases.

In order to raise some funds for our group we intend to copy a procedure used by most other groups to implement their some what meager treasury by issuing a Disk-Of-The-Month. On this disk we shall pack a pile of goodies, programs, utilities and other what-not, mostly stuff that's turned up within the past month. Announcement of disk contents will be at the meeting.

There are only three kinds of people in the world. Those who things happen, them that watch things happening, and t'others which fumble around wondering what happened. Join the ranks of those that make things happen. Get actively involved in what's going on in your User Group!

Support our newsletter advertisers, they support us!
And when you shop there, take the newsletter along. Let them know that you saw their ad.

Remember, the income from the newsletter ads and the sale of disks by our librarian helps keep our membership fees at such a reasonable figure. If you haven't paid yours yet, let's get with it, fellah.

MILWAUKEE AREA USER GROUP
4120 GLENWAY AVE. MILWAUKEE WI 53222

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Next Group Meeting
March 14, 1987
Wauwatosa S&L 7500 W. State
12:00 Noon - 4:00 PM
Next S.I.G. Meeting
March 03, 1987
Security S&L 5555 Pt. Wash.
7:00PM - 10:00PM
Annual Membership Dues
Individual - \$10
Family - \$15

REDUCE DISK DRIVE WEAR

by Ken Schaidt

The disk copy program QUICK COPY II by QUALITY 99 Software has several unique features that, when used properly, will greatly reduce disk head travel and therefore disk drive wear.

This is the only copy program that I know of, that will rearrange the disk while copying so that all file headers are at the beginning of the disk before copying file data. It also unfractures files, this is a file saved by the disk controller in more than one place on the disk. These two features make for a very quiet running disk. Only do this with disks that WILL NOT be changed or have files added, such as a c99 library disk. DO USE with disks with more than 32 files.

If a standard disk is examined with a sector editor you'll find that any file over 32 added, has the header placed after the file data - which can be anywhere on the disk.

One note of caution - any files added after QUICK COPY II, and more than 32, will cause the disk to be noisy again.

QUICK COPY II is available by mail order from TENEX for a mere \$14.95 - which is a real bargain.



But you distinctly said to dump the files.

TALKING "BASIC" SPRITES !
with MINI MEMORY

```

1 CALL CLEAR
2 PRINT "BEFORE LOADING THIS PROGRAM DID YOU REMEMBER TO RESERVE MEMORY BY
KEYING IN:"
3 PRINT "CALL LOAD(-31888,57,108)": "IF YOU DID,PRESS ENTER": "OTHERWISE BREAK
& DO IT!"
4 CALL SOUND(-200,-7,0)
5 INPUT A$
100 CALL CLEAR
109 REM (C) 1985 S.SHAN!!
110 PRINT "IN TI BASIC YOU CANNOT HAVE-"
120 PRINT "SPRITES": "SPEECH": "THE TI99/4A DOES NOT PERMIT-"
130 PRINT "SIMULTANEOUS SPEECH AND MUSIC": "CONTINUOUS AUTOMATIC MUSIC"
139 REM A COUPLE OF SPRITES:
140 CALL POKEY(768,62,15,138,15,150,200,138,15,208)
149 REM MOVING SLOWLY:
150 CALL POKEY(1920,0.5,0.0,0.5,0,0)
159 REM LET'S MOVE THEM!:
160 CALL LOAD(-31878,2)
169 REM AND GIVE THEM AN INTERESTING SHAPE:
170 A$="1030327FFB2"
180 B$="000032FF7070301"
189 REM SET SPEECH ADDRESS
190 ?=-27648
199 REM LOAD SOUND TABLE:
200 CALL POKEY(14700,3,142,15,144,30)
210 CALL POKEY(14705,3,133,13,144,60)
220 CALL POKEY(14710,3,128,15,146,30)
230 CALL POKEY(14715,3,142,15,144,15)
240 CALL POKEY(14720,3,141,17,145,15)
250 CALL POKEY(14725,3,142,15,146,30)
260 CALL POKEY(14730,3,129,20,146,30)
270 CALL POKEY(14735,3,141,17,144,15)
280 CALL POKEY(14740,3,129,20,146,15)
290 CALL POKEY(14745,3,131,21,146,30)
300 CALL POKEY(14750,3,140,23,146,30)
310 CALL POKEY(14755,3,139,26,144,60)
320 CALL POKEY(14760,3,141,17,146,30)
330 CALL POKEY(14765,3,141,17,144,60)
340 CALL POKEY(14770,3,142,15,146,30)
350 CALL POKEY(14775,3,133,13,144,60)
360 CALL POKEY(14780,3,128,15,146,30)
370 CALL POKEY(14785,3,142,15,144,15)
380 CALL POKEY(14790,3,141,17,145,15)
390 CALL POKEY(14795,3,142,15,146,30)
400 CALL POKEY(14800,3,129,20,146,30)
410 CALL POKEY(14805,3,141,17,144,15)
420 CALL POKEY(14810,3,129,20,145,15)
430 CALL POKEY(14815,3,131,21,146,30)
440 CALL POKEY(14820,3,140,23,146,30)
450 CALL POKEY(14825,3,129,20,144,60)
460 CALL POKEY(14830,3,134,00,159,30)
469 REM AND TELL THE CONSOLE "PLAY IT AGAIN TEX":
470 CALL POKEY(14835,0,57,108)
479 REM TELL IT WHERE TO START FROM:
480 CALL LOAD(-31796,57,108)
489 REM TELL IT TABLE IS IN VDP RAM AREA:
490 CALL PEEK(-31747,A)
500 IF A/2(<)INT(A/2)THEN 520
510 CALL LOAD(-31747,A+1)
511 REM LETS HAVE A DISPLAY:
520 PRINT " J": " ]]]": " ]": "::::
529 REM DEFINE CHR$(58) AS A ZERO:
530 CALL PEEKV(1152,A,B,C,D,E,F,G,H)
540 CALL POKEY(1232,A,B,C,D,E,F,G,H)
549 REM TELL CONSOLE TO START PLAYING MUSIC:
550 CALL LOAD(-31794,1)
559 REM WHILE MUSIC IS PLAYING LETS CHANGE THE DISPLAY A LITTLE:
560 FOR T=1152 TO 1231
570 CALL PEEKV(T,A,B,C,D,E,F,G,H)
580 CALL CHAR(42,B$)
589 REM INSERT TIME DELAYS FOR SPEECH:
590 IF T/7(<)INT(T/7)THEN 610
599 REM MAKE IT SPEEK! (SPEECH SYNTH REQUIRED):
600 CALL LOAD(2,70,"",2,63,"",2,72,"",2,70,"",2,64,"",2,80)
609 REM REDEFINE DISPLAYED CHARACTER:
610 CALL POKEY(1512,A,B,C,D,E,F,G,H)
620 CALL CHAR(42,A$)
630 NEXT T
640 GOTO 560
650 END
660 REM TI BASIC REQUIRES MINI MEMORY MODULE PLUS SPEECH SYNTH.
670 REM MAKE LINE 600 A REM IF YOU DON'T HAVE THE SPEECH SYNTH.

```

< < < Fasterm Command Summary > > >

f>	Function	c>	Control	s>	Shift	
f>	0		Toggle Window (On/Off)	*c>	0	Screen Width (40/80)
f>	1		Transmit >7F (delete)	*c>	1	Modem Baud Rate
f>	2		Transmit >14 (ctrl-T)	*c>	2	Toggle Print Spool
f>	3		Transmit >0E (ctrl-N)	*c>	3	Modem Parity
f>	4		Transmit BREAK	*c>	4	Modem 232 Port
f>	5		Window Right	c>	5	Serial Print Parity
f>	6		Transmit >05 (ctrl-E)	*c>	6	Printer Port
*f>	7		Alter Text Color	c>	7	Serial Printer Baud
*f>	8		Alter Screen Color	c>	=	Quit
f>	9		Disk Directory			
f>	K		Start, Reset Timer			
f>	L		Window Left			
f>	=		Quit			* Can be preset with DEFAULT
fs>	D		Duplex Toggle (Half/Full)			

ASCII Files

Receive File		Send File	
f>	B	f>	N
	Name File		Name of File
	Logging starts on ENTER	f>	,
	Printer Name for Print-Out		Select Line-by-line
f>	.		or by Complete File
	Toggle Logging (On/Off)		Chimes on Completion
f>	Y		X-Modem Protocol
	Clear Log Buffer	f>	J
			LineFeed after CR

TE-II Protocol

Receive File		Send File	
f>	N	f>	N
	Name File		Name File
fs>	T	fs>	T
	Enter TE-II Protocol		Enter TE-II Protocol
	Select File	f>	,
	Enter to Start Transfer		Start Transfer

X-MODEM Protocol

Receive File		Send File	
f>	N	f>	N
	Name File		Name File
fs>	X	fs>	X
	Enter X-Modem Protocol		X-Modem Protocol
R	To Receive	S	To Send
	Choose CRC Chsck (Y/N)		Transfer Automatic
f>	4		
	Aborts		

Using Print Spooler

c> 2 Toggle Printing (On/Off)

Printing Screen Dump

f> 0 Freeze Screen
 Scroll Back (Space Bar - Fast, S - Slow)
 fs> P Dump Screen
 f> 0 Unfreeze and Return

Cursor Control f> E,S,D,X or c> I,J,K,M

BULLETIN BOARD REVIEW

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Currently EASY CHAIR 1 is open, and EASY CHAIR 2 is busy making new revisions for our users. Users will be notified when that system is up and ready for service.

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.....
! SysOps ! Scott and Bill !
.....

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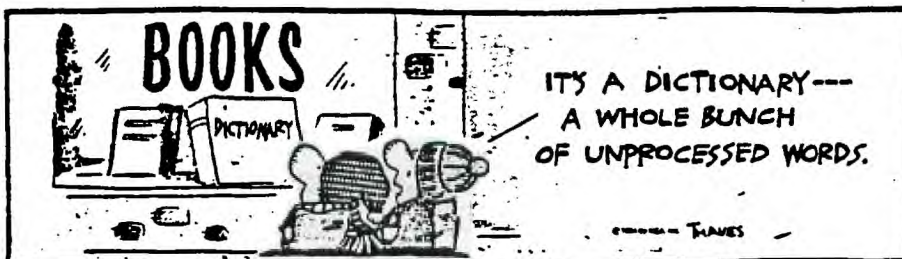
F R E E W A R E & P U B L I C D O M A I N

Below is a list of Freeware and Public Domain programs of recent vintage. And by no means is this complete. There are more out there and still more coming everyday. Many are in our library and most of us have some of them but how few of you have sent in something to the authors? Yes, I'll admit some of the programs are not all that great or usefull to you, but others are exceptional and in use constantly, and you would be really lost without them. In all fairness to these authors, and to keep them writing and upgrading their software, some payment should be made. This does not mean just the library's copying cost either! We realize it would be bothersome sending out a few bucks to each and every author so our group will now be collecting donations from you, for each freeware program that you feel is deserving, and then send the total amounts collected to them. Who knows? This could even send Jim Schroeder back to usefull programming!

FLAMELESS - McGovern, 215 Grinsell, Kotara NSW 2289 Australia.
 FASTEFF - P Charlton, 1110 Pinehurst, Charlottesville VA 22901
 MASSTRANSFER - Olson, 25322 W Wayside Pl, Lake Villa IL 60046
 DM1000 - B Caron, POB 2144 Station D, Ottawa, Ontario K1W-5W3
 2D GRAPHICS - J.P.Morin (Same Address as Above)
 GPL COMPILER - Ottawa 06 (Same as Above)
 MISC ML UTIL - A Green (Same as Above)
 GRAPHIC LASER - S McWatty (Same as Above)
 MASSCOPY - Steve Lawless, 2514 Masla Ave, Wilmington DE 19808
 11 FORTH DISKS - Forth Center, 4122 Glenway, Tosa, WI 53222
 C COMPILER - C Pulley, 38 Townsend, Burlington Ontario L7T1Y6
 SUPER ZIP - Clint Pulley (See Above)
 9900 EFFECTHROU - Clint Pulley (See Above)
 REDISKIT - J Schroeder, 2955 N Holton, Milwaukee, WI 53212
 REFRACY - Jim Schroeder (See Above)
 DISFORM - Jim Schroeder (See Above)
 X-DIGIT - Fred Hawkins, 1020 No 6th St, Allentown PA 18102
 SUPERDIS II - E Dohmann, Rt 5 Box 84, Alvin TX 77511
 TX-WRITEP - Tom Knight, 7266 Bunion Dr, Jacksonville FL 32222
 SUPER DISK DUPLICATOR - Tom Knight (See Above)
 NEATLIST - Danny Michaels, Rt 9, Box 460, Florence, AL 35630
 SCREENJMP - Danny Michaels (See Above)
 T1865 REFESION 5 - Ralph Fowler, POB 383, Kennesaw, GA 30144
 PILOT 99 - T Weithofer, 1000 Harbury Dr, Cincinnati OH 45220
 FREEZE - Wa Warren, 2373 Ironton St, Aurora, CO 80010
 ARCHIVER - B Traver, 835 GreenValley, Philadelphia, PA 19128
 T1865 BBS - Monty Schmidt - Wingra St., Madison, WI 53714
 COMPACTOR - Monty Schmidt (See Above)
 UNCOMPACTOR - Monty Schmidt (See Above)
 CREATIVE FILING - M Beck, 166 Delaware, Jacksonville AR 72076
 4 BASIC-XB DISKS - G Hitz, 4122 Glenway, Wauwatosa WI 53222
 MASTER CATALOG - M McDermick, 215 A Yorkton, Ft Lee, VA 22031
 EASYSRITE - T Freeman, 515 Alma Real, Pac Palasides CA 90272
 DISASSEMBLER - M Kroll, 218 Kaplan Ave, Pittsburg, PA 15227
 DIRECTOR 99 - Neal & Burt, POB 216R, Romeoville IL 60441
 CATALOG LIBRARY - Marty Kroll (See Above)
 990 99er BBS - Hoogendoorne - 21 Long St, Burlington MA 01803
 DISK MANAGER - Kaplan 5802 N Western, Apt 35 Chicago IL 60659

JOB FREEWARE - John Behnke, 5755 W. Grace, Chicago, IL 60634
 LOAD A/L MENU - Barry Boone, POB 1233, Sand Spring, OK 74063
 COPY MASTER - Barry Boone (See Above)
 FILEREADER - Martin Smoley, 6149 Bryson Dr, Mentor, OH 44060
 LAWNMOWER - Gary Cox, 3174 Meibourne, Memphis, TN 38127
 WEATHER FORECASTER - Gary Cox (See Above)
 AMNION HELPLINE - 115 Carl St, San Francisco, CA 94117
 MAIL CALL - Gary Watts, 1739 Burning Tree, Vienna, VA 22180
 TOOLKIT - S.J.Trencansky, 621 Lacav Dr, Endwell, NY 13760
 SPREADSHEET - P Chalamish, 110 Post Av, Apt 104, NY, NY 10034
 42 PROGRAMS - S. Paterson, 2351 Ragan Woods, Toledo, OH 43614
 DISASSEMBLER - LeBlanc, 8719 E. SanLucas, Scottsdale AZ 85259
 T199-OPOLY - R Mudie, 47 Berowra Waters R, NSW 2081 Australia
 SPRITE BUILDER - Tavior, 2170 Estaline Dr, Florence AL 35630
 RAPID SPELL - J Switalski, 218 Lake St, Northville MI 48167
 TRAMETER - H Arnold, 210 Beech Valley, Lewisville NC 27023
 FONTFONT - H H Arnold (See Above)
 TEATH - K Caruthers, 3537 Faberge Way, Sacramento CA 95826
 DISK UTILS - J Birdwell, 501 S Edson Ave, Lombard IL 60148
 SUPER CAT - L Duke, 4704 Palo Duro NE, Albuquerque NM 87110
 BACKUP - M Ballman, 271 NW 43 St Apt 3, Oakland Park FL 33309
 2 MUSIC DISKS - B Knecht, 815 Yorkshire, Pasadena TX 77503
 VCR GUIDE - Bill Knecht (See Above)
 HOMESEEK MODULE - D Rozer, 213 Earl St, Walbridge OH 43465
 TI-85 - David Romer (See Above)
 NORCAL UTIL - SW Software, POB 4242, Santa Rosa CA 95402
 HAM ANTENNA - T Robinson, POB 76799, Vancouver BC, Can. V5R5S7
 COMBINER - N Iacovelli, 1411 N 36, Melrose Park, IL 60160
 SIDEPRINT - J Swedlow, 771 Kirby Way, Stanton, CA 90680
 HBMPRINT - B Lawson, 15223 Mill Point Dr, Houston, TX 77059
 SUPERSAVE - E Olson, 5155 Rabbit Ears, Colorado Sp, CO 80919
 WHEEL OF THE CENTURY, B viering, POB 29107, Dallas, TX 75229
 SPELLCASER - J Switalski, 218 Lake St, Northville, MI 48167
 WFTS:IDE 99er - J Bartle, Chicago TI User Group
 FRACTAL EXP - S Langguth, 2965 S Barnes, Springfield MO 65804
 BA-WRITER - P Bagnaresi, 20097 San Donato, Milanese, Italy
 BASIC BUILDER - P Bagnaresi (See Above)
 STAR UTILS - M Riccio, 953 Fillmore St, Philadelphia PA 19124
 MAX-RL - T Watford

FRANK & ERNEST



1410 N(1)=0	1530 IF N(3)<>4 THEN 1550	1650 L=1	1770 M=2*L-10*P+36
1420 N(2)=0	1540 W=1	1660 U=V(1)	1780 CALL HCHAR(P,M,144)
1430 N(3)=0	1550 IF N(2)<>0 THEN 1580	1670 FOR J=2 TO 100	1790 IF W=0 THEN 660
1440 FOR J=-2 TO 2	1560 E=6(N(3)+1)	1680 IF U>V(J) THEN 1710	1800 PRINT "I WIN"
1450 K=B(I+J*L)+1	1570 GOTO 1590	1690 L=J	1810 FOR X=1 TO 300
1460 N(K)=N(K)+1	1580 E=F(N(2)+1)	1700 U=V(J)	1820 NEXT X
1470 NEXT J	1590 FOR J=-2 TO 2	1710 NEXT J	1830 INPUT "ANOTHER GAME ? "
1480 IF (N(2)=0)+(N(3)=0) THEN 1500	1600 T=I+J*L	1720 IF U>0 THEN 1750	:X\$
1490 RETURN	1610 IF B(T)<>0 THEN 1630	1730 PRINT "DRAWN GAME"	1840 IF SE\$(X\$,1,1)="Y" THEN
1500 IF N(2)<5 THEN 1530	1620 V(T)=V(T)+E	1740 GOTO 1810	N 150
1510 PRINT "YOU WIN"	1630 NEXT J	1750 B(L)=2	1850 END
1520 GOTO 1810	1640 RETURN	1760 P=2*INT((L-1)/10)+3	

Problem:

Some floppy disk drives will write on floppy diskettes with black write protect tabs.

Solution:

Use only silver write protect tabs. Some floppy drives depend on reflected light to determine if a write protect tab is present.

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Up to 24k GPL programs can be developed and run on standard 32k systems. Included in the run time version are two demonstration programs and "CONVERT," a public domain conversion program that converts MS BASIC statements to TI BASIC statements. Price: \$21.00 CDN funds \$15.00 US funds.

GPL price Reduction

ENHANCED GPL Assembler V2.1 NOW with high memory loader package

UNLOCK ALL THE SECRETS! New GPL Assembler Version 2.1 available exclusively through RYTE Data.

This program provides the power to write, edit and assemble true GPL programs for the TI 99/4A. Create code that accesses console operating system routines directly. Develop programs that use the GPL Interpreter and all the features of the TI 99/4A.

This package includes the GPL Assembler disk, printed documentation, GPL tips and hints, update support service and commented GROM/ROM listings (with the book "INTERN"). An example for a command module type GPL program is included with source, object and list files on disk.

Requires: 32k memory, disk drive(s), TI Editor Assembler package. Printer/RS-232 recommended.

R/D COMPUTING Technical Newsletter

with Bill Gronos on assembly!

We have a vision. Our vision is one of continued TI 99/4A support. We're dedicated to the power of the machine. From the novice to the experienced computer user; for management, home, education, entertainment or advanced applications our publication "R/D COMPUTING" is for you. TI never revealed all the important inner workings of the 99/4A. We bring you this vital information every month.

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