

"HARDCOPY" is a publication of T'I — RUNNERS Calgary, Alberta

VOLUME 3 - ISSUE 4 - REF. # 17 DECEMBER 1986								
The executive members are:								
Ray Smulan								
Alex IveyVICE-PRESIDENT								
Dave Sisley								
Bruce TravisSECRETARY								
Additional positions held are as follows:								
PURCHASING DIRECTORGeorge Gaab								
PROGRAM DIRECTORBob Hurst								
LIBRARY DIRECTORAlex Ivey								
LIBRARY MANAGERS, Steve/Phil Treadgold								
LIBRARIANSonia Gagnon								
EDITOR IN CHIEFBruce Travis								
Single copy cost is \$.50/issue for non-members. Subscription rates are								
included in the annual membership fee as outlined in the section of								
"MEMBERSHIPS". Back issues are available to all members free of charge and to								
non-members at the single copy cost. Subject to availability. The library								
also maintains a copy available if you have TI-Writer. Issues will be mailed								
out to members subject to a surcharge of \$3.00 for postage and handling.								

out to members subject to a surcharge of \$3.00 for postage and handling. Articles and contents are to serve the TI-RUNNERS users group and are welcome from all sources. Advertising of products are not endorsed by this newsletter or by the group members. Accuracy of publication of programs cannot be guaranteed and will be corrected in future issues as required. Submissions must be submitted to: BRUCE TRAVIS, 5551-4 AVENUE N.E., CALGARY, ALBERTA, T2A 3X9 or brought to the meetings for transfer, if on disk.

EE.	×	es:	(;;;	L.I	.4.	T.	Ý	Æ.	1	11	е <u>н</u> ;	Æ:	PR		<u>C</u> B	i PR	0.3	11	1009		з:	N	ter.	C)	•1	••	••	••		••	**	1.
HIC.	1 (3	x	· T .	00	PR	۳	289 1891		r:::	co	PR	N	le:	1-2	••	••	••	•	••	••	•	•	••	••	••		••	••	••	•	••	582.
М	82	М	19	180	PS	æ	1-1	x	ţ::-	-	н	•		"		:*	•	•1 '	H	••	.,	•	•2		•	11			w	•	` . ,	12
v	X.	:5	T	. .I.	120	FR	(E);	••		•	••	•	•	••	"	•	•		••	••	26	••	•1	•	•	•	••	"			••	.c4
ES	L,I		r	2	195	193	193		М	HEC:	122	.1.	x	рđ	103	ı	M	X.	N	11	· • • •	125	19 3		a	•	*	•1		••		~].
ter.	HS:	(·)	.т.	۱.J	PR	67		<i>۲</i> ۱	FR.	.1.	Ŧ	c	l	Æ.	••			••	••					••					••			15
۱	X.	E	PS	(A)	FR.	Y				•				•1	н			۳			4	••		.,	•		••	••	"		••	7
x	N	t:=	C	144	M	64	л.	30	c	-N	ı.	c	m	1-2	N	1693	FR	-			••		••	••		••	,,	••	n	••	.,	7
' 1''	τ		Г <u></u>	(())	۱	æ	IN	1	A	PR		••	•		,,				"	••	"	"		••	u	••	n	"			"	9
77	x	19	I.	٦٢	183	••	••		••	۳	.,		••		••	"			••	••		.,	••		.,	••				4	н	~>
Fr:	E.	A	"r	١	112	ER.		£.3	, inc	r.	т	\mathbf{c}	I	1 80		Т.	N	r:3	œ	×		ч .	co		x0	ı: م	-r-	151.			Э.	Ó

EDITOR'S CORNER



growite the

MERRY CHRISTMAS & HAPPY NEW YEAR! Bruce H. Travis, E.I.C.

MEMBERSHIPS

Memberships are now due and run from October 1st or as issued to the following September 30th. This enables all memberships to become due at the start-up in the fall. To allow for late registrants of NEW FIRST TIME MEMBERS ONLY, we are using a two tier fee structure. The dues for the following year are as follows: NEW M ^{··} BER REPEAT MEMBER

MONTH February-June \$10.00/yr \$20.00/yr

\$20.00/vr

The following members are registered to vote and/or to hold office on the December 18 annual elections. If your name is not on this list, it indicates that you have not paid your 1986/87 dues. You may bring your membership back into current status by submitting the relative fees as outlined above. JADVANCE [NOTICE

-MEMBERSHIP NUMBER -DATE MEMBERSHIP EXPIRES -PAID/UNPAID MAILOUT -TELEPHONE NUMBER #301/EXP870930/000/2351321 RAY SMULAN 3221 DOVER ROAD S.E. CALGARY, ALBERTA, T2B 1V5 #302/EXP870930/000/2733792 BRUCE TRAVIS 5551-4 AVENUE N.E.

CALGARY, ALBERTA, T2A 3X9

#305/EXP870930/000/2778572 ALEX IVEY 1030 RUNDLE CRESCENT N.E. CALGARY, ALBERTA, T2E 5M2

#306/EXP870930/000/2843597 JASON LEE 5008 NEMISKAM ROAD N.W. CALGARY, ALBERTA, T2K 2P7

#308/EXP870930/000/2733505 JACK SUMMERS 4711 MARBURY PLACE N.E. CALGARY, ALBERTA, T2A 2W1

#309/EXP870930/000/2461252 RAYMOND HOPLAND 6636 LETHBRIDEGE CRESCENT S.W. CALGARY, ALBERTA, T3E 6A4

#310/EXP870930/000/2834793 PHIL/STEVE TREADGOLD 418-16 STREET N.W. CALGARY, ALBERTA, T2N 2C1

#311/EXP870930/300/2481710 BARRY ROBINSON 2632-16 AVENUE S.E. CALGARY, ALBERTA, T2A 0M4

#313/EXP870930/000/2730953
FRED HORNUNG
4919 FOURIER DRIVE S.E.
CALGARY, ALBERTA, T2E 0S9

#314/EXP870930/000/2512382
GERRY JOHNSTON
#23, 2225 OAKMOOR DRIVE S.W.
CALGARY, ALBERTA, T2V 4N6

#316/EXP870930/300/2737833 DAVE SISLEY 1319-68 STREET N.E. CALGARY, ALBERTA, T2A 5Y7

#317/EXP870930/000/2856570 FRED CLARK 35 FALTON DRIVE N.E. CALGARY, ALBERTA, T3G 1K6

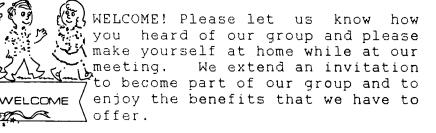
#318/EXP870930/300/2727218 GEORGE GAAB 732 FORTALICE CRESCENT S.E. CALGARY, ALBERTA, T2A 2E1

#324/EXP870930/000/2858176 PETER KUCZAJ 119 WHITEHORN ROAD N.E. CALGARY, ALBERTA, TIY 2A1

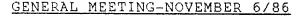
#325/EXP870930/000/_____ TERRY JACKMAN

CALGARY, ALBERTA,

BRING YOUR FRIENDS VISITORS



BUSINESS MINUTES





The meeting was called to order at 7:45 with 14 members present. The minutes of the previous meeting were read and ammended that 6 A/E chips were available only. George G made a motion, seconded by Fred H. and carried as ammended.

Dave S. reported that the club has \$325.02 in the bank plus COH giving a balance of \$355.91 with most of the bills paid. Those that were still outstanding were as follows:

\$10+- Reimbursement to George for mailouts \$20.50US Micropendium subscription renewal \$4.00US Freeware Updates

\$20.00CAN Universal Disassembler

=\$64CAN approximate equivalent.

Motion of payment made by George G., seconded by Phil T. and carried.

Sonia has completed the rules/regulations as has been passed onto the secretary for insertion into the newsletter for the Cartidge Eschange Program.

It was noted that the approximate cost of parts for the Supercartridge is \$23.50.

Films will be shown on the second meeting of the month. Phil and Steve's dad will be approached to be the backup person for the return of the projector and film when taken out of the Downtown Library.

It was noted that disks are available from London Drugs on 32nd Avenue N.E. at the cost of \$7.98/box (a good price).

It is now rumored that the cost of the Geneve is \$720CAN.

Meeting was adjourned at 8:10pm.

GENERAL MEETING-NOVEMBER 20/86



The meeting was called to order at 7:45 with 10 members and three visitors present.

The minutes of the previous meeting were read and accepted on a motion by Fred C., seconded by Jason and carried.

Dave S. was not present to give the treasurer's report.

George reported that he got his Visa bill and the the final cost of the A/E chips with the current exchange rate is now \$7.00 each. Motion was made by Peter K., seconded by Fred C. and carried the Supercartidge write-up will be made available to those interested at a surcharge of \$1.00.

We welcomed three visitors: Frank, Jim and Jennette to our meeting.

Nominations were open to the floor and were accepted as follows with letting their names stand for election on the last meeting in December.

Ray -President; Alex -Vice President; Bruce -Secretary; Phil and Steve -Library Managers; Dave -Treasurer; George -Purchasing; Sonia -Librarian and Jason -Program Director.

It was discussed that each member will be given a Library disk to look over and sort out: bringing back to the Club a paragraph write-up on disk (if possible in T.I.-Writer) what he/she found to be the best program/game/utility on the disk. This write-up would then be used to promote that item in the newsletter. In exchange for this effort the person will be given the opportunity to copy free of charge any or all of the programs on the disk which he was given provided he/she did an acceptable job.

FEATURE ARTICLE



This month we will be using this column to describ the special films that are being brought in to the club on the second meeting of each month. This is in itself, worthy of this area of the newsletter as it is the audio-visual feature article of the Computer.

The first one on the list is to wet the appetite of those who missed it. The second was shown on the last meeting of November. On the second meeting of January 1987 when we will be showing the third listed film. If that confuses you you can figure it out by writing an equation on the T.I.

1. Now The Chips Are Down

-Produced by the British Broadcasting Corp. 1978

-50 minutes - Junior High to Adult -An explanation of "chips" or the electronic base of computers. It questions and examines the social implications of automation.

2. Silicon Factor: And What Of The Future

-Produced by BBC-TV 1980

-40 minutes - Adult

-Explains the effects of microelectronics on our jobs and our life styles. Some answers are discussed by looking at the Washington Metro, a Dallas supermarket, various offices, a bank in New York and a Scottish hospital. Issues raised by these examples are profound and could affect those whose jobs have been considered `safe' from computer takeovers.

3. Painting By Numbers

-Produced by BBC 1981

-59 minutes - Senior High to Adult

-A look at the complex world of computer graphics technology. Considers some of its many applications, focusing on computer art and animation.



LIBRARY

The TI-Runners' library is restricted to paid-up members only and non-members are NOT allowed to buy any program from the group.

See the general meeting minutes of November 20 for future articles that will be appearing in this column.





The Info Corner this month will again deal with the newly formed section of the User Group which is the CARTIDGE EXHANGE.

RULES/REGULATIONS

1. BORROWER MUST BE A PAID-UP MEMBER OF THE "TI-RUNNERS USER GROUP"

2. CARTIDGES ARE ON LOAN TO THE CLUB AND REMAIN THE PROPERTY OF THE DONER, AND MAY BE PULLED FOR THE LOAN-LIBRARY AT ANY TIME.

3. THE REGISTERED BORROWER IS FINANCIALLY RESPONSIBLE FOR ANY CARTIDGE IN HIS/HER POSSESSION SHOULD IT BECOME LOST OR SCRAMBLED. IF THE CLUB MUST REPLACE THE CARTRIDGE, THE REGISTERED BORROWER MUST REPAY THE CLUB.

4. THE COST OF BORROWING A CARTIDGE WILL BE \$5.00 PER 4 WEEK PERIOD. THERE WILL BE A LATE RETURN CHARGE OF \$3.00 PER 2 WEEK PERIOD.

5. NO BORROWER WILL BE BE PERMITTED TO SUBLET THE CARTRIDGE TO ANY OTHER PERSON WHILE HE/SHE HAS IT SIGNED OUT.

6. THE LIBRARIAN WILL KEEP AN UP-TO-DATE LIST OF AVAILBLE CARTIDGES AND A WAITING LIST FOR ALL CARTRIDGES. NO ONE MAY RENEW A LOAN IF THERE IS A NAME ON THE WAITING LIST.

7. NO ONE MAY KEEP A CARTRIDGE OVER THE SUMMER CLOSURE.

8. NO ONE MAY REMOVE THE IDENTIFYING LABEL FROM ANY CARTRIDGE OR DOCUMENTATION.

9. THESE REGULATIONS WILL BE MODIFIED AS NECESSARY TO MAINTAIN THE SECURITY OF THIS PROGRAM.

AVAILABLE CARTIDGES TO DATE

U001 Weight Control Nutrition/301 U002 Household Budget Management/301 E001 Alien Addition (Educational)/301 E002 Reading Rally (Educatonal)/305

- G001 Moon Sweeper/305
- G002 Fathom/305

```
G003 Alpiner/305
G004 Demon Attack/305
```

- G005 Car Wars/305
- 0005 Car Wars/305
- G006 The Attack/305



G007 Video Chess/305

This list will be modified as found necessary in future newsletters.

TI CALENDAR

Meetings are held every second Thursday, resuming JANUARY 8, 1986 from 7:00-9:30pm in Science Room #2 at Dr. G. M. Egbert Community School - 6033 Madigan Drive N.E. Take a couple of hours out and come to your meeting.



TIBITS

He who sows his seed reaps the benefits ten fold over.



LE FE TURE R ידי 2 74 Т 1 - TO-NDEX-ר æ E Ι - II 5 2

GUST I.U.I.IE	155.05.1 ⁰⁰	Page
Extended Basic		6
by Don Smythe	_	
Linking to Console ML Routines by Ron Zakariasen		6
Introduction To Forth		3
by Grant W. Bell		
Level 1 Disk Drive Read/Write Access	53	5
by Ron Zakariasen		~
Venturing Forth by Grant W. Bell		, . 6
Heart Rate Percentage Table	5	2
by Barry Robinson		
3D Sprite Extended Basic Demo	б	3
by Joe Martens (Reprint)		
TI-Writer/Companion Comparison	9	4
by George Gaab		
Assembly Language Review - Part I	.10	4
by Michael Clark		
Assembly Language Review - Part II	.11	9
by Michael Clark		
Assembly Language Review - Part III. by Michael Clark	.12	7
		4
Assembly Language Review - Part IV., by Michael Clark		4
Assembly Language Review - Part V	٦ ٨	o
by Michael Clark		
Autoload Mini-cataloger	.15.	Δ
by Bill Gaskill (Reprint)	113171	
Audio-Visual Review-OND	.17	6
by Ray Smulan		

٠