

NEW HAMPSHIRE 99'er

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AUGUST 1988

NEWSLETTER VOL 6 NO. 8
POB 5991 MANCHESTER, NH 03108

New Hampshire

CLUB NEWS

by Paul Bendeck, President

>OLD

Over the past two meetings there has been a discussion about changing the date and time for club meetings. A vote was taken at the last meeting to change the date for the meeting from the first Monday of the month to the second or third Monday. After checking with Doug Heuser of the SEE Center, we selected the third Monday of the month as the new permanent date for club meetings. In addition, the club also voted to change the starting time of the meeting to 6:30 PM. In case you haven't checked your calendar yet, the next meeting is September 19 at 6:30 PM at the SEE Center in Manchester, NH. I hope this is good news to most members.

This issue of the newsletter contains the latest membership listing which includes other clubs and organizations to whom we send our newsletter. Please check to see that your name, address, telephone number, and renewal date (RDATE) are correct. There have been some recent problems with people not receiving their newsletter because we had incorrect mailing information. Please notify the club via mail or at any meeting of changes.

At the last meeting, the club voted to replace the partially working disk drive in the club system with two DS/DD disk drives at a cost of \$70. The replacement drives should be available by the next meeting. Maybe we can have a hardware session on hooking them up!

About 6 months ago, the club began offering MicroPendium magazine to paid members at the bulk discount price of \$1 per copy. Approximately 12 people signed up for this offer. However, over the last several meetings we have been ending up with several extra copies, which the club must pay for. We also cannot afford to mail these to people.

If you can't make it to the meetings to pick up your copy, then we will have to cut back on our bulk order. As an alternative we may require that people pre-pay for a 6 month period in order to continue receiving this club benefit. We currently have the following back issues of MicroPendium available for \$1.00 each:

February 1988, 2 copies
March 1988, 1 copy
April 1988, 1 copy
May 1988, 1 copy
June 1988, 3 copies
July 1988, 6 copies

>NEW

The latest listing of the club software library is included in this issue. Please read the comments at the end of the listing regarding ordering instructions. We will continue to have recent selections available at the meetings.

The club educational seminar series was initiated at the August meeting with a very informative presentation on TI WRITER's Editor functions. Curtis Provance gave an informal overview and interactive demonstration of each editor command along with some useful tips for creating documents. All of the function and control keys were explained in depth. There was something to learn even for the experienced TI WRITER user. Next month Curtis will continue this session with an overview of the Formatter in TI WRITER.

TI SYSTEM/PARTS FOR SALE

TI-99/4A expanded system with 32K, disk drive, Extended Basic, quiet fan, modified console, \$250.

E/A 8K RAM cartridge, \$25.

TI-99/4A console - original, \$40.
Books, software - inquire at next meeting.

Richard J. Bailey
603-332-7855

Library listing as of 7-11-88

****NOTE:** FAIRWARE means you are **expected** to pay the author of the disk what you feel the disk is worth, usually <\$10. We only charge for the blank disk and copying. Make FAIRWARE (FREEWARE) WORK. PAY!

DISKNAME	LANGUAGE	COMMENTS	COMMENTS	COMMENTS
9900_INFO	TI-WTR	Reference material on A/L and disk		
ADVENTURE1	BASIC	text and graphic adventure games		
ANIMATION	XBASIC	Great animation demo from Germany		
ASGARD/PD1	XBASIC	Public domain music software from Asgard.		
ASGARD/PD2	XBASIC	Public domain music software from Asgard.		
ASGARD/PD3	XBASIC	Public domain music software from Asgard.		
ASGARD/PD4	XBASIC	Public domain music software from Asgard.		
ASGARD/PD5	XBASIC	Public domain music software from Asgard.		
ABBY_GAMES	XBASIC	arcade quality games. 32K/speech synth. required		
B_TRAVER#1	XBASIC	good demos and utilities on this FAIRWARE disk.		
BASIC81-9	BASIC	T.I.'s basic lessons on disk.		
BEST/HYMNS	XBASIC	Bill Knecht's tunes with graphics.		
BEST/SONGS	XBASIC	Bill Knecht's tunes with graphics.		
BESTSONGS2	XBASIC	Bill Knecht's tunes with graphics.		
C99REL3	E/A	Latest update to:	\	
C99REL3+	E/A	Curt Pulley's FAIRWARE "C" language.	\	
C99UPDATE	E/A	Modifications to the C99REL1 disk.	> \$6.50	/
C-TUTORIAL	E/A	Demo programs and info for "C".	/	
CALENDAR	XBASIC	FAIRWARE disk of calender programs with documentation.		
CALENDAR2	XBASIC	makes a calendar with notation.		
CARTBUSTER	E/A-8K	save rom/prom cartridges to disk. SUPERCARTRIDGE required		
CAT_LIB	XBASIC	Good program to catalog your disk library. "FAIRWARE"		
CONGOBONGO	E/A	arcade quality game.		
DASSM*V1/3	E/A	disassemble your assembly programs.		
DAYTONA99	XBASIC	collection of demos/utilities from Daytona User Group.		
DAVISDISK	XBASIC	programs from Davis' book.		
-DIRECTOR-	XBASIC	Gives good, fast, sorted directory for your library.		
DM10003/7	XBASIC+	DM II replacement. Everyone should have this one!		
DVUG/2D5	XBASIC	Shuttle-graphics and music from Deleware UG.		
FTERM/DIAL	XBASIC+	Terminal emulator/Hayes autodialer program:TE II, XMODEM.		
FINANCE	XBASIC	Financial programs.		
FRAC-EXPLR	E/A	Interesting program using fractal geometry		
FRENCH	XBASIC	Plotting and graphic routines-Interesting		
FNLWEB_3#4	XBASIC	Version 3.4 of FunnelWeb.		
FUNPLUS!	XBASIC	Utilities for use with FunnelWeb.		
GAMES_01	XBASIC	Games. CHINACHESS is interesting.		
GEMINI	XBASIC	A disk full of 10-X demos.		
GLPDEMO	XBASIC	Printer demos for the Centronics GLP printer.		
GRADEBOOK	XBASIC	Gradebook and flashspelling programs w/documentation.		
GRAPHX	GRAPHX	6 pictures to be used with the GRAPHX package.		
GRAPHXART1	GRAPHX	Flippy with GRAPHX clipart.		
GRAPHXPIX1	GRAPHX	Flippy with 12 GRAPHX pictures.		
GRAPHXPIX2	GRAPHX	Flippy with 12 GRAPHX pictures.		
GRAPHXPIX3	GRAPHX	Flippy with 12 GRAPHX pictures.		
GRAPHXPIX4	GRAPHX	Flippy with 11 GRAPHX pictures.		
GRAPHXPIX5	GRAPHX	Flippy with 11 GRAPHX pictures.		
GRAPHXPIX6	GRAPHX	Flippy with 11 GRAPHX pictures.		
H8MPRINT	HBM	Dump HBM files to printers.		
INNOVATIVE	XBASIC	Programs from Innovative Programming.		

INCOME_TAX
INSTANCES
IS&
I88/MUSIC
JET-D8K01A
JET-D8K01B
JET-D8K02A
JET-D8K02B
KERMIT
KNIGHTDISK
LABELER
LOGO_DISK
MASS-V4.0
MASSCOPY
MASTERDISK
MAXRLE
MENTOR
MENU_V7/2
M8-ADV/JET
MUSIC
MUSIC2
MUSICOMPLR
MUSIC_MAKR
NEATLIST
NH99ER8#1
NH99ER8#2
NH99ER8#3
OHMUMMY
ON_D18KJ/A
ON_D18K4_1
ON_D18K4_4
ON_D18K4_5
ON_D18K5_1
ON_D18K5_2
ON_D18K5_3
ON_D18K5_4
ON_D18K5_6
OSCAR1
OSCAR2
PILOT
PILOT_DOC
POTPOURRI
PRBASE
PRBASE/DOC
PROGRAM8
RAM/SOFT
RODSK200
SAMUSIC/1
SAMSGAME81
SAMSGAME82
SCREENDUMP
SIDEPRINT
SILVERWOLF
>>SPACE!<<
SPEECH_DSK
STAR
SUPERBUGII
SUPERCART

MP 1984 income tax template for multiplan.
TI_ART 57 instances for TI-ARTIST. "FAIRWARE"
XBASIC Arcade games.
XBASIC Music programs.
XBASIC Good FAIRWARE disk from John Taylor. \
XBASIC More of the above. > \$5 FLIPPY
XBASIC John Taylor FAIRWARE sprite building program. > \$5 FLIPPY
XBASIC 127 sprites for the above FREEWARE disk. /
E/A The KERMIT program for the T.I.
XBASIC FAIRWARE disk of utilities from Knight (TK-WRITER).
XBASIC Use CSGD graphics to create mailing labels.
LOGOII Good demo of LOGOs power.
XBASIC Mass Transfer Version 4.0.
XBASIC Latest version of this FAIRWARE disk copier. V3.25
XBASIC Directory program.
XBASIC Great program for viewing RLE, GRAPHX, TI-ARTIST pictures.
XBASIC Bargraph, monopoly, draw-poker, other goodies.
HRD Great menu program for Horizon Ram Disk-A MUST!
XBASIC Adventure game.
XBASIC Moore music programs for the T.I.
XBASIC Moore music programs for the T.I.
E/A BASIC loader allows music playing as other program runs.
MUSIC Music for the MUSICMAKER cartridge.
XBASIC FAIRWARE programming aid disk from Danny Michael.
XBASIC Games, music, word processor, speech, and graphics.
XBASIC Games for the T.I.
XBASIC Graphics, games, and utilities.
XBASIC Great E/A game with XB loader program.
----- Programs from HCM in various languages.
----- Programs from HCM in several languages.
BASIC Programs from the OSCAR reader.
BASIC Programs from the OSCAR reader.
E/A The PILOT language. \FLIPPY
XBASIC PILOT documentation w/print function. (1.5hrs !) > \$5
XBASIC Games and utilities. Includes diskjacket/disk labeler.
XBASIC Database. \
XBASIC Instructions for above. > \$5 FLIPPY
XBASIC A disk of programs from Paul Johnson.
XBASIC Craps game.
XBASIC Gamma match antenna design for hams.
XBASIC Moore songs.
XBASIC Programs from the SAMS book. \
XBASIC Continuation of above. > \$5 FLIPPY
XBASIC Or basic. A must FAIRWARE disk from Danny Michael.
XBASIC Print sideways with multiplan on Gemini printers.
E/A Assembly language utilities.
XBASIC Space games with graphics. not as flashy as some.
XBASIC See and hear Lincoln speak! Speech synthesizer required.
XBASIC FAIRWARE display enhancement package. Good.
E/A Debugger. Including one for the E/A-8K SUPERCARTRIDGE.
E/A-8K Programs to use with super cartridge.

TASS	XBASIC	T.I. Artist slideshow. displays all TI-ARTIST pictures.
TAX-INVEST	TIMP	Multiplan overlay.
TELCO	E/A	Good terminal emulator.
TEST	XBASIC	TI diagnostic disk. Check out your system.
TEST_DOCS	TI-WTR	Docs for TEST and TESTSYSTEM
TESTSYSTEM	MM	TI diagnostic disk. Check out your system.
TI-ARTIST1	TI-ART	TI-ARTIST pictures from Barry Travers
TI-ARTIST2	TI-ART	TI-ARTIST pictures. Disney characters.
TI-ARTIST3	TI-ART	TI-ARTIST pictures. Norman Rockwell.
TI-ARTIST4	TI-ART	TI-ARTIST pictures. Digitized pictures.
TI-ARTIST5	TI-ART	TI-ARTIST pictures. From StarTrek.
TI-ARTIST6	TI-ART	TI-ARTIST pictures. From StarTrek.
TI-ARTIST7	TI-ART	TI-ARTIST pictures. From StarTrek.
TI/DEMO	BASIC	Several demos T.I. gave to their dealers.
TIPS	XBASIC	Tips from the Tigercub.
TI-SINGS	TE II	Hear your computer sing! Speech synth. required.
TI-SINGSXB	XBASIC	Xbasic version of above. NH99ER exclusive.
TI-SORT	E/A-8K	Assembly language sort routines for E/A-8K SUPERCARTRIDGE.
TIMP&TIWRT	WTR-MP	Updates for TI-WRITER and MULTIPLAN.
TK*8*DUP	XBASIC	Disk copier program.
TRIVIA99ER	XBASIC	Trivia database.
TRIVIABASE	XBASIC	Another trivia database.
VIDEODEMOS	XBASIC	A must have graphics demo.
WORDCOUNT	XBASIC	FAIRWARE assy. lang. utility. GOOD
WORKHORSE	XBASIC	Good collection of utilities. Don't miss this one!
XB-GAMES	XBASIC	Arcade quality games.
XB-GAMING1	XBASIC	More arcade quality games.
XB-LESSONS	XBASIC	T.I.'s xbasic lessons on disk.
XBASIC-UT1	XBASIC	Great utility disk from Travers. > \$5 FLIPPY
XBASIC-UT2	XBASIC	More of the above. /
XMAS	XBASIC	Christmas songs.
X_D	E/A	Assembly language utility and demos.

The service charge per DISKNAME is **\$3.50** unless otherwise noted. The asterisk after a DISKNAME indicates that the increased charge is due to printed documentation. **PLEASE...** it is impossible to anticipate everyone's needs. Even if you are only interested in a selection, let the librarian know so he can have copies ready for the meeting. **NO COPYING WILL BE DONE AT THE MEETINGS!** As you know, our disks are supplied with labels and are write-protected. Please use these disks as your **MASTERS** only! From time to time there have been updates to programs such as DM1000, which we provide free of charge for those who have "bought" the software from us. Your MASTER must be returned for proper credit. Thank you for your patience in awaiting this listing. If you have further questions, please contact the librarian: Richard J. Bailey - 68A Church Street - Gonic, NH 03867 (603) 332-7855

NH99'ERS MEMBERSHIP LISTING

8/8/88

PAGE 1

#	FIRST NAME	LAST NAME	ADDRESS	CITY	STATE	ZIP CODE	RDATE	HOME PHONE
1	THE_DAYTON	99'ERS	POB 15232	DAYTON BEACH	FL	32051	9901	
2	ST.LOUIS	99'ERS	POB 260326	CRESTWOOD	MO	63126-9998	9901	
3	SAN_ANTONIO	99'ERS	PO BOX 2509	UNIVERSAL CITY	TX	78148	9901	
4	NORTH_EASTERN	99'ERS UG	76 HERSCHEL ST.	PROVIDENCE	RI	02909	9901	
5	LTC_CHRIS_C.	AGRAFIOTIS	30 S. MAIN ST.	HOOKSETT	NH	03106	8903	603/485/5017
6	JOHN_D.	ARDUINO	63 FISHER AVE.	NEWTON HIGHLANDS	MA	02161	8810	617/969/1816
7	RICHARD_J.	BAILEY	68A CHURCH ST.	GONIC	NH	03867	8806	603/332/7855
8	THE_SUNCOAST	BEEPER	945 MINTOCELLO BLVD. NORTH	ST. PETERSBURG	FL	33703	9901	
9	PAUL	BENDECK	29 CROSS ROAD	AMHERST	NH	03031	8904	603/672/0084
10	LES	BLUNDON	PO BOX 3733	NASHUA	NH	03061	9008	603/883/0583
11	ROBERT_A.	BOUCHARD	972 MAMMOTH RD.	MANCHESTER	NH	03104	8903	603/623/1422
12		C.D.N.N.I.	181 HEISCHMAN AVE.	WORTHINGTON	OH	43085	9901	
13	ROBERT_C.	CASON	RFD1-5 GIBSON DR.	LITCHFIELD	NH	03051	8810	603/424/9943
14	THE_SEE	CENTER	324 COMMERCIAL ST.	MANCHESTER	NH	03101	9901	603/669/0400
15	GREAT_LAKES	COMPUTER GROUP	PO BOX 7151	ROSEVILLE	MI	48305	9901	
16	LA_99'ERS	COMPUTER GROUP	PO BOX 67A79	LOS ANGELES	CA	90067-1079	9901	
17	BYTEMASTER	COMPUTER SERV	171 MUSTANG ST.	SULFER	LA	70663	9901	
18	BOSTON	COMPUTER TI99	ONE CENTER PLAZA	BOSTON	MA	02108	9901	
19	SSGT_DONALD	COPELAND EAR99	PCS BOX 5927	APO	NY	09179-5379	9901	
20	ROBERT	CUNNINGHAM	BOX 656 R02 WYMAN RD.	KEENE	NH	03431	8805	603/352/0324
21	PHIL_C.	DAVIS	70 FENTON AVE.	LACONIA	NH	03246	8902	603/524/2312
22	VINCENT	DEMERS	6 PINETREE LANE	MERRIMACK	NH	03054-3222	8905	603/424/3538
23	BRIAN	DOANE	11 McQUESTEN CIRCLE RFD	HUDSON	NH	03051	8810	603/424/6912
24	TOM	DUPRAS	27 HANSON RD.	CHESTER	NH	03036	8807	603/895/4006
25	RICHARD	FANNON	45 COBURN ST.	MANCHESTER	NH	03102	8806	603/668/2744
26	ALAN_D.	GARDNER	352 GRANGE ROAD, RFD #2	NORTH SMITHFIELD	RI	02895	8902	401/766/3937
27	ROBERT_H.	GUY	RRI BOX 317 FITZGERALD RD.	RINDGE	NH	03461	8904	603/899/5163
28	TOM	GUYETTE	76 BROADHEAD AVE.	MANCHESTER	NH	03103	8808	
29	GLENN_A.	HAMMOND	7 RAY ROAD	HENNIKER	NH	03242	8807	603/428/3335
30	ELLIOT_F.	HARDY	617 CHESTER TURNPIKE	CANDIA	NH	03034	8905	603/483/2702
31	NET99'ER	HCUG	PO BOX 534	HURST	TX	76053	9901	
32	EUGENE	HEAL	KENNINGTON RD.	HAMPTON FALLS	NH	03844	8807	
33	BOB	HEWITT	108 WESTCHESTER DRIVE	MILFORD	NH	03055	8907	603/673/1134
34	HERBERT_E.	HODGDON	14 HOLT ST.	CONCORD	NH	03301	8903	603/225/6027
35	EUGENE_L.	HOSKINS	10 TOWNHOUSE RD.	MANCHESTER	NH	03103	8805	603/644/8246
36	JIM	JAGIELSKI	ROUTE 2 BOX 626	SANBORNVILLE	NH	03872	8808	603/522/8952
37	PAUL_E.	JOHNSON	POB 145	TOWNSEND	MA	01469	9003	617/528/3188
38	ALVIS_E.	JORDAN	POB 244	HAMPSTEAD	NH	03841	8902	603/329/6880
39	ATTN: RICK	KELLOG C/D UG	416 PINEWOOD AVE.	PIQUA	OH	45356	9901	
40	HELENE_M.	LABONVILLE	121 CAMELOT DR. RFD #5	BEDFORD	NH	03102	9901	603/472/3369
41	MIKE	MANNION	WILDWOOD HC60 BOX 194I	TOLLAND	MA	01034	9901	413/258/4796
42	LOUIS_J.	MARCOUX	55 RUTH AVE.	MANCHESTER	NH	03103	8903	603/622/9610
43	DAVID_C.	MILLER	RR #1 BOX 406 BUCK ST.	PEMBROKE	NH	03275	8901	603/485/9189
44	BILL_SABER	NEW HRZNS CMPT	612 MEADOW SPRING RD.	MAUMEE	OH	43537	9901	
45	THE_ROM	NEWS LETTER	17301 SANTA ISABEL ST.	FOUNTAIN VALLEY	CA	92708	9901	
46	MICHAEL	O'MEARA	172 CEDAR HILL DR.	MANCHESTER	NH	03103	8909	603/625/5157
47	GEORGE_OLESON	OBIS CO.	POB 1061	MANCHESTER	NH	03105	9901	603/668/4245
48	CURTIS_ALAN	PROVANCE	17 CONSTANCE ST.	MERRIMACK	NH	03054	9002	603/424/7624
49	RICHARD_E.	QUIMBY	15 SIOUX AVE.	NASHUA	NH	03063	8806	603/889/0339
50	THORNTON_H.	ROUND	125 WEST CLARKE ST.	MANCHESTER	NH	03104	8806	603/669/5553

NH99'ERS MEMBERSHIP LISTING

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PAGE 2

#	FIRST NAME	LAST NAME	ADDRESS	CITY	STATE	ZIP CODE	RDATE	HOME PHONE
51	WILL_A.	SANBORN	RFD #2	WARNER	NH	03278	8807	603/456/3368
52	MICHAEL_A.	SARRO	141 EASTERN AVE., APT. 104	MANCHESTER	NH	03104-4631	8901	603/622/2784
53	JODI	SCALTRETO	POB 1310 (266B GOULD PND RD)	HILLSBORO	NH	03244	8803	603/428/7366
54	MICHAEL_F.	SCANLON	16A STREET	HUDSON	NH	03051	8805	603/886/4924
55	TIGERCUB	SOFTWARE	156 COLLINGWOOD AVE.	COLUMBUS	OH	43213	9901	
56	JIM	SPILLER	141 HAYWARD ST.	HOPKINTON	MA	01748	8812	617/435/5987
57	DR._GUY	STEFAN	116 CARL ST.	SA FRANCISCO	CA	94117	9901	
58	PAUL	STELLO	R.D. 4, BOX 144	WEST BRATTLEBORD	VT	05301	8904	
59	NUTMEG	TI-99'ERS	10 JOLLY RD.	ELLINGTON	CT	06029	9901	
60	BARRY	TRAYER	835 GREEN VALLEY DRIVE	PHILADELPHIA	PA	19128	9901	215/483/1379
61	EDWARD	TREZSENIOWSKI	7 HERITAGE DR.	CLAREMONT	NH	03743	8803	
62	ATLANTA_99/4A	USER GROUP	POB 19841	ATLANTA	GA	30325	9901	
63	TI_RIVERSIDE	USER GROUP	3009 ARLINGTON AVE.	RIVERSIDE	CA	92506	9901	
64	DELAWARE_VALLEY	USER'S GROUP	POB 6240 STANTON BRANCH	WILMINGTON	DE	19804	9901	
65	EDMONTON	USER'S GROUP	PO BOX 11983	EDMONTON, ALBERTA	CANADA	T5J-3L1	9901	
66	MIKE	VEPRAUSKAS	TEMPLE RD. RFD #1 BOX 556	NEW IPSWICH	NH	03071	8801	603/878/3764
67	BRIAN	WALLACE	5 DRYDEN AVE.	NASHUA	NH	03062	8806	603/888/2720
68	DOUGLASS_A.	WHITE	46 SPRING HILL TERRACE	CHESTNUT RIDGE	NY	10977	8903	914/425/4843



SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5 LABOR DAY	6	7	8	9	10
11 GRAMA GRAMP DAY	12	13	14	15	16	17
18	19 NEXT MEETING	20	21 YOH KIPER	22 1ST DAY AUT- UAH	23	24
25	26	27	28	29	30	

				1	2	3
4	5 LABOR DAY	6	7	8	9	10
11 GRAMA GRAMP DAY	12	13	14	15	16	17
18	19 NEXT MEETING	20	21 YOH KIPER	22 1ST DAY AUT- UAH	23	24
25	26	27	28	29	30	

CERTIFICATE '99 V2.0
A REVIEW

Richard J. Bailey
68A Church Street
Gonic, N.H. 03867
NH99ER USER GROUP

Everyone who knows me knows how much I love graphic and utility programs, so, like Steven Mehr, I looked forward to receiving a copy of CERTIFICATE 99 (version 1.0) by Great Lakes Software. I found problems with font 5 being about two pixels too high and the other problems Steven mentioned in his review (MICROpendium December, 1987). Overall the program impressed me but the problems, especially writing the last certificate created to the master disk each time you used the program disturbed me. Rather than write a review of CERTIFICATE 99 I chose to write to Great Lakes Software listing the problems I found and complaints I had. Great Lakes was very receptive and wrote that they would try to modify the program to take care of the problems, add some new features, and possibly incorporate some features I had suggested. Before I got a copy of version 2.0, Steven's review of version 1.0 was printed in MICROpendium. While it was a good review, I thought it tended to stress the negative rather than the positive aspects of the program. My view was that no program like this existed for the TI, it did exactly what it promised, and did it quite well—but it had some rough edges. Version 2.0 addresses all my concerns except one and that could not be incorporated because of memory constraints. While the program isn't perfect I feel that it is a big improvement over version 1.0. I'll try to point out all the differences between version 1.0 and version 2.0 in this review but you should reread Steven's review of version 1.0 as well.

First and foremost is that once you write your defaults to the master disk you don't have to write to it again. The instructions say to leave the write-protect tab off the CERTIFICATE 99 disk but it only has to be off if you wish to change the default settings. Not that I would do something stupid, but I like write-protect tabs on all my master disks.

One of the major improvements incorporated in version 2.0 is you can now save certificates to a file disk and give them any filename you wish. You can create a library of often used certificates, ads, etc., and load them whenever you need a similar file created. This ability to load/save files greatly adds to the flexibility and ease of use of the program.

Add to this the ability to load borders/fonts/graphics from a separate data disk and you have a really great program! CERTIFICATE 99 version 2.0 has all the fonts, etc., of version 1.0 but also available is a companion disk with 6 more fonts, 12 more borders, and 48 more graphics that can be used with the program. If you have Joypaint 99 or PAL they can be used to create or convert graphics for the CERTIFICATE program. These 3 programs plus the companion disks give you a family of really good graphics programs that are both fun to use and productive.

The easiest way to describe CERTIFICATE 99 version 2.0 is to go through the steps to load and create a certificate. This is the way the instructions are written and they are quite clear with a couple of exceptions. "FCTN 9" takes you back to the previous screen throughout the program and "FCTN =" (QUIT) is active to exit the program. These are mentioned near the end of the documentation because of the logical flow example but I'd like to see them listed near the beginning of the documentation as well.

CERTIFICATE 99 autoloads from extended basic or can be

loaded with any option 5 loader (E/A #5, TIW #3, MENU, etc.). Also required are 32K memory, disk drive(s), and Epson/Star compatible printer. CERTIFICATE 99 comes complete with parchment paper, seals, instructions, and program disk.

The first change you notice when you load the program is the version number is displayed on the title screen so you know which version you are using. Pressing any key brings you to the message to insert the companion disk if you have it. If you don't have the COMPANION disk pressing ENTER loads the necessary files from the master disk. Both disks are designed to be used in drive #1. The obvious advantages of having the COMPANION disk are the added fonts, borders, and graphics.

Next the prompt "Load a certificate? (Y/N)" appears. Unlike version 1.0, "FCTN 1" and "FCTN 2" won't cause the program to lock-up if they are inadvertently pressed. However any key pressed other than "Y" or "y" is interpreted as "N". I'd prefer a check that only allows "Y" or "N" to be accepted and nothing else. Pressing ENTER to accept the default "Y" will bring you to the "Please enter filename:" prompt. Pressing ENTER accepts the default filename "DSK1.CDATA00". When you receive version 2.0, this is a test certificate which you can modify and resave to suit your needs.

Certificate files aren't really "saved" in the usual sense of the word. The text you enter is saved along with information on which font, border, and graphic files were used to create the certificate along with which disk drive they were loaded from. The advantage of this method is that each certificate file is only 4 sectors long, meaning you can get many certificates on a data disk. The disadvantage is that you must be sure if you created a certificate using the files on the COMPANION disk that you use the COMPANION disk when you try to reload the certificate. Also you have to use the same drive(s) you used to create the certificate because both the drive number and filename used are saved. The manual doesn't mention this but knowing this may save you some grief.

Next is the font selection screen. Depending on whether you are using the COMPANION disk or not will determine whether you see six or twelve font styles displayed on the screen. A sample of each font is displayed on the menu so you can see exactly what each font looks like. Make your selection and choose "Auto-center? (Y/N)" to get to the load border prompt. The default filename is "DSK1.BORDERS01" and both CERTIFICATE 99 and COMPANION have a file by this name. The two differences between version 1.0 and version 2.0 are; 1) you are prompted for a filename and; 2) a new choice has been added as you page through the choices displayed on the screen. "LOAD MORE" brings you back to the load border file prompt where you can enter the name of a new border file to be loaded. Version 1.0 could only display the six designs included with the program whereas version 2.0 can use any number of files you can create with JOYPAIN 99 or PAL and save to your data disk.

After you make your choice for border you make the choice to load graphics in a similar way. You can press ENTER for the default filename (DSK1.GRAPHICS01) or change the name to load a graphics file you've created. As in version 1.0 you are given choices on placement and magnifying the graphic and whether you are using signatures or not. Entering text is still the same with the unique screen editor to give you a visual display of how the certificate is being composed. Text is still centered on whole characters so if you make sure that all the text lines have an even number of characters they will be perfectly centered. I enter a space or change the wording to try to get all the lines to have an even number of characters on both large and small text lines if you're interested in perfect

centering.

What I'd suggest is that you first go through the program loading the default test certificate (CDATA00) and reaccepting all the defaults to print the test certificate as it is. This will give you an idea of how you might want to change the default file to suit yourself. After it is printed you are given a chance to resave it (answer "N") and load another certificate file (answer "N"). Now go through the certificate again changing it to suit your needs. What I did is to choose font "C", no auto-center, the default border, no graphic, no signature, and no text. This prints as a border with nothing added. I found that starting with a blank certificate was easier than changing existing text, etc.. I resaved this file to the master disk using the "DSK1.CDATA00" filename, removed the disk, and put a write-protect tab on the disk. The CDATA00 file on the COMPANION disk has graphic and signature but no text added. You may want to change this file as well if you have the companion disk.

Printing is the same as before with a 30 second pause while the program composes the certificate in memory then printing that takes either 3.75 minutes or 5.5 minutes depending on whether you choose single or double density. The printer I'm using is an Epson MX-80 which is much slower than some of the newer printers so you may get shorter print times than I did. I've included a composite certificate that I made to show you some of the fonts available. While only one font is allowed per certificate. You can print several certificates on the same piece of paper using a different font each time you print to get this effect.

After the certificate is printed you no longer are presented with the confusing color choice menu of version 1.0. The color combination has been set to black on light green which shows up well on both black and white or color monitors. After you have decided whether to save the certificate or not you are back at the first prompt where you can go through the program again or press "FCTN =*" to quit. If you quit you are returned to the T.I. title screen. I'd prefer that pressing "FCTN =*" brought you to another prompt; "Are you sure? (Y/N)" so I wouldn't do something stupid. Quit is active throughout the program so be careful.

CONCLUSION

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While it would be nice to have a speedier editor, provisions to reprint the same certificate without stepping through all the text you've entered, a better check on "Y/N" answers, or a second choice on quitting, these in no way affect the quality of the printed certificate. CERTIFICATE 99 version 2.0 does exactly what it promises and does it quite well. There is no way that a software company can produce a program to please everyone (especially me!). Couple this with the fact that the T.I. doesn't have the horsepower of some of the newer machines. You can't expect the T.I. with limited memory (and support) to compare with an I.B.M. (yek!). What I've found is that Great Lakes Software has been willing to accomodate their customers and they have endured my complaints. What I got for my complaints was a superior program. My rating of CERTIFICATE 99 version 2.0 may be slightly harsher than it should be but I don't believe in giving any rating higher than "A". I gave the documentation a lower rating (B+) because I had to read to the end to find how to quit or go back (FCTN = or FCTN 9) but after you have read the instructions through once carefully, this is no longer a problem. I've tried to be objective and judge the program on its merits. I'm also very impressed with Great Lakes responsiveness and would certainly give them an "A" in

that category. I will certainly look forward to any program that they produce. They have an excellent record of producing original (not cloned) programs of consistant high quality.

Great Lakes has also decided to allow registered owners of version 1.0 to upgrade to version 2.0 at a reduced price. If you send your original disk and \$9.95 plus \$1 S&H you will receive version 2.0. Also available is the COMPANION disk with the added fonts, borders, and graphics at \$9.95 plus \$1 S&H. The best deal for version 1.0 owners is to send your original disk and \$14.95 plus \$1 S&H to receive both version 2.0 and the COMPANION disk.

I should also note that I got a peek at the new version of PAL that allows graphic, border, and font files to be created, converted, and saved for CERTIFICATE 99. One new option allows files to be "crunched" before saving. The process used is called "byte-wise run length encoding" and these crunched files take up 5-14 sectors where files that are saved uncrunched take 25 sectors. Version 2.0 of CERTIFICATE 99 will automatically sense when you are trying to load a crunched file and convert it. You don't need to know whether it is crunched or not. The importance of crunched files is that people with single drives can store more font, border, and graphic files on their data disks. Crunched files cannot be loaded by CERTIFICATE 99 version 1.0, JOYPAINT 99, or PAL version 1.0 but PAL version 2.0 can uncrunch files to be used with these programs.

REPORT CARD

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EASE OF USE	A
PERFORMANCE	A
DOCUMENTATION	B+
VALUE	A
FINAL GRADE	A

Cost:\$19.95 plus \$1 S&H

Manufacturer:Great Lakes Software
804 E. Grand River Ave.
Howell, MI 48843

Requirements:Epson/Star compatible printer
Extended Basic, E/A, Mini-Memory,
or TI-Writer

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The club has an excess inventory of some interesting commercial software, mostly games and education, that we would like to get rid of. The collection includes disk and cassette software as well as command modules and books. As a special promotion we are offering this collection of oldies but goodies for very low prices:

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See the complete listing of available software below:

Schedule of Meetings

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The NH99'ERS User Group meets the third Monday of the month at the Science Enrichment Encounter (SEE) Center, 324 Commercial Street, Manchester, NH. The meetings start at 6:30 PM. New members are always welcome. Below is the schedule of meetings for the rest of 1988:

September 19
October 17
November 21
December 19

CASSETTE PROGRAMS

QTY.	ITEM	PERIPHERALS
5	DEATH STATION	XB-----
8	STARSHIP CONCORD	XB-32K EXP
4	PARTY TRIVIA	-----
4	GREAT INVENTIONS	-----
1	WORD CHALLANGE	-----
1	MATH FLASH I	-----
3	MATH FLASH II	-----
1	BLACKJACK	-----
3	AIR MAIL PILOT	-----
6	COSMIC CAVER	-----
6	AZTEC CHALLANGE	-----
8	COMPUTER COACH	-----
11	STRIKE FORCE 99	-----
9	ASTROMANIA	-----
2	CAVERN QUEST	-----

DISKETTES

5	VIRAL VANDETTA	XB/EA-32K
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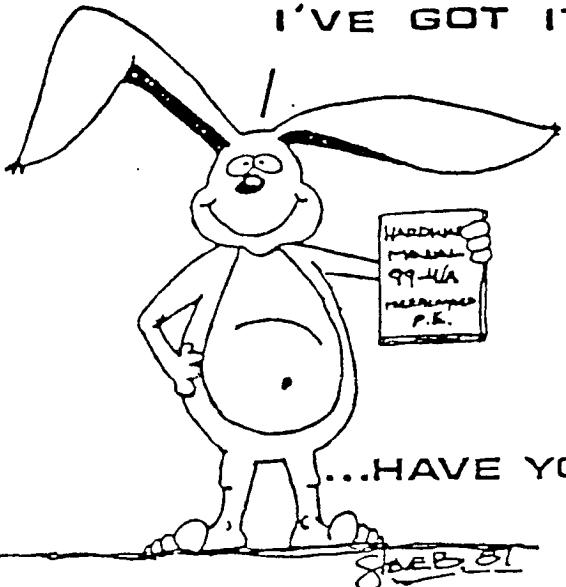
COMMAND MODULES

2	PRINCESS/FROG	JOY STICK
3	HENPECKED	KEY/STICK
1	RABBIT TRAIL	JOY STICK
1	TYPO II	-----

BOOKS

1	TI-994A USERS REF. GUIDE
3	TI-994A BEGINNERS GUIDE
6	TI-994A PROGRAMS/STEVE DAVIS

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