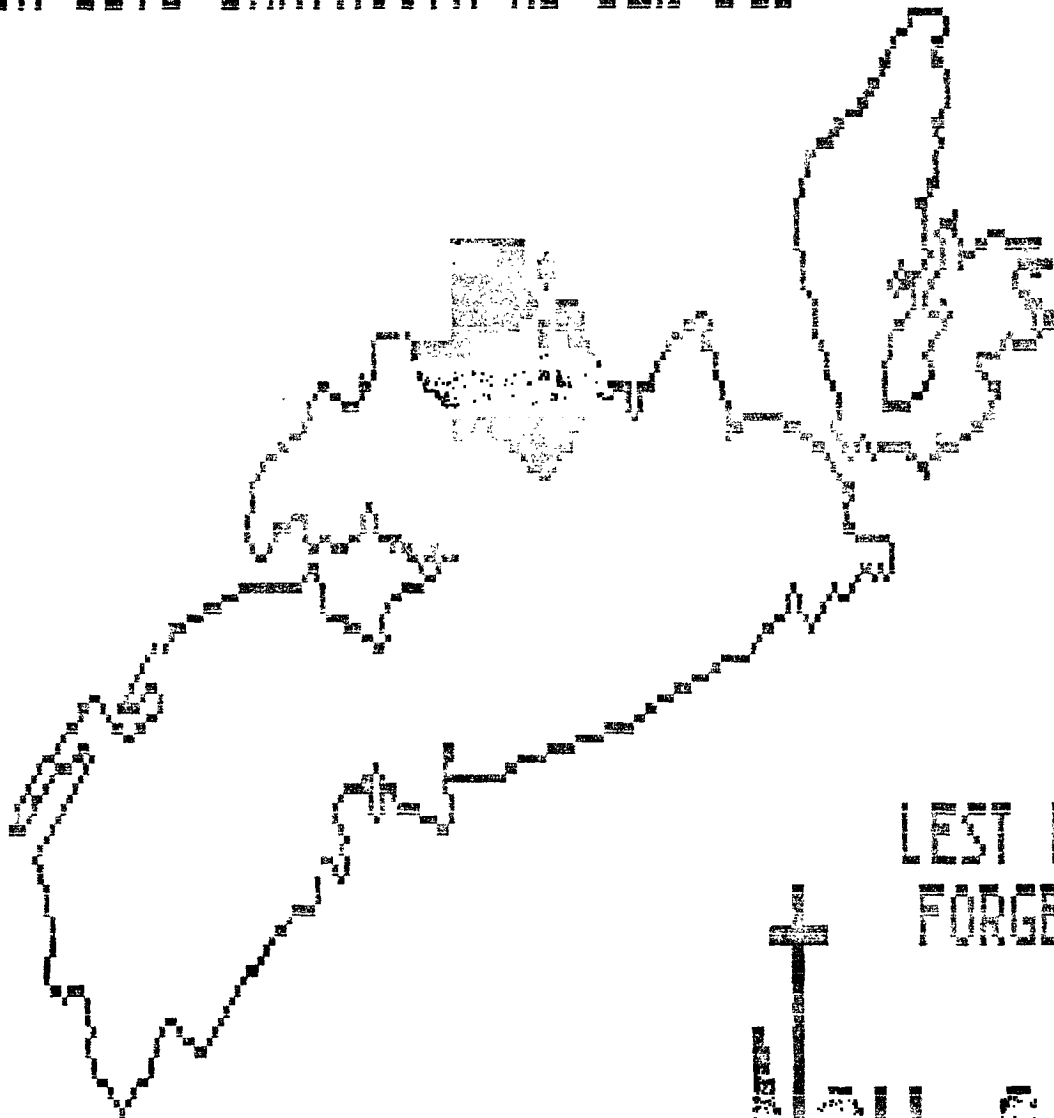


Dartmouth U.G
Nov 85

EXAS INSTRUMENTS

LEADS GROUP

BOX 3391 DARTMOUTH NS B2H 5G3



LEST WE
FORGET

NOV 85

REMEMBRANCE DAY

Club message to the people at the Chicago TI Fair, as it appeared in the Newsletter sampler (100 copies) that we provided and Terry Atkinson gave out in a remarkably short period of time.

Chicago Fair

Greetings to all
From TINS

This newsletter is a special edition put out so as to meet the deadline for the trip to the Chicago TI Computer Fair.

The regular November edition will be forthcoming by the normal channels. This "Fair" edition will be a special supplement to the November TINS Newsletter.

The executive and membership of TINS, TI Nova Scotia Canada, would like to take this opportunity to extend our thanks to all that have remained loyal to the TI system through the lean years.

Without your support and help with the difficult problems, none of this would have remained alive enough for us to make use of. It's the dedication of people of all walks of life, who use the TI computer system, that make us strong enough to encourage the commercial sector to take a second look at the TI market.

We, TINS, have relied heavily upon outside input in order to provide information to our members and keep the interest high within the club. The freedom with which this information has been provided in the past has made things much easier.

Tips, hints, newsletters, programmes, especially some of the excellent FreeWare items that have been circulating have been of great value to us and we sincerely hope that the efforts in these directions will increase in the future.

Like every other club, and individual, we are looking forward to the unveiling of the new computer and are looking forward to a new breed of software that will use the full capabilities of the new equipment. I hope this is addressed at the fair and that we have a chance to get onto the bandwagon in supporting the manufacturers.

TINS would be very happy to carry on an exchange arrangement with any other clubs that support our system. Send us your address, at least, and we will send off a copy of our latest newsletter.

The president, Paul Meadows, is available most time through TECHIE BBS at 902 864 2582. Board is down between 5PM and 7PM (SOMETIMES) so that I can use the system to compose the newsletter!

Regards — Paul

TINS Newsletter

TINS Newsletter is published on a monthly basis as the means of communicating ideas obtained from solicited sources to the general membership. Views expressed in this newsletter are those of the contributors and do not necessarily reflect the views of the membership at large.

Material appearing in this newsletter is copyrighted by compliance with federal regulations for basic copyright protection. The effective date of copyright is the 1st day of the month appearing on the edition.

Articles and programmes appearing in this newsletter are, to the best of our knowledge, original works except where indicated by the inclusion of the source. Arrangements have been made with other newsletter staffs and magazines for permission to reprint certain material. These articles are accepted on trust and the newsletter accepts no responsibility for searching the right-to-print of the originating periodical. Errors or omissions should be communicated to the editor as soon as possible.

Groups wishing to include material from these Newsletters in their club newsletters may do so providing the author and this source are mentioned. Other use of the material is subject to release by the editorial staff.

Space for advertising is available to merchants wishing to display their wares. Full page \$15, lesser sections at appropriately reduced rates (payable to TINS). All commercial ads must reach the editor in pre-prepared, ready to print form, not later than the 1st of the month in which the ad is to appear. Members may place ads in the Newsletter free of charge.

The Newsletter is on sale to members for \$1.00 per copy, non-members \$1.50. The price of each issue is solely to defray publication costs and does not represent profit. Prices for annual subscription are \$18.00.

Back issues of the Newsletter are available on written request from the editor, at \$1 per issue. "The Best of TINS" on disk is available at \$3.00 per disk

Queries, submissions, etc. are to be mailed to:

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	Les Currie	454-4458
Book/Modules	Wayne Joyce	434-9374
Notices	Sylvain Rouillard	

TINS Index

by Rick Cole

As a newcomer to TI-writer and also wanting to write an article for TINS, I put the two together and came up with the following index of all the TINS newsletters. I will endeavor to update it regularly and publish it in TINS as space allows.

article name	description	issue
Tutorials		
How to directly access RS-232 ports	overview of TMS9902 chip in RS-232 card	Oct 84
Programming the TMS9902		Oct 84
Linking to ibm pc	store TI-99 programs on ibm pc's disk drives	Oct 84
"y" cables for RS-232	okidata printer and a signalman modem operate on one RS-232 card	Oct 84
Communicating	use of the TE2 and easier uploading to another system	Oct 84
Protection	3 types of protection for disks using disk manager module	Nov 84
Lets add it all up	ram, rom, and prom available in TI99	Nov 84
New ramdisk for TI CorComp peripherals made easy	cards, systems, exp. systems, availability and comments	Nov 84
Tokenized commands	keys to use for commands	Nov 84
Using colors in the TE2	using basic or TI-writer	Nov 84
Millers graphics	re "the smart programmer" newsletter	Nov 84
Computers don't get mad. they get even	a crash course in computer care	Dec 84
How about that	gain 2k of ram by turning deb on after TI99	Dec 84
Importing computers and hard/software(1)	costs and duty percentages	Dec 84
Importing computers and hard/software(2)	customs, mailing and personal travel buying	Jan 85
Speech using the TE2	show off the TI99	Dec 84
Passing the B3	using the screen as a reservoir	Dec 84
Home-brewed video monitor cable	make your own	Jan 85
Diagram for video monitor cable	pin-out for audio and video	Feb 85
Duelling cassettes	longer cable and 1 save operation makes 2 copies	Jan 85
How things might have been	re TI99/8, TI99/2 and CorComp 99000	Jan 85

Extended basic		
TI disk op. system	d drives and formatting	
Exploring TI-dos		
Changing colors in TI-writer	instructions on how	
Exploring basic pgms	instructions and pgm	
Changing colors in editor assembler	instructions and how	
Changing xbasic edit screen colors	info and program	
Lower case letters	info and program	
Greater forth screen capacity	access additional screen capacity	
Out of memory	org too large to run with d/drives attached	
Flippy floppy	instructions and sketch	
Graphics with TEII	create graphics from the source	
Call loads	loss of characters when asterisk is used	Mar 85
Pestiferous asterisk		
Microsoft multiplan	quoted from m/m manual	Mar 85
Triumph over fcrt quit		
Tech-snoop	wonder switches	
Pre-scanning for comfort	speed up xbasic pgms.	
Disk safety ties	do's and don'ts	
File directory entries	directories on diskette	
Auto answer/dial circuit	parts list and diagram	
Dealing with multiple fractures	further info on TI acc handling fractured files	Mar 85
Basic tip	on call key function	Mar 85
Disk fixer challenges	3 program challenges	May 85
How programs are stored on disk	info and examples to try	May 85
Technique	keyboard schematics	Jun 85
TEII graphics	change characters sent over phone lines	Jul 85
Peek and load	from various sources	Jul 85
Unrunable programmes	using all rem statements	Jul 85
Screen color changes	change colors (xbasic)	Jul 85
Cassette loading tip	info and short pgm.	Aug 85
Expansion box hum	instructions on surgery	Aug 85
More on the DM-1000	undocumenter and little known facts	Aug 85
Changing colors on the DM-1000	applies to version 2 only	Aug 85
99/4A light pen	parts, assembly instr. diagram on page 13	Sep 85
TI-writer-plus	printing over 80 columns	Sep 85
D/s masterdisk file	modifications to hold up to 250 disks & 3000 pgm	Oct 85
Workshop news	joy-alert	Oct 85

Back to basic

File processing	descriptions and instructions	Dec 84	N.S. fall home computer fair	interested in attending	May 85
File processing	storing on disk and back again	Jan 85	Sector software	interview with p. allan	May 85
Basic tutorial	how console stores and reads a basic program	Mar 85	The facts of life	quote from n.y. magazine	Jun 85
Exclusive oring and 2's compliments	comparing 2 words, bit by bit	May 85	News from TIEBS	moes/50 and qs99 pgms.	Jun 85
Xmodem protocols	complete explanation	Jul 85	TINS minutes	May 85 meeting	Jun 85
Xmodem protocols explained	insight as to communications protocol used	Jul 85	TI99/???	the latest rumors	Jun 85
editorials			Word search puzzle		Jun 85
			Updates	update your "solitaire" pgm to randomize	Jun 85
TINS editorial	TI's withdrawal and promotion of t.i.n.s.	Nov 84	Basic computer	ford farewell	Jun 85
Law and software	legal aspects of handling software	Dec 84	Word search puzzle		Jul 85
Law and the computer	police seize bbs system	Dec 84	Errors!!	re executive listing	Jul 85
Last newsletter of 84	where we've been and where we want to get	Dec 84	TINS competitions	for specific occasions	Jul 85
You're getting old when		Dec 84	TC-99/9 etal	new texcomp hardware	Jul 85
Copyright	the bare facts	Jan 85	New computer	grapevine news	Aug 85
Setting standards	software and messages that may be deemed to be unlawful	Jan 85	Crossword search	find secret phrase	Aug 85
Elementary my dear Tips	basic hints	Jan 85	TINS fall contest	user written program	Aug 85
	fcfn 3 and lines on b/w monitor	Jan 85	MICROpendium digest	new xbasic	Aug 85
New products	navarone data base manager	Jan 85	National ASSOC.	TI99/4a users assoc. of canada	Aug 85
New products	sunware xbasic and navarone widgit	Mar 85	Rumors	pilot, TI-pilot, banners and printshop	Aug 85
Costly battle of computer wits	hackers breaking into computer systems	Feb 85	Ramgram-thingy	from Miller graphics	Sep 85
The future of the 99/4a system	past and present	Feb 85	Traveling with TI	taking TI99 on a trip	Sep 85
UCSD a-system peripheral	infor on pascal system	Feb 85	There's truth in them thar words	will TI owners pull their weight	Sep 85
Timbits from the CorComp cursor	hardware from CorComp	Feb 85	How I learned to pgm.	in my 7th Decade	Sep 85
Envoy 100 -- text to voice	explanation, how it works, what it costs	Mar 85	Halifax computer show	overview of show	Sep 85
Warped disk awards	from ottawa u.g.	Mar 85	TINS fall contest	categories available	Sep 85
A Parable	Mar 85 micropendium	Mar 85	How much is enough	getting TI fever	Sep 85
Debug corner		Mar 85	Universal module	powerful static ram module	Oct 85
Important announcement for TI owners	a new computer called the TI99/8	Apr 85	Chicago TI fair	info and history	Oct 85
Tinker bell tips		Apr 85	Ramgram-thingy	update	Oct 85
Passing variables	size command	Apr 85	Winchester repeater	hard disk systems	Oct 85
New magazine out	from s.o.s. publishers	Apr 85	Crossword search	find words in maze	Oct 85
Out and around	interviews with Navarone and Corcomp	Apr 85	User group network	survival of the TI99/4a	Oct 85
TINS newsletter	info on newsletter	May 85	Databiotics	almost free software	Oct 85
Imagine that	16 restores and gosubs on same program line	May 85	Membership	why wait till Jan/86	Oct 85
Word search puzzle		May 85	Documentations		
			S9/4 auto spell check		Oct 84
			Super extended basic		Nov 84
			Forth		
			Breaking forth	diff. between TI forth and wycove forth	Mar 85
			Breaking forth	introduction and getting started	Apr 85
			Forth-write		Apr 85
			Forth info	coordinator for TI forth	Apr 85
			Terminal programs in wycove forth	2 terminal pgms and info written in wycove forth	May 85
			Breaking forth		May 85

Starting forth	getting started	Jul 85
Forth1.doc	disk system and forth	Jul 85
Getting more forth	set up many screens	Oct 85

programmes

Number converter		Oct 84
Binsearch		Oct 84
Alphabetical sort		Oct 84
Numeric sort		Oct 84
Loto 649		Nov 84
Cursor redefinition		Nov 84
TI graphic part 1		Nov 84
Double random numbers		Dec 84
Tigercub tip	view disvar80 files in extended basic	Dec 84
Loto 649(corrected)	error found and noted	Dec 84
Dickie-dump	screen dump routine	Dec 84
Puzzle corner		Dec 84
Flag challenge	graphic demo	Dec 84
Sample text/merge pgm		Jan 85
Victory tune		Feb 85
Organ contest	tigercub version	Mar 85
Tigercub software	tips and programs for sale	Mar 85
Sounds again	interesting sound	Apr 85
Disk manager iii	info and where available	Apr 85
Zounds		Apr 85
TI-around	visual presentation of a TI club meeting	May 85
Uploading via ma cell	upload files easily	May 85
Map of canada	graphics demo	May 85
3D sprites	sprites to create 3d effect	Jun 85
Disk loader	xbasic disk indexer	Jun 85
PRCS halifax	graphic demo	Jun 85
42 column demo	ass. language pgm	Jun 85
Errors	re organ contest	Jun 85
Screen pager utility	ass. language pgm	Jun 85
Screen location table	locate specific screen location	Jun 85
Menu demonstration	selection of sub- sections of a pgm.	Jul 85
Zork color changer	change colors of zork	Jul 85
Menu demo		Aug 85
Text to pgm. converter	create a pgm in dv80	Sep 85
Music synthesizer	musical sounds	Sep 85
Sprite one-liner	frustrate and amaze your "other" computer friends	Oct 85
Little bits	challenge other computers	Oct 85
Insanity	with sprites	Oct 85

Freeware

Super disk duplicator		May 85
TK-writer		May 85
Sprite builder		May 85
Neatlist		May 85

Masscopy		May 85
X DISASS		May 85
Unidump		May 85
DM-1002	disk manager	Aug 85
Tomb of death	with tunnels of doom	Aug 85
Trivia99er	new trivia game	Aug 85
The director	disk cataloguer	Aug 85
TC-mail	forth based mail list	Aug 85
Forth-draw	draw & dump graphics	Aug 85
Fast-term	terminal emulator	Sep 85
Pilot 99	simplest language yet	Sep 85
Master catalog	ass. language disk cat.	Sep 85
Easysprite	create graphic sprites	Sep 85
Disassembler	super fast	Sep 85
Techie	bbs system	Sep 85
Compactor	compress d/f80 al pgm. to about 2/3 disk space	Sep 85
Uncompactor	opposite of compactor	Sep 85
Pro 99er bbs	bbs system	Sep 85
Disk manager	disk manager on disk	Sep 85
Assault the city	adventure??	Sep 85
Fast forth	xbasic loader, fast ed. and locator, 42 column auto-repeat	Sep 85

Reviews

Randy's ravings	99/4 auto spell check, bar fore golf game	Oct 85
CorComp disk	review and quick ref.	
control card	card	Nov 84
Book reviews	ass. lang., multiplan and forth	Feb 85
CorComp 9900 stand- alone	first hand knowledge of this system	Mar 85
Graphix	bring pictures to life	Apr 85
85-converter	convert dv80 text to mergable & runnable code	Jun 85
Advanced diagnostics	3 in 1 program	Jun 85
The DM2-105	tandy printer reviewed	Jun 85
Microstuffer printer	features, cost and suppliers address	Jul 85
TI-artist	performance, use & docs	Aug 85
The explorer program	great utility program	Aug 85
DM-1003	disk manager program	Aug 85
Timeline	on-line service to micro users	Aug 85
Book look	9 books from compute	Oct 85
Pterm 99	disk based emulator	Oct 85
Triple tech review	3 function card from CorComp for deb	Oct 85

Bulletin boards

Bulletin boards of interest	u.s. board phone #'s	Oct 84
Download from TIBBS	ext.basic, cp/m, TI clone, 128k card, and	

Squawking	double density cont. hard and fast rules for using bb systems.	Nov 84 Nov 84
Download	CorComp, myarc, texcomp tenex, new ramdisk	Nov 84
Canadian TIBBS	phone listings	Nov 84
American TIBBS	phone listings	Nov 84
Squawking	disconnecting	Dec 84
Squawking	basic file transfer routines (incl. prog)	Jan 85
Other local bbs	various	Jan 85
Hooking-in databases through datapac	the source, compuserve, djns and umbbs	Jan 85
Future TIBBS	version 4 of TIBBS	Feb 85
Local bulletin BBS.	name, sysop and phone #	Jul 85
Timeline	info and entry card	Aug 85
Teleconferencing is for everyone	through timeline	Oct 85
Local bulletin BBS.	latest list of bbs	Oct 85
Techie bbs and TINS	current system and what is expected in future	Oct 85
Fast-term cue card	on 6"x6" space	Oct 85
Classified ads		
Kangaroo pockette	disk jacket pocket and color code system	Oct 84
General	various hard/software	May 85
For sale	stands for mounting hardware	May 85
Nutriguide	can. agriculture food guide	Jul 85
PE box interconnect	replace pcb cable	Jul 85
Pilot 99	new pilot language	Aug 85
Sector software	everything for the TI-er	Aug 85
TI rs232c o10	entire source code	
Decoded	published	Sep 85
Adventure world software	address and phone #	Sep 85
Window on the world	timeline application form	Sep 85
Best of TINS on disk	3 disks full of info	Oct 85
Adventure world software	bought out entire stock of seaboard computer	Oct 85
Library		
TINS library	star system and advanced library	Oct 84
TINS library files	public domain material as of 20 Oct 84	Nov 84
TINS module library	various modules avail.	Aug 85
TINS library update	new titles	Sep 85
Franc-ly my dear	French pgms in TINS lib.	Sep 85

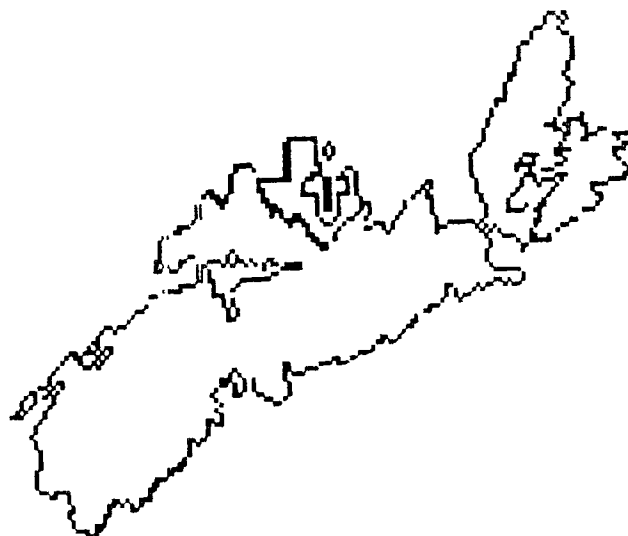
Letters to editor

Household bggt. mgr.	system-lockup	Nov 84
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Personal rec keeping	lock up when using too much space	Dec 84
Keyboard scanning	assembly language	Jan 85
Xbasic token	type more than one token per line	Jan 85
CorComp TI products	9900 and 99000 systems	Jan 85
Micropal ext. basic	ad in hcm magazine	Jan 85
Out of town users	datapac bill too high	Jan 85
Text to mergfile	conversion pgm for TI99	Jan 85
TI help	cannot read certain sectors	Feb 85
Sequelle to TI help	spikes on ac lines	Feb 85
TI stuff	outlet in new york	Feb 85
TI itself	hardly dead	Feb 85
RTC for TI deb	real time clock	Feb 85
TI-99	good deal on hard/soft- ware	Feb 85
S/S to floppies		Feb 85
Pterm-99	how to get it	Feb 85
Umbbs clone	mtel plans on a bbs through datapac	May 85
Crunching constants	crunch pgm to save room	May 85
Crunching	excellent program	May 85
Files on TIBBS		Jun 85
National TI assoc.	received TINS cheque	Jun 85

Logo

Logo programs	sample programs found in "TI logo" book	Dec 84
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PROGRAM LISTINGS
1985 10 04

PAGE 1

FILENAME	SIZE	TYPE	P	DISKNAME	FILENAME	SIZE	TYPE	P	DISKNAME
-CATALOG	33	PROGRAM		R	6-6	31	PROGRAM		GUIDE99
-DOCUMENT	8	DIS/VAR	80	R	6-7	3	PROGRAM		GUIDE99
-LOADER	10	DIS/FIX	80	R	6-8	3	PROGRAM		GUIDE99
/COLOMBO	43	PROGRAM		R	7-1	4	PROGRAM		DISK
/LOAD	3	PROGRAM		R	7-10	10	PROGRAM		DISK
/NAVIRE	46	PROGRAM		R	7-11	15	PROGRAM		DISK
/PENDU	24	PROGRAM		R	7-12	7	PROGRAM		DISK
/SM-MIND	26	PROGRAM		R	7-2	5	PROGRAM		DISK
0	2	INT/FIX	65	SPR-BILDAT	7-3	4	PROGRAM		DISK
1	2	INT/FIX	65	SPR-BILDAT	7-4	6	PROGRAM		DISK
2	2	INT/FIX	65	SPR-BILDAT	7-5	5	PROGRAM		DISK
2-1	10	PROGRAM		GUIDE-99/4	7-6	9	PROGRAM		DISK
2D-DOCS	49	DIS/VAR	80	DM1000-V2	7-7	8	PROGRAM		DISK
3	2	INT/FIX	65	SPR-BILDAT	7-8	12	PROGRAM		DISK
3-1	8	PROGRAM		GUIDE-99/4	7-9	14	PROGRAM		DISK
3-10	10	PROGRAM		GUIDE-99/4	8	2	INT/FIX	65	SPR-BIL
3-11	6	PROGRAM		GUIDE-99/4	9	2	INT/FIX	65	SPR-BIL
3-12	10	PROGRAM		GUIDE-99/4	A	2	INT/FIX	65	SPR-BIL
3-13	10	PROGRAM		GUIDE-99/4	APPLE	2	INT/FIX	65	SPR-BIL
3-14	19	PROGRAM		GUIDE-99/4	ASTRONT	2	INT/FIX	65	SPR-BIL
3-2	8	PROGRAM		GUIDE-99/4	B	2	INT/FIX	65	SPR-BIL
3-3	13	PROGRAM		GUIDE-99/4	BALL	2	INT/FIX	65	SPR-BIL
3-4	9	PROGRAM		GUIDE-99/4	BARN	2	INT/FIX	65	SPR-BIL
3-5	27	PROGRAM		GUIDE-99/4	BFLY	2	INT/FIX	65	SPR-BIL
3-6	49	PROGRAM		GUIDE-99/4	BIRD	2	INT/FIX	65	SPR-BIL
3-7	27	PROGRAM		GUIDE-99/4	BIRD RUN	2	INT/FIX	65	SPR-BIL
3-8	18	PROGRAM		GUIDE-99/4	BLOB	2	INT/FIX	65	SPR-BIL
3-9	31	PROGRAM		GUIDE-99/4	C	2	INT/FIX	65	SPR-BIL
4	2	INT/FIX	65	SPR-BILDAT	CAR	2	DIS/VAR	163	R
4-1	23	PROGRAM		GUIDE-99/4	CAR/1	2	INT/FIX	65	SPR-BIL
4-2	5	PROGRAM		GUIDE-99/4	CAR/2	2	INT/FIX	65	SPR-BIL
4-3	8	PROGRAM		GUIDE-99/4	CAR/VW	2	INT/FIX	65	SPR-BIL
4-4	48	PROGRAM		GUIDE-99/4	CART	2	INT/FIX	65	SPR-BIL
5	2	INT/FIX	65	SPR-BILDAT	CAT	2	INT/FIX	65	SPR-BIL
5-1	50	PROGRAM		GUIDE99/4A	CATLIB/CAT	4	DIS/VAR	80	CATLIB
5-2	40	PROGRAM		GUIDE99/4A	CATLIB/DOC	28	DIS/VAR	80	CATLIB
5-3	3	PROGRAM		GUIDE99/4A	CATLIB/EPS	93	DIS/FIX	80	CATLIB
5-4	32	PROGRAM		GUIDE99/4A	CATLIB/OKI	93	DIS/FIX	80	CATLIB
5-5	7	PROGRAM		GUIDE99/4A	CATLIB/RVU	9	DIS/VAR	80	CATLIB
6	2	INT/FIX	65	SPR-BILDAT	CHAPTER1	44	PROGRAM		TUTOR-X
6-1	28	PROGRAM		GUIDE99/4A	CHAPTER2	43	PROGRAM		TUTOR-X
6-10	4	PROGRAM		GUIDE99/4A	CHAPTER3	42	PROGRAM		TUTOR-X
6-11	24	PROGRAM		GUIDE99/4A	CHAPTER4	40	PROGRAM		TUTOR-X
6-12	5	PROGRAM		GUIDE99/4A	CHAPTER5	29	PROGRAM		TUTOR-X
6-2	13	PROGRAM		GUIDE99/4A	CHAPTER6	41	PROGRAM		TUTOR-X
6-3	35	PROGRAM		GUIDE99/4A	CHAPTER7	43	PROGRAM		TUTOR-X
6-4	22	PROGRAM		GUIDE99/4A	CHARDF	16	DIS/FIX	80	TI-FILE
6-5	50	PROGRAM		GUIDE99/4A	CHICKEN	2	INT/FIX	65	SPR-BIL

PAGE 2

PROGRAM LISTINGS
1985 10 04

FILENAME	SIZE	TYPE	P	DISKNAME	FILENAME	SIZE	TYPE	P	DISKNAME
FILEMAKER	16	PROGRAM		BLANK	MGRPART30	40	DIS/VAR	80	DM1000S
FISH	2	INT/FIX	65	SPR-BILDAT	MGRPART3A	28	DIS/VAR	80	DM1000S
FORMAT	27	PROGRAM		TI-FILER	MGRPART4	58	DIS/VAR	80	DM1000S
FORTH	6	DIS/FIX	80	4TH-2D/3D	MGRPART40	29	DIS/VAR	80	DM1000S
FORTHCHAR	5	PROGRAM		FORTH	MGRPART4A	31	DIS/VAR	80	DM1000S
FORTHSAVE	39	PROGRAM		4TH-2D/3D	MGRPART4B	31	DIS/VAR	80	DM1000S
FROG	2	INT/FIX	65	SPR-BILDAT	MGRPART5	42	DIS/VAR	80	DM1000S
G	2	INT/FIX	65	SPR-BILDAT	MGRPART50	39	DIS/VAR	80	DM1000S
GIRL	2	INT/FIX	65	SPR-BILDAT	MGRPART6	40	DIS/VAR	80	DM1000S
GOLFGAM	49	INT/VAR	254	NEWTUNNELS	MGRPART7A	61	DIS/VAR	80	DM1000S
GRIFFEN	2	INT/FIX	65	SPR-BILDAT	MGRPART8	13	DIS/VAR	80	DM1000S
H	2	INT/FIX	65	SPR-BILDAT	MGRPART5	16	DIS/VAR	80	DM1000S
HEART	2	INT/FIX	65	SPR-BILDAT	MGRSRC	3	DIS/VAR	80	DM1000S
HELICOP	2	INT/FIX	65	SPR-BILDAT	MINI99	30	DIS/FIX	80	MINIBAS
HELP	30	DIS/FIX	80	R	MINI99DOC	31	DIS/VAR	80	MINIBAS
HORSE/1	2	INT/FIX	65	SPR-BILDAT	MINI99SAM	33	DIS/VAR	80	MINIBAS
HORSE/2	2	INT/FIX	65	SPR-BILDAT	MINI99SR1	56	DIS/VAR	80	MINIBAS
HOUSE/1	2	INT/FIX	65	SPR-BILDAT	MINI99SR2	37	DIS/VAR	80	MINIBAS
HOUSE/2	2	INT/FIX	65	SPR-BILDAT	MINI99SRC	2	DIS/VAR	80	MINIBAS
I	2	INT/FIX	65	SPR-BILDAT	MONKEY	2	INT/FIX	65	SPR-BIL
INSTRUCT	65	DIS/VAR	80	A2	MONKEY2	2	INT/FIX	65	SPR-BIL
INVADER	2	INT/FIX	65	SPR-BILDAT	MONSTER	2	INT/FIX	65	SPR-BIL
J	2	INT/FIX	65	SPR-BILDAT	MOON	2	INT/FIX	65	SPR-BIL
JET	2	INT/FIX	65	SPR-BILDAT	MOTORCY	2	INT/FIX	65	SPR-BIL
K	2	INT/FIX	65	SPR-BILDAT	MOUSE	2	INT/FIX	65	SPR-BIL
KANGARO	2	INT/FIX	65	SPR-BILDAT	N	2	INT/FIX	65	SPR-BIL
L	2	INT/FIX	65	SPR-BILDAT	NEWTUN/DOC	6	DIS/VAR	80	NEWTUNN
LCASE-0	6	DIS/FIX	80	DATASAVR	NEWTUNNELS	52	PROGRAM		NEWTUNN
LION	2	INT/FIX	65	SPR-BILDAT	O	2	INT/FIX	65	SPR-BIL
LOAD	6	PROGRAM		BLANK	OCTAPUS	2	INT/FIX	65	SPR-BIL
LOAD	5	PROGRAM		DM1000-V2	P	2	INT/FIX	65	SPR-BIL
LOAD	8	PROGRAM		FORTH	PHONIX	2	INT/FIX	65	SPR-BIL
LOAD	7	PROGRAM		MINIBASE99	PINE	2	INT/FIX	65	SPR-BIL
LOAD	11	PROGRAM		SPRITEBILD	PLANE	2	INT/FIX	65	SPR-BIL
LOAD	13	PROGRAM		TI-FILER	PLANET	2	INT/FIX	65	SPR-BIL
LOAD	10	PROGRAM		TUTOR-XB	PRINTFILE	16	PROGRAM		BLANK
LOADER	5	DIS/FIX	80	DM1000-V2	PYRAMID	2	INT/FIX	65	SPR-BIL
M	2	INT/FIX	65	SPR-BILDAT	Q	2	INT/FIX	65	SPR-BIL
MAN/GUN	2	INT/FIX	65	SPR-BILDAT	R	2	INT/FIX	65	SPR-BIL
MAN/RUN	2	INT/FIX	65	SPR-BILDAT	RABBIT	2	INT/FIX	65	SPR-BIL
MENUBBJ	10	DIS/FIX	80	TI-FILER	RELD8	75	INT/VAR	254	TI-FILE
METEOR	2	INT/FIX	65	SPR-BILDAT	RETURN	1	INT/FIX	10	TI-FILE
MGR1	33	PROGRAM		DM1000-V2	REVISEFILE	20	PROGRAM		BLANK
MGR2	20	PROGRAM		DM1000-V2	ROBOT	2	INT/FIX	65	SPR-BIL
MGRPART1	46	DIS/VAR	80	DM1000SRC1	ROCKET	2	INT/FIX	65	SPR-BIL
MGRPART10	21	DIS/VAR	80	DM1000SRC1	ROCKET2	2	INT/FIX	65	SPR-BIL
MGRPART2	38	DIS/VAR	80	DM1000SRC1	S	2	INT/FIX	65	SPR-BIL
MGRPART20	19	DIS/VAR	80	DM1000SRC1	SAILBOT	2	INT/FIX	65	SPR-BIL

TOTAL DISKS = 19

TOTAL FILES = 293

! STOP the Press !

Chicago TI-FAIRE 1985

by Terry Atkinson

I was going to go into a lot of preamble, leading up to the Faire, but time is short, so I will bypass that, and get to the meat of the matter.

The 3rd annual TI-FAIRE was held in Chicago's Triton College on 2 Nov. Approx 27 Vendors were in attendance, and some exciting new products were unveiled or exhibited. Notwithstanding the above, however, the most exciting thing to me was FINALLY meeting the notorious Bob Boone, the charming Jane LaFlamme, the knowledgeable Denis Dennis and Berry Minuk of the Ottawa TI99/4 Users Group, and Jacques Corbeil of the Sher-TI group. Everything else seemed a semi-climax.

Mack MacCormick was there and was supposed to demonstrate the new Myarc Xbasic Level IV, but somehow misplaced a disk and was, unfortunately, unable to give that demo. John Clulow, Ron Gries and David Romer of the New Horizons users group were there, and gave an interesting account of a RAM disk which will emulate a SSD or DSSD floppy disk (at RAM speed, of course). It will be compatible with everything except P-CODE. It has a battery back-up as well. Some neat features of this RAM is it's ability to CALL the number of sectors, set write-protect notch as being covered or uncovered, and execute machine code from basic. It has a dip-switch to allow CRU addressing anywhere from >1000 to >1700. Full documentation will be included as well as a few assembly routines ready-to-go. You can get further information on this from David Romer, PO Box 554, Walbridge, OH 43465.

One item which seemed to escape the majority (that I talked with) is a portable style TI99/4A developed by MicroStuph of Columbus OH. It appeared to be a full-blown TI99/4A encased in an Osbourne-style cabinet, complete with a 4A keyboard and numeric keypad, 4 inch color monitor and dual 1/2 height disk drives. I didn't get a chance to enquire as to the cost of this unit, but it would sure be handy for those who like to travel with their computers.

Although I missed Craig Millers presentation on the Gram Kracker, by all accounts, it was interesting to say the least. This amazing peripheral will open-up the TI99/4A so that everyone will be able to utilize it's full power and speed. Intentions of the Miller group is to eventually (1986) produce a full GPL assembler/disassembler and many other exciting projects are in store for 1986.

One of the biggest disappointments of the show as the

"unveiling" of the new computer. Yes, it was indeed there...at least an empty shell and a very large mother board. Lou Phillips of Myarc, after a lengthy presentation on Myarc's other products such as the 128K card, Level IV Xbasic, disk controller et al, got around to confirming the existence of the as yet unnamed computer.

As he held the beast up, a flurry of flashbulbs went off (including mine) and this continued for a few minutes. He then went on to describe the attributes of the beast some of which follow. It will have 256K CPU and 64K VDP ram, a TMS9995 processor which will equal the speed of the 68000 CPU. A 68(?) key keyboard and a numeric keypad with a mouse capability, a 9938 video chip and the same communications chip as our beloved 4A. An IBM compatibility is in the offing, but is (apparently) yet to be incorporated. As for compatibility between existing TI peripherals and software, the figure quoted is 90% compatible. I tend to worry about the other 10%!! Some reference was given to the "other" companies products (CorComp). Lou, tongue-in-cheek, merely reiterated what he has said before...90% compatibility. If this is indeed the case, it should not be compatible with Myarc's MPES/50, as that unit is not compatible with some of the existing software available NOW!. Almost in the same breath, Lou states that a new cable (computer to PEB) has been designed, and hinted that Myarc peripherals should be purchased. This most certainly (to me) says that Myarc will design their machine such that "other" companies peripherals will not work with the machine in all functions.

Some other enhancements over the old TI will be an RGB or composite output, module slot on top of the machine, plug-in disk controller card, and Xbasic level IV incorporated. By the time it gets released? the above could change drastically. We will just have to wait and see.

At any rate, the projected cost of the beast is about \$500 U.S. If it meets all the specs detailed at the show, it will be worth every penny, but it's rather obvious that I have grown skeptical. Release date is scheduled for 1st quarter 1986, but I have heard this time before. Some people have continually said that this is a PLOY by Myarc to get people to buy THEIR peripherals. For Myarc's sake, and the sake of many of the TI'ers who have put great faith in Myarc, I hope this is not the case. But one has to ask: "How long can we go on waiting?". Incidentally, when/if it is released, COMPLETE documentation will be released along with it. Unlike TI who tried to keep the inner-workings top-secret, this new machine will come complete with full schematics and memory maps et al.

Micropendium gave a good account of the phantom

machine in their latest magazine, and I would imagine that the next issue will give a full account of the ChiTI Faire. To subscribe to MicroPendium, write: PO Box 1343, Round Rock TX 78680. Canadian cost is \$18.50 in U.S. funds for 12 issues, and it's worth every penny.

Some talk was generated about a program called SORGAS. I did not get the chance to see the program in operation, but it is apparently a synthesizer type program with extremely good coding. The author is unknown and it is not known whether this program is Fairware or Public Domain, but it was shown by DataBiotics at the Faire. Just one of the many good programs to keep your eyes open for. Chris Faherty, author of TI-ARTIST, has produced TI-ARTIST II and will be selling it soon. Just how this program was enhanced is not known, but I fail to see just HOW it CAN be improved upon! Millers Graphics will soon be selling a book written by Ron Albright, entitled "The Orphan Chronicles". Ron is a co-sysop of the TI-FORUM on CIS. Rumor has it he has "burned some fingers" with this book, so when it is released, get a copy as soon as possible. Chances are, it may be withdrawn from the marketplace due to some controversial "finger-pointing". Many other items were shown/announced at the show, but my memory is somehow fogged up (I can't understand now!). Again, MicroPendium should be giving a full account.

About 18 users groups from around the country registered at the faire. Approximately 2000 people attended. At this time, I wish to extend personal congratulations to the Chicago TI99/4a Users Group for all the hard work that they put into this most successful show, and especially to Dave Wakely and John Bennke for all their hard work in keeping the show moving. Finally, many thanks go out to Hank Ellerman, Barry C. Ward son, Frank Gronowski son and others for their post-show hospitality. . For users groups around the continent (and indeed the world), there is one piece of good news. The Chicago group produced videos of the presentations at the show, including Lou Philips. They have offered a video tape at a cost of \$25 (U.S) in either Beta or VHS format to users groups or other interested souls. To get your copy, send a cheque for \$25 to: Chicago TI Users Group, PO Box 578341, Chicago, IL 60657. The tape is 3 hours long. Don't forget to specify VHS or Beta format. Postage is included.

For those planning to attend next year's show, it will be held on the first Saturday of November 1986. The cost (in 1985) was \$220 return, and the motel (LP Motel) cost \$70 for two nights. Food was rather cheap as a Denny's was located right next door to the motel, and is open 24 hours. I plan on attending next year, ship's schedule permitting. For further details, you can contact me anytime.

The following was gleaned from the SOURCE. It is apparently a letter given to TI's shareholders, and although few of us are interested in a company which has almost totally abandoned us, I found the article very informative and gives an overview of not only TI, but the whole semi-conductor game in general.

TO STOCKHOLDERS OF TEXAS INSTRUMENTS

For more than a year, new orders have been below shipments in the U.S. semiconductor industry. Demand also has slowed in Europe and Japan.

Industry overcapacity, excess inventories, slack demand, and sharp price declines have had a severe impact on the semiconductor industry this year. The weakness of the world computer market has been a major factor in creating these conditions, adversely affecting the financial performance of TI's semi conductor and data systems businesses and resulting in a third quarter operating loss for the company.

Against this background, and in connection with management's strategic review of TI, a series of major actions is being initiated. These include write-down of manufacturing capacity, consolidation of operations resulting in some plant closures, and a further reduction in force of approximately 2200 jobs worldwide, bringing the total announced for the year to 7000.

Charges taken for these actions added significantly to TI's loss in the third quarter. TI will benefit in 1985 and beyond from the cost savings resulting from these measures; however, current market conditions indicate that these actions will not return the company to profitability in the short term.

It is also planned that the wage and salary increases that would have taken effect in the first half of 1986 for TI employees will be deferred. We understand the personal impact of this decision on TIers throughout the world, but we believe this is a necessary step to keep operating costs under tight control during this difficult period.

THIRD QUARTER RESULTS DOWN

Net sales billed for the three months ended September 30, 1985, were \$1191 million, down 16 last year's third quarter, primarily because of reduced volume and lower prices for semiconductors. The company incurred a pretax loss in the quarter of \$113.7 million, including a \$63.8 million charge taken to reflect the plant-closing and employment-reduction costs. Net loss for the quarter was \$82.8 million, or \$3.30 per share, compared with net income of \$85.8 million, or \$3.54 per share, in the third quarter of 1984. Excluding charges

for plant closings and employment reductions, the loss in the quarter would have been \$0.76 per share.

For the first nine months of 1985, net sales billed were \$3716 million, down 12 percent of 1984. Year-to-date net loss was \$77.6 million, or \$3.12 per share, compared with net income of \$251.5 million, or \$10.43 per share, in the first three quarters of 1984. Losses in semiconductor operations caused by reduced volume and lower prices, plus the impact of the third quarter actions, were primarily responsible for the adverse results thus far in 1985.

TI's backlog of unfilled orders as of September 30, 1985, was \$3347 million, up \$131 million from last year's third quarter, but down \$190 million from the second quarter of 1985, with the largest decline in semiconductors.

Balance Sheet Remains Strong

TI's balance sheet remains strong, and financial resources are adequate to support our needs. During the first nine months of 1985, cash balances were drawn down to finance capital expenditures and to supplement reduced funds from operations. TI's cash balance at the end of the third quarter was \$187 million, compared with \$207 million at the end of this year's second quarter and \$274 million at the end of 1984.

Semiconductor Market Slump Continues

The extended period of market weakness has resulted in the steady decline of TI's net sales billed for semiconductors through the first three quarters of 1985, at a rate higher than the decline in the total market because of product and geographic mix. Although we have seen some signs that inventory correction by our customers may be nearing an end, demand for electronic end equipment is such that they have not yet resumed large-scale semiconductor purchases. The operating loss in TI's semiconductor business increased in the third quarter. We expect the level of shipments to remain depressed in the fourth quarter, with continued adverse effect on operating results.

In order to align TI's semiconductor capacity more closely with market demand, the assembly-and-test site in El Salvador and a wafer-processing facility in Houston are being closed. As the market recovers, increased wafer-processing demand will be handled by our more advanced facilities.

New VLSI Products Announced

Throughout this semiconductor market recession, we have continued a high level of investment in

semiconductor R&D. A substantial portion of these investments supports our strategic program to strengthen TI's position in proprietary products. In October, TI announced availability of the TMS380, a five-chip set of integrated circuits that allows equipment builders to make adapters that can tie virtually any kind of data processing equipment into IBM's token-ring local area network (LAN). TI is currently the only commercial supplier of these chips, which were developed in a joint program with IBM.

These sophisticated VLSI chips are the most recent additions to TI's growing family of applicationspecific processors, which represent a major thrust into highgrowth, high-complexity segments of the microprocessor market. TI's TMS320 signal processors are proven leaders in their market, and TI recently introduced a new member of the TMS340 graphics processor family. In addition, we have developed a flexible VLSI microcomputer chip, which can be configured for a variety of control applications, including automotive instrumentation. All of these devices are based on TI's leadingedge technology processes developed for the manufacture of dynamic random access memories (DRAMs).

TI has begun sampling of its fully functional 1.0 micron, one-megabit CMOS DRAM, and customer response has been positive. In what we believe to be an industry first, TI has fabricated a four-megabit CMOS DRAM in our laboratories, using a proprietary cell structure that achieves higher bit density than our one-megabit device.

Data Systems Consolidates Operations

In data systems, shipment of new products, particularly the BusinessPro (Trademark of Texas Instruments) advanced professional computer and the Explorer (Trademark of Texas Instruments) computer for artificial intelligence applications, resulted in a slight increase in net sales billed relative to this year's second quarter. However, in the face of continued weak market demand, shipments remain below year-ago levels, and this business operated at a loss in the third quarter.

To achieve profitable performance in the data systems business, we are taking actions to reduce costs by about \$70 million on an annualized basis. The engineering, manufacturing and marketing operations of this business will be consolidated from four Texas plants to two. Assembly of professional computers will be moved from College Station to Austin, and the assembly plant in College Station will be closed. The terminals and peripherals operations will be consolidated in Temple, and TI's Northwest Houston site will be offered for sale.

We will continue to strategically position this business to provide system solutions based on integrating TI's capabilities in networking, artificial intelligence, and manufacturing automation in conjunction with our industrial systems business.

GSI Results Improve

Cost-reduction programs have permitted TI's geophysical exploration business to operate at breakeven in the third quarter. However, the market remains weak and cost reductions are continuing.

Defense Electronics Outlook Positive

TI's defense electronics business is running well. While 1985 will be a flat year in net sales billed, backlog is substantially higher than in 1984. The progress being made in building up production capacity on programs such as HARM, and in winning new programs, provides a solid base for future growth. TI has received an important new contract to develop a monolithic gallium arsenide phased-array jammer, part of an advanced electronic warfare system.

Materials and Controls Market Sluggish

TI's metallurgical materials and electrical controls businesses continue to operate at satisfactory profitability, although margins are lower than in 1984. Shipments are running below last year's levels, primarily because of reduced demand for products serving the appliance, air conditioning and electronics markets.

RD and Capital Investments Strong

TI-funded RD expenditures for 1985 are expected to be about \$395 million. Capital expenditures are now projected at approximately \$500 million for the year, down from the \$535 million stated in the second quarter report.

Strategic Review Continues

Despite the current market environment, intense worldwide competition has accelerated the pace of technical progress in the semiconductor industry. Integrated circuits of increasing complexity remain the fundamental driving force behind the information era, and TI's new product development is more vigorous than ever.

TI's management team will continue its strategic review of all operations to assure that the company is properly positioned to take full advantage of profitable

growth opportunities in world electronics markets.
(compliments of TIBBS)

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Fair Complexion

The following pieces are compiled from various sources and BBSs. The authors have been indicated in each report.

All in all, it looks as though the Chicago TI Fair was a great success and most of us missed out on the opportunity of the decade. Perhaps next year....

The first report comes from LUIGI.A14FD of Ste. Julie, Quebec. This is a direct quote... from Jim McCulloch, who provided the info via CompuServe.

Since the "out of towners" Wizops and noteables probably didn't bring their systems along, I presume they've been partying like mad at their hotels to overcome their CIS withdrawal reactions. As a "local" I guess I'm free to put my initial reactions up before they have a chance to do so.

I agree with Ron Albright's thoughts that the importance of the Faire lies not solely in the machine, but rather in the educated, committed and downright reknown people from both coasts as well as Canada and, to me, this "process" was more enjoyable than its "content", even though there was a sizeable content to contend with.

Mack was there but was unable to demonstrate the Myarc Extended Basic IV due to a misplaced disk. The new Myarc computer was unveiled but was shown only as a prototype motherboard and keyboard (IBM) enclosure (

there was nothing inside it). It sounds promising in terms of speed and variety of options but has yet to be demonstrated. Potential availability (at \$499) is slated for the "first quarter of 1986".

Seemingly under-recognized was the presentation (after a marathon 1 1/2 hour Myarc presentation) of the New Horizons RAM disk project development team (including John Clulow, Ron Gries, and David Romer) of their working RAM disk hardware which will be available as a kit or finished product for \$115 or \$155, respectively. This uses the HM6264LP-15 memory chips to emulate a SSSD or DSSD floppy disk only at RAM speed. It will be compatible with just about everything except P-Code and is Ni-Cad battery backed for longevity and portability. It features the standard TI-Basic CALL statement to name the RAM-disk as DSK1 (or whatever) as well as (2) to set the maximum number of sectors, (3) set the write protection "notch" as being covered or uncovered, (4) turn on CRU for direct DSR access, and (5) execute machine code from BASIC. It also features a DIP switch to allow the CRU to address it as anywhere from \$1000 to \$1700.

It will come with complete DSR source code and include a manual detailing all DSR routines. This may be its main advantage since any changes in the DSR can be loaded with the included (E/A option 3) loader as opposed to changing an EPROM chip.

Documentation will explain how to add your own A/L CALL routines to enhance BASIC.

For more information write David R. Romer at Box 554, Walbridge, OH 43465.

For those unwilling to travel far without their trusty TI-99/4A, I saw a working model of a "compact-style" portable lap-top 99/4A made by MicroStash of Columbus, OH which included at least a TI keyboard, 4" monitor screen, and 2 onboard disk drives. Truly amazing! Also by the same company was a "Master-Cart"-ridge which had 6(!) different GROMs onboard selectable by DIP switches for as many cartridge programmes.

Craig Miller was there with a WORKING(!) example of GRAM-Kracker.

A more complete coverage will probably be found in MICROpendium but, in general, it was a very rewarding TI-Faire.

Of course, our own Terry Atkinson was at the fair and provided this observation on the above report.

I think Luigi covered it quite well. It was an all-round education to be at the faire and meet all the people whom one knew only as a name.

But no, it wasn't all partying! And yes.. A great time was had by all.

I would certainly expect MICROpendium to have a complete blow-by-blow as John Koloen was in attendance.

The portable that Luigi was talking about was pretty neat. It was a complete TI system in an Osborne case. Now that's portability! However, I noted them swapping circuit boards on two occasions.

I would whole-heartedly suggest that everyone start making their plans to attend next year's fair. The cost is minimal and well worth the expense.

Incidentally, the new computer is SLATED for release in Jan of 1986. Probably at the CES. It looks and sounds good, but we are all very disappointed that there was not a working prototype at the Fair, and the possibility of having to switch over to Myarc peripherals is not very appealing.

Notes on the new XBASIC II

from the Chicago Fair

by J. Peter Hoddie

Boston Computer Society TI User Group

Myarc has recently released a new version of Extended BASIC which they call Extended Basic II (XB II). Lou Phillips, President of Myarc, describes this product as a stop gap programme until they can get their new computer to market. Which is to say, XB II is essentially the version of BASIC that will be in the new machine with the exception of a few commands (such as mouse support) which are not included in the 99/4A hardware.

The biggest advantages of XB II over TIs XB is that it runs between two and four times faster and it can use

up to 512K for programme storage. XB II will only work with a memory expansion/print spooler/ram disk card from Myarc with at least 128K of memory. The reason XB II is faster is that the entire interpreter is written in assembly language instead of assembly and CPL (TIs slow, interersted proprietary language). furthermore XB II uses CPU memory instead of VDP memory to store strings so that access time to string variables is drastically reduced. XB II is 100% compatable with TIs XB. Myarc uses the assembly loader from the Editor/Assembler cartridge instead of the TIs XB loader so that not only is load time cut way down but assembly programmes can be linked which simplifies writing assembly code for XB significantly.

The XB cartridge also includes an empty GROM socket. Phillips said that this socket will allow you to put the GROM from your TI-Writer, Editor/Assembler, or other one GROM cartridge into the socket, thus creating, in effect a dual purpose cartridge.

Now to describe some of the new commands in XB II that really make it shine.

First off, in XB II you can use 40 column text mode and bit map graphics. Myarc made this possible by moving nearly all the data and tables that TI placed in VDP memory into CPU memory. Thus nearly all of VDP memory is free and can be used for graphics.

To support the new graphics modes, Myarc has added a CALL GRAPHS command to set graphics mode, CALL DRAW, CIRCLE, RECT(angle), and FILL commands which Phillips says are similar to GW BASIC from MicroSoft.

The DCOLOR command will allow you to set the foreground and background colors of the dots being drawn in bit map mode.

The graphics routines were written by Mack McDormack who said they were the most difficult routines he ever had to write but he now says they work flawlessly. And Mack is one of the few people who could write these routines for the TI, so if he says they work, they work!

There is a CALL MARGIN command which allows you to scroll one part of the screen while leaving the rest of the screen intact which will allow the creation of some pretty fancy windowing techniques.

To speed things up more there is a DEFINT command which lets you create integer variables which run faster and take up less memory. Integers will take up one full word of memory (2 bytes). Myarc has been around for a long time and worked closely with TI when TI was developing their XB. When TI asked Phillips what he thought of XB he told them (among other things) that he thought it could use a function he called TERMCHAR. This would allow you to know what key was used to terminate a line of input (i.e. ENTER, down arrow, up arrow, etc.). This would allow a programmer to make the programme do different things (such as allow editing of the input field above if input was terminated with an up arrow) depending on how input was terminated. Thus XB II has this function and allows for eight different keys to terminate input.

The line editor has also been changed somewhat. Instead of having to hold down the right arrow key to get to the fifth line of a programme line to make a change, you can now use the down arrow key which will now just go down one screen line and only go to the next programme line after it passes the bottom of the current programme line. The same idea applies to the up arrow key.

XB II uses the same tokens as XB so that they are fully compatable. The only difference is that XB II must obviously use some of the tokens that were left unused so that it could incorporate the new functions.

XB II will also let you run TI BASIC programmes as character sets 15 and 16 are available for use due to some moving around of things in VDP memory. This may mess up some programmes that directly POKE or PEEK to VDP memory to control sprites but otherwise should cause no problem.

Phillips said that there will probably not be a compiler for XB II for the 99/4A but that there probably will be one for the new computer which will use an extension of XB II.

XB II is now available along with a 128K expansion card from Myarc for around \$250

For over ten pages of information and comments on the show, send \$1(US) to:

Boston Computer Society
TI User Group
One Center Plaza
Boston, MA 02108
617-353-7369



Cataloging Library

A Review

by Frank Geitzler

Those who attended the October '85 TINS meeting saw a demonstration of an excellent disk library cataloger, written by Marty Kroll Jr., of Pittsburgh, Pa. This program is another of the many useful programs which have recently become available under the "freeware" concept -if you use it, you are requested to send the author a nominal sum -in this case, \$10. In my opinion, the program is well worth it, and my cheque is in the mail.

Why do you need a disk cataloger? If you have only one box of diskettes, don't write your own programs, don't keep more than one copy of any program, and can always find the disk which contains the program you want in less than 60 seconds, you probably don't. If you have several boxes (or more), hundreds of programs (and several versions of many of them), and do a lot of word processing, program writing, or whatever, then how have you survived so long without one? I spent last weekend going through my diskette library (60+ diskettes, with a number of them "flippies") and freed up 5 by consolidating, deleting files which I no longer required, and eliminating obsolete versions of some programs. That saving has already paid for this program.

What are some other uses? you can keep a list of all your programs for insurance purposes (theft or fire); the list can be checked against the club library to see what you have (but forgot) before you borrow a club diskette to make an unnecessary copy; and I am sure you can think of other uses yourself.

What can this cataloger do? It can catalog up to 123 disks, containing up to 900 files. It reads the directory from each disk, checks to see if the name of the disk is already on file (if it is, it asks if you want to replace the contents shown on the library, or ignore the current disk), and builds a file which says what file, file type, and file size are on each diskette, and how much free space remains. After each diskette is added to the catalog in memory, a menu prompts with a selection option which includes listing the entire file catalog, printing the same list, listing the names of all your diskettes, printing the same list, sorting and saving the lists, searching for a file name (listing all diskettes with that file), listing (or printing) the directory for a specific diskette, changing printer options, or quitting. Gemini and Epson control formats are provided, as well as directions for changing the defaults by using a disk fixer. Displays and listings may be halted by Function 4.

How does it perform? Response to commands is fast, and the only criticism I have heard is of the disconcerting "BY THE WAY" message followed by about two minutes of apparent inactivity -obviously

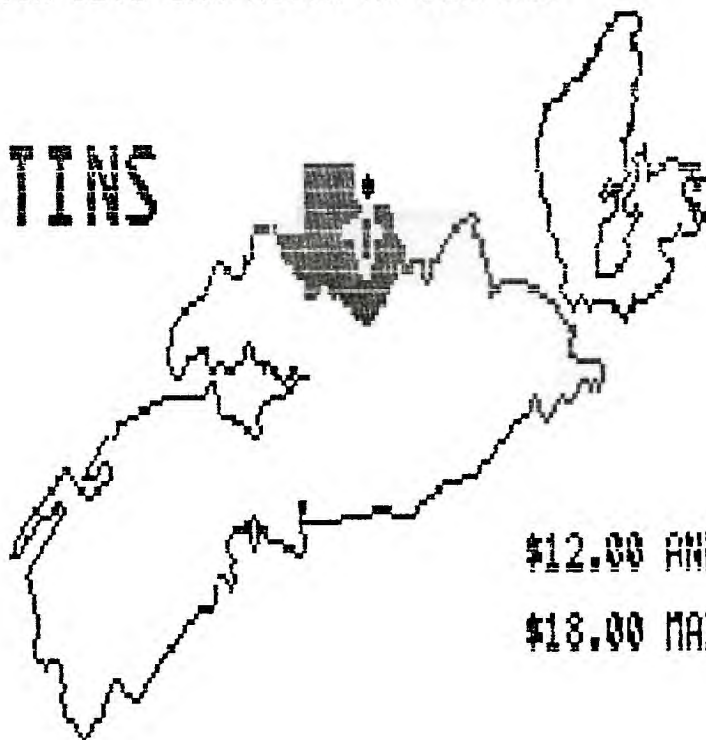
while the file is being sorted in memory. The message then continues with a reminder to send in your \$10. This is fair ball if you haven't paid, but can get monotonous if you have.

Altogether I recommend this as a useful addition to your library. Unfortunately it is presently loaded only by the Editor/Assembler cartridge. Perhaps if enough interest is shown, Mr. Kroll might be persuaded to assemble a version which can be loaded by EXTENDED BASIC. The program is available from the library, and you are encouraged to send your cheque (and your comments) to Marty Kroll, 218 Kaplan Ave., Pittsburgh, Pa 15227.

TEXAS INSTRUMENTS
USERS GROUP

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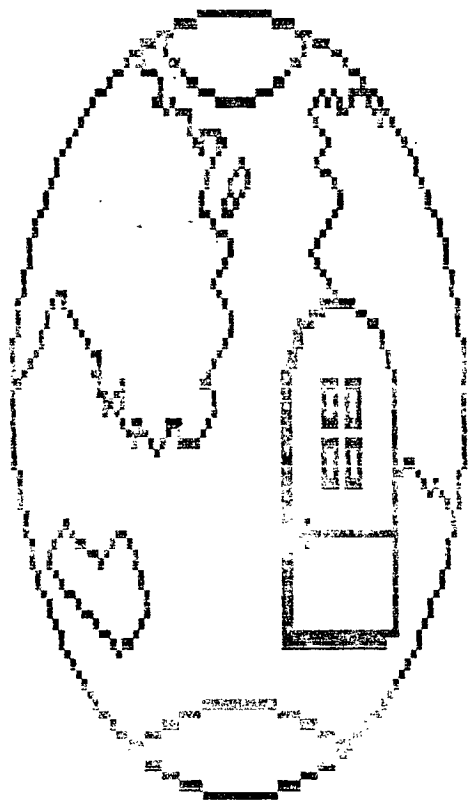
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PROPOSED TINS CONSTITUTION AND BY-LAWS

send message of suggested
alterations/amendments to Editor

This will be presented to the
membership when completed.

Article 1 - Name:

The name of the club shall be the
"Texas Instruments of Nova Scotia
Club", here-after referred to as the
club. The abbreviation TINS is
understood to have the same meaning.

Article 2 - Purpose:

The purpose of the club shall be
to provide a socially structured
unit in which computer enthusiasts,
specifically TI99/4A users, can meet
to share experiences, fellowship and
common interests. This club will
also provide an open forum wherein
new developments, updated
equipment, new ideas and problems
can be discussed, education obtained
and a concerted front presented
within the market place. Social and
recreational activities will be
provided for the membership.

Article 3 - Membership

There shall be three categories
of membership within the club:

A. Regular membership:

A person who attends normal
meetings on a regular basis will
normally be required to pay the
annual "regular member" fee. An
individual has the opportunity of
attending two meetings without
charge, prior to being required to
apply for regular membership.

B. Corresponding member:

A person who cannot, by reason of
location or any personal reason,
attend regular meetings may apply

for a "corresponding membership" and
pay the regular membership fee plus
a tariff added to defray postal
costs for the monthly newsletter.
Corresponding members may attend
regular meetings on such occasions
that they find themselves able to do
so.

C. Honorary membership:

Honorary membership may be
conferred upon an individual by the
club, in general meeting or in
executive meeting, for whatever
purpose the conferring body decides
is appropriate.

Article 4. Dues:

A. Regular membership fee shall
be \$12 per annum payable in Jan of
each year. This amount to be pro-
rated to the month in which
membership is obtained.

B. Corresponding membership fee
shall be \$18 per annum and run from
the month of application for a 12
month period.

C. There will not be a charge for
honorary membership.

Article 5. Executive Committee:

The executive committee will
normally be composed of the
following:

1. the President
2. The Vice President
3. The Sec/Treasurer
4. Disk Library manager
5. Cassette Library managers
6. Cartridge Library manager
7. immediate Past President
8. Such others as deemed

necessary from time to time, by the
membership at large.

The executive committee shall
have vested in it the authority to
direct and manage the affairs of the
club and shall exercise such powers
to do all such things as may be
exercised or done by the club,
except those things which are
prohibited by law or by these
by-laws.

The executive committee shall
determine who shall be authorized to
sign on behalf of the club any

bills, receipts, acceptances, endorsements, cheques, releases, contracts or documents.

Article 6. Committee:

Committees shall be formed from time to time to carry out the operation and management of the club for specific purposes. Committee chairmen shall be directly responsible to the President and the membership at large.

Article 7. Duties of Officers:

A. The President shall:

1. preside over all meetings of the executive committee as well as the normal monthly meetings of the club membership;
2. enforce all rules and regulations of the club as described in these by-laws;
3. have general supervision over all matters and activities of the club; and
4. be a member of all committees.

B. The Vice President shall:

1. assume the responsibilities and duties of the President when directed to do so as well as in the absence of the President;
2. be responsible for public relations and promotion of membership;
3. be responsible for arrangements concerning the accommodation of the club, specifically providing a meeting place for the monthly meetings;
4. act on behalf of the club as liaison officer with those organizations providing support and accommodations; and
5. provide liaison services between TINS and other computer clubs in the local area.

C. The Sec/Treasurer shall:

1. keep an accurate record of the proceedings of all meetings of the club;
2. keep a record of all correspondence;
3. notify members of meetings in

accordance with these by-laws;

4. retain records of each members name, address, phone number and membership date;

5. keep proper books and accounts for the club;

6. have care and custody of all monies, fees, funds and securities of the club;

7. issue membership cards to paid up members;

8. deposit all funds in the name of the club in such depository and in such manner as the executive committee may from time to time decree;

9. at any and all reasonable times exhibit the books and accounts of the club upon request through the executive committee; and

10. sign or countersign all documents, cheques or instruments as may require his signature.

D. Executive committee

1. manage the affairs of the club in a manner and in such a way and in keeping with the objectives and desires of the club;

2. carry out the duties and responsibilities of the committee chairman in the operation of committees as appended to these by-laws.

3. no member of the executive shall be personally liable or responsible for any loss due to failure of the club.

Article 8. Meetings:

A. The executive committee shall meet at least once each month to conduct the affairs of the club. Those committee members in attendance shall constitute a quorum.

B. General meetings of the club members at large shall be conducted on a monthly basis, except where such meetings may be cancelled with notice.

C. Notice of special meetings of the membership shall be given as far in advance as is practicable and shall state the purpose for which the meeting is called. Such special

meetings may include a call for election of officer(s) or such other business as may require the general membership. Unless otherwise indicated, such meetings will be set to coincide with the normal meeting times. Special meetings may be adjourned to carry on with normal activities when such business is concluded.

Article 9. Amendments:

A. These by-laws may be amended at a general meeting of the membership provided that the amendments have been published in the club newsletter for the preceding month.

B. By-laws may be temporarily amended by the executive committee in the form of a memorandum. Such memoranda shall remain in force only until the next general meeting at which time each shall be presented as a motion to amend the by-laws or be cancelled.

Article 10. Voting:

A. all regular members in good standing shall have the right to vote at general and special meetings of the club.

B. no member shall be entitled to vote by proxy on any matter concerning the club.

C. the majority vote will be in accordance with parliamentary procedure.

D. Corresponding members may participate in such decisions that are floored by means of the monthly newsletter.

Pins
1-1 6-20
2-3 20-6
3-2
7-7
8-8

1-1 6-20
2-3 20-6
3-2
7-7
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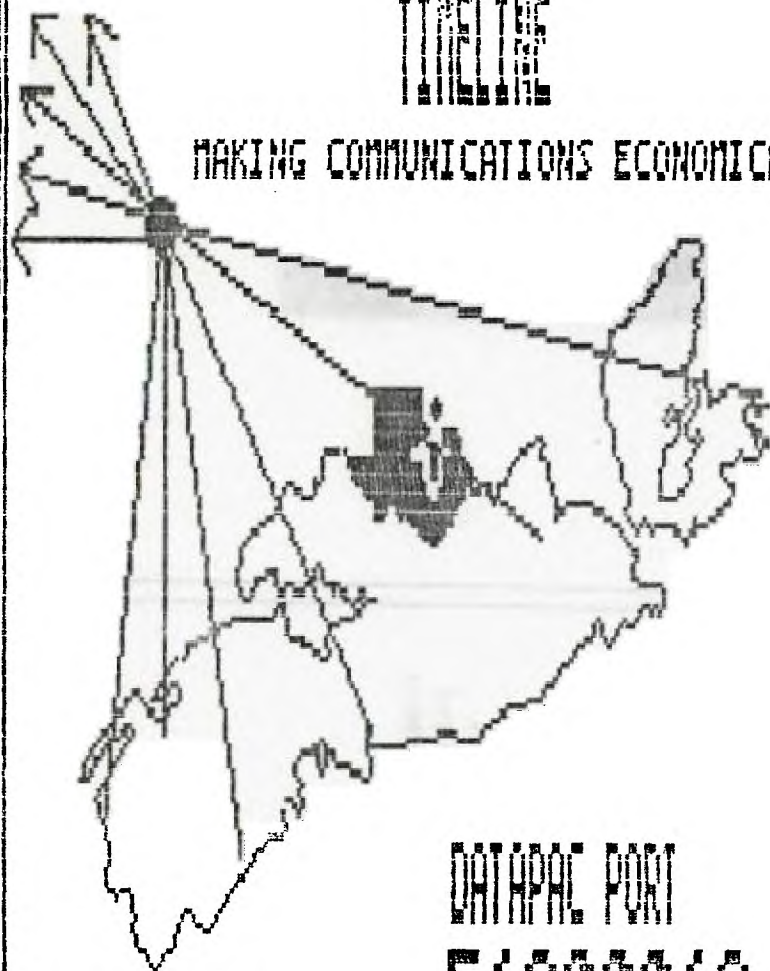
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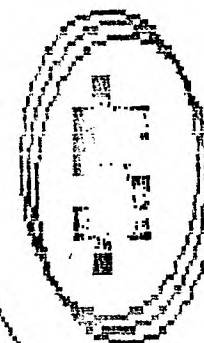


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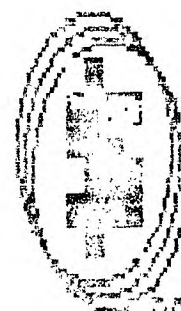
MEMBERS

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1. Best Basic Pen.
2. Best Seasonal Pen.
3. Contest Champion
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