

**CLEVELAND AREA 99/4 USER GROUPS  
NEWSLETTER**

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from

NORTHCOAST

OLON

TI-CHIPS

GOLDEN CRESCENT

MARCH - 1984 <sup>15</sup> (1985)

**Executive Notes - Solon**

Personal thanks to Walt Ryder for his February presentation on file management and planning. As usual, he provided us with a very informative and useful program. I would also like to extend my gratitude to Walt for helping me get started off on a positive note as your new president. I am looking forward to a fun and exciting tenure.

For those of you who missed the last meeting, Don Schmidt, of Compro, displayed a selection of products for the TI 99/4A. Don will return in March to present Milton Bradley's "MBX" expansion system. "MBX" allows user control of game software through a unique system of voice recognition. This should prove to be great fun, and I'm sure you won't want to miss it.

Our program committee will be keeping us informed two months in advance on up and coming programs, and I've been informed that Chuck Mareno, of the Golden Crescent Group, will be demonstrating the "Word Speller" program, in April.

As was mentioned in this column last month, we are once again asking our members to complete the enclosed questionnaire regarding your interests, preferences, equipment, etc.. Please take a few minutes to complete the form and return it. This will provide a valuable aid in helping us ascertain in which direction we will be going in the coming year.

It seems that due to a lack of interest, the programming contest has fallen by the wayside and has been done away with. In light of this fact, we will be setting aside a future meeting for members to show off some of their favorite programs. So-o-o, polish up those homegrowns and watch for further details!

T.V. Note - P.B.S. broadcasts an excellent program entitled "The Computer Chronicles". This fascinating show deals with computer technology and advances. For example, a recent program dealt with computer assistance for paraplegics and the blind. The program also has a review of commercially available software, in an objective and unbiased manner. I highly recommend it! Ed. Note - I have Viacom, and get this, along with "New Tech Times" at 6:00 P.M. Saturday,, from WEAD - Akron - Channel 49. To the best of my knowledge, WVIZ - Channel 25 only carries "New Tech Times", and that's at 11:30 A.M., on Sunday. I would recommend "New Tech. Times" too.

Steve Weinkamer, President

See you MARCH 9th. at:

Solon Public Library, Inwood Drive, Solon, Ohio  
Education Session - 10:30 A.M. \*\* General Meeting - 11:30 A.M.

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OFFICERS - CLEVELAND AREA USERS GROUPS

SOLOM

PRESIDENT - STEVE WEINKAMER (1-274-2554)  
VICE PRESIDENT - WALT RYDER (921-8223)  
TREASURER - FRANK JENKINS (283-8526)  
SECRETARY - BARBARA BUTLER (561-9079)  
LIBRARIAN - DAVE MLUCH (1-274-8004)

NORTHCOAST

PRESIDENT - KEN GLADYSZEWSKI (357-7274)  
VICE PRESIDENT - DAN DAVENPORT (451-9061)  
TREASURER - LEWIS CANCASI (289-2439)  
SECRETARY - JOHN BLACKNER (257-2672)  
LIBRARIAN - KEN GLADYSZEWSKI (357-7274)

GOLDEN CRESCENT

PRESIDENT - CHUCK MARINO (324-4388)  
VICE PRESIDENT - DICK BURGER (967-1317)  
TREASURER - DALE SCHIEFERSTEIN (988-5150)  
SECRETARY - OPEN  
LIBRARIAN - JUDY HAYDEN (988-5597)  
NEWSLETTER EDITOR - KEN VARGO (NO PHONE)

TI-CHIPS

PRESIDENT - BERNIE GALLAGHER (351-1265)  
VICE PRESIDENT (Election of officers)  
TREASURER - (to be held at next meeting)  
SECRETARY - JAN FEDOR (524-6192)  
LIBRARIAN -

GROUPS' NEWSLETTER ED. - MARK WOODWARD ((561-2967)

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**TI-CHIPS EXECUTIVE NOTES**

Our monthly meeting was held on February 16th. Our Library is really working well now, thanks to all of those who helped with it, especially the Hageles.

Steve Latza gave another presentation on TI Forth. This may be a monthly segment of our meetings for those interested in learning the TI Forth language. Thanks, Steve!

Terry Vacha, a new member, gave a presentation on using sub-programs in Extended Basic. It is great to see new members participating.

Tom Thalner, of Edu-Comp, introduced a new printer by Star. It is near letter quality, has proportional spacing, a very nice piece of equipment. He advised that it is now possible to print graphics made on the Sketch Pad. You need a Cartridge Expander and either Extended Basic or the Editor Assembler. Tom also brought some new games and demonstrated them to us. Thanks to Tom and Judy, we've gotten to see a lot of equipment at our meetings, and we hear of the latest developments. We also enjoy browsing through the software he brings in.

Don Schmidt, of Compro, also has a display at our meetings. We certainly appreciate this!

Once again we are asking members to let us know what they want to learn about at our meetings. Call Rich Polivka (238-3971) with any ideas. (Ed.Note - Mailing your Questionnaires would help, too)

Next month we will have our election of officers. We hope to have a big turn out of members for this important meeting. Nominations can be phoned in to Bernard Gallagher (351-1265).

See you all next month, March 16th at the North Royalton Public Library at 10:00 A.M..

Jan Fedor, Secretary

# GOLDEN CRESCENT MOONLIGHTER



MARCH 1985



## EDITORSNOTES

HELLO AGAIN! LONG TIME NO HEAR FROM! SORRY!! ITS BEEN A LONG TIME. DUE TO MY EXPANSION BOX FAILING I HAVEN'T BEEN ABLE TO WRITE THE NEWSLETTER. THAT UNFORTUNATELY TOOK AWHILE TO REMEDY AND WHEN THAT WAS FIXED THERE WAS A MISHAP WITH MY 32K MEMORY CARD. BY THE TIME EVERYTHING WAS BACK UP AND RUNNING MY DEADLINE HAD PASSED AND I COULDN'T GET ANY ARTICLES OUT.

I MISSED THE LAST MEETING (JANUARY) SO I'M NOT UP TO DATE ON THE ELECTIONS OF OFFICERS. I'LL GET THAT INFORMATION AND PASS IT ALONG WHEN I GET IT. WOULD ANYONE OUT THERE LIKE TO HELP ME WITH THE NEWSLETTER. I HAVE ALOT OF TIDBITS THAT HAVE TO BE ENTERED INTO THE COMPUTER AND I REALLY NEED A HAND GETTING THE WORK DONE. IT WOULD TAKE ONLY A COUPLE OF HOURS A MONTH AND ISN'T HARD AT ALL. LET ME KNOW.

DOES ANYONE OUT THERE DO ANY GRAPHIC PICTURES WITH THE TI A PRINTER? I'D LIKE TO PUBLISH THEM TO ADD SPICE TO THE NEWSLETTER. DOES ANYONE HAVE A GRAPHICS PROGRAM THAT THEY COULD GIVE ME TO DRAW SOME ART WORK? SEEMS OUR MEMBERSHIP IS DECLINING. IT'S A SHAME TO SPEND ALL THAT MONEY FOR A SYSTEM NOT SEEK OUT INFORMATION ABOUT IT, NOT PASS ON WHAT YOU'VE LEARNED TO OTHERS. AND END UP SELLING YOUR SYSTEM CAUSE IT'S NOT DOING YOU ANY GOOD. MOST IF YOU BOUGHT A TI AS A FIRST COMPUTER OR ONE

TO PAY \$50.00 FOR AND GET YOUR FEET WET AND NOW IT COLLECTS DUST AND WAITS FOR A NEW HOME. MINE IS MY SECOND SYSTEM. MY FIRST WAS AN ATARI 800 AND IT WILL ALWAYS BE MY BEST. NOT THAT THE TI IS BAD BUT THE 800 I LIKE BEST. WHY THEN BUY A TI? I ALWAYS WANTED ONE, THOUGHT THEY HAD POTENTIAL AND I THINK IT'S A DAMN GOOD MACHINE. IF YOU FEEL YOU CAN'T REALLY DO ALOT WITH A TI AND YOU BUY ANOTHER SYSTEM YOU PROBABLY WON'T DO ALOT WITH IT EITHER.

EVERYONE DO EVERYONE ELSE A FAVOR ASK FOR HELP IF YOUR STUCK AND PASS ALONG INFORMATION WHEN YOU FIND OUT SOMETHING NEW. LET ME KNOW HOW YOU FEEL AND WHAT YOU NEED OR WANT. I'LL TRY TO HELP. EDITOR

## MEETING

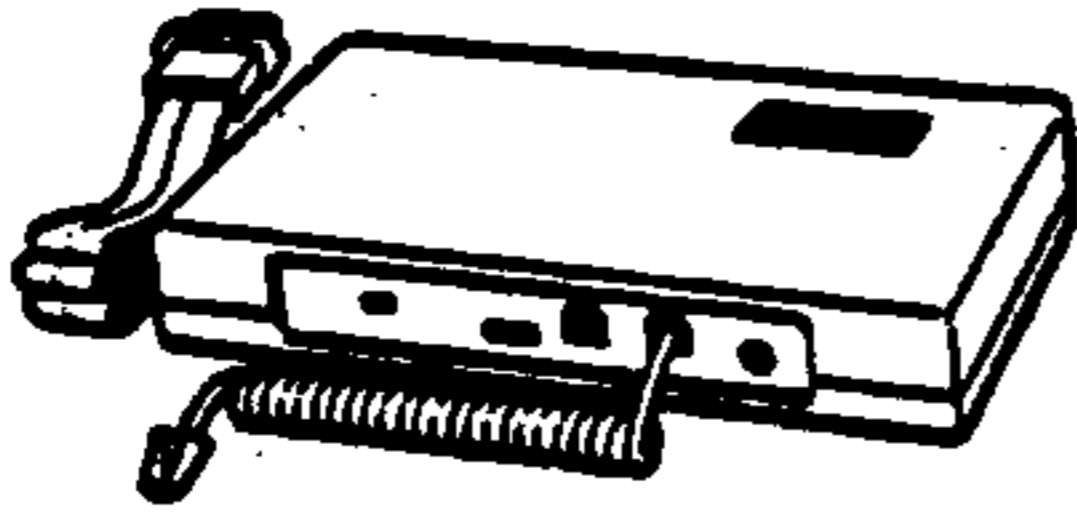
THE NEXT MEETING WILL BE HELD MARCH 31<sup>ST</sup> 1985. ALL MEMBERS ARE EXPECTED TO ATTEND.

## OFFICERS

PRESIDENT - CHUCK MARENO  
324-4388  
VICE PRESIDENT - DICK BURGER  
967-1317  
TREASURER - DALE SCHIEFERSTEIN  
988-5150  
SECRETARY - PRESENTLY OPENED  
NEEDED DESPERATLY  
LIBRARIAN - JUDY HAYDEN  
988-5597  
EDITOR - KENNETH VARGO  
NO PHONE



# MOONLIGHTER



B.B.'S

## CONTRIBUTIONS

SUBMITTING TO THE MOONLIGHTER IS EASY. PROGRAMS CAN BE SUBMITTED ON TAPE, DISK OR PRINTOUT. MATERIAL CAN BE SUBMITTED USING TI-WRITER, TEX-SCRIBE (AVAILABLE FROM EDITOR), PRINTOUTS OR CRAYON AND PAPER. ARTICLES ON REVIEWS, PROGRAMS, TUTORIALS, AND ARTICLES OF GENERAL INTEREST ARE EXCEPTABLE. ALSO OF GREAT INTEREST IS COMPUTER ART AND LETTERS OR QUESTIONS TO THE EDITOR ARE ALWAYS WELCOME. ALL DISKS AND TAPES WILL BE RETURNED TO SENDER AND WRITTEN MATERIAL OR COMPUTER ART WILL BE RETURNED ON REQUEST.

SEND CONTRIBUTIONS TO:  
 GOLDEN CRESCENT MOONLIGHT NEWS  
 C/O KENNETH VARGO  
 1111 MIDDLE AVE.  
 ELYRIA, OHIO 44035

MATERIAL MAY ALSO BE DROPPED OFF IN THE EVENING AT THE ABOVE ADDRESS OR AT THE MEETING!

## SOLICITATIONS

PERSONS WISHING TO CONTRIBUTE TO A PRINT LIBRARY SHOULD GIVE MATERIAL TO KEN VARGO (NEWSLETTER EDITOR) OR CHUCK MARENO (PRESIDENT). MATERIAL WILL BE AVAILABLE TO CLUB MEMBERS TO BORROW AS SOON AS AVAILABLE.

ALSO PROGRAM SUBMITTIONS SHOULD BE GIVEN TO KEN VARGO OR JUDY HADEN. PROGRAMS WILL BE REVIEWED AND DISCUSSED IN THE NEWSLETTER.

PLEASE DO YOUR SHARE AND CONTRIBUTE!

## DEADLINE

THE DEADLINE FOR SUBMISSION OF MATERIAL FOR THE NEWSLETTER IS THE 10TH OF THE MONTH. ALL MATERIAL MUST BE IN MY POSSESSION BY THAT TIME TO ALLOW FOR REVIEW AND LAYOUT WORK.

LISTED IS OUR CLUB BULLITIN BORAD AND OTHERS AROUND THE COUNTRY. THOSE WITH MODEMS PLEASE CONTACTS THESE BOARDS AND LET THEM KNOW T.I. IS ALIVE. THEY HAVE A LOT OF HELP TO OFFER AND SOME MAY. EVEN NEED YOUR HELP. IT WOULD BE A GREAT SERVE TO SHARE ANY INFORMATION THAT YOU RECEIVE WITH THE REST OF OUR GROUP. REMEMBER TO SUBMIT ANY PROGRAMS ALSO.

\* CLUB TI COMM 324-4388  
 CHUCK MARENO (PRESIDENT)  
 SUNDAYS 8PM TO 11 PM

HOUSTON TX RALPH ARNOLD 713  
 497-3099

FONTANA CA PETER COVERT 714  
 350-8583

BUFFALO NY PETER TESTA 716  
 837-6635

ST.PETE#1 FRANK WATTS 813  
 525-7998

INFO ABOUT TIBBS WRITE TO TIBBS  
 PO BOX 393 KENNESAW, GA 30144

MISON WIS 608  
 263-2784

## NOTICE

I'D LIKE TO THANK CHUCK MARENO FOR ALL THE INFORMATION PROVIDED ON COMPUTER PRINTOUTS AND NEWSLETTERS FROM OTHER CLUBS. MUCH OF THIS INFORMATION WILL BE PASSED ON TO OUR MEMBERS. I'D ALSO LIKE TO THANK TERRY DIETRICK OF CLEVELAND FOR CONTRIBUTING THE GAME HE WROTE. IT WILL BE PASSED ON TO THE MEMBERS SHORTLY. THANK YOU BOTH FOR YOUR HELP AND CONTRIBUTIONS. EDITOR



# MOONLIGHTER

## TIPS

THOSE OF YOU HAVING PROBLEMS WITH LOSING ALL YOUR HARD WORK BY TYPING FUNCTION QUIT INSTEAD OF SHIFT + WILL LOVE THIS. TO ALLEVIATE THIS PROBLEM THE QUIT COMMAND SHOULD BE DISABLED. THIS CAN BE DONE IF YOU HAVE EXTENDED BASIC AND THE MEMORY EXPANSION. ALL ONE MUST DO IS TYPE IN:

100 CALL INIT

110 CALL LOAD(-31906,16)

TYPE RUN AND QUIT IS GONE.

THANKE GOES TO JEFF MARKEY, FORT DODGE, IA.

ZORK \* TO TURN THE BOLT TRY PUSHING THE YELLOW BUTTON THEN TURNING THE BOLT WITH THE WRENCH

ZORK \* TO GET THROUGH THE MAZE TRY W,S,E,U,SW TO GET FROM THERE TO THE CYCLOPS ROOM GO E,S,SE TO GET TO THE GRATING ROOM FROM THERE TRY U,D,NE

## ADS

ADS FOR ITEMS FOR SELL, TRADE, SWAP, OR WANTED SHOULD BE SUBMITTED TO THE NEWSLETTER FOR PRINT.

ADS WILL RUN FOR THREE CONSECUTIVE ISSUES AFTER WHICH IT WILL BE WITHDRAWN. ADS MUST BE RESUBMITTED TO BE RERUN. ADS ARE FREE TO ALL CURRENT MEMBERS. COMMERCIAL ADS EXCLUDED.

SEND TO:  
GOLDEN CRESCENT MOONLIGHTER ADS  
C/O KENNETH VARGO  
1111 MIDDLE AVE  
ELYRIA, OHIO 44035

ADS WILL APPEAR IN NEXT CURRENT ISSUE AFTER SUBMISSION.



## REMINDER

CHECK THE NEW MEETING DATE AND TIME!

MAKE SURE TO ATTEND!



## SUBSCRIPTIONS

SUBSCRIPTIONS : \$12.00 SINGLE

\$17.00 FAMILY

MEETINGS : Temporarily 7:30PM

4TH THURSDAY OF THE MONTH

RAM ENTERPRISES

2907 LIBERTY AVE

VERMILION, OHIO

INSIDE THE WOODEN NEEDLE

NEWSLETTER IS PUBLISHED 12 TIMES PER YEAR

## DISWANTS

TI 99/4A COMPUTER, EXPANSION BOX, DISK DRIVE, EXTENDED BASIC, EDITOR ASSEMBLER, SPEECH SYNTHESIZER, CASSETTE RECORDER JOYSTICKS. \$400.00

~~IBM FORMAT TAPE RECORDER - BUT WITH~~  
KENNEDY DIGITAL TAPE RECORDER \$200.00 OR BEST OFFER.

~~DEC PDP-11 COMPUTER - BUT OFFER~~  
LARGE COMPUTER POWER SUPPLY \$40.00 WILL CONSIDER TRADE FOR OTHER COMPUTER EQUIPMENT. NEED MODEM!

CONTACT: JOHN STURMAN  
4336 GRANNIS RD  
FAIRVIEW PK, OH 44128  
331-0521

## DISWANTS

TI 99/4A, CASSETTE RECORDER, EXTENDED BASIC, TERMINAL EMULATOR, SPEECH SYNTHESIZER, WICO JOYSTICK ADAPTER, 1 JOYSTICK, 3 CARTRIDGES, 20 CASSETTE TAPES. LIKE TO SELL AS A PACKAGE. \$200.00

CONTACT: KEN EV HAGEDORN  
549 GREENLAWN DR  
AMHERST, OH 44001  
(216)988-7427



## EXECUTIVE NOTES--NORTHCOAST

As announced previously, you will find a questionnaire elsewhere in this newsletter. Please take the time to check-off the equipment you own and mail the form to us. This will be of tremendous help to our new program chairman--John Murcer (845-8817)--when arranging demonstrations and seminars.

Those members unable to attend our last meeting missed an informative question/answer period, a demonstration of Console Writer by Navarone using two monitors, and an unannounced sale of books at 20-40% of list price. These include:

KIDS & THE TI 99/4A	---	List \$19.95	x 40%	= \$8.00
GAMES TIs PLAY	---	List \$14.95	x 40%	= \$6.00
ELEMENTARY TI 99/4A	---	List \$14.95		SOLD OUT
COMPUTER PLAYGROUND	---	List \$9.95	x 20%	= \$2.00

These books will again be available at our next meeting, after which they will be made available to our sister groups and others. Proceeds of this sale will go toward club purchases this year of software and perhaps a T.I.B.B.'s Bulletin Board with up/down load capabilities. We have just purchased Extended Basic for the club system and Quick-Copy for use by the library.

Cataloging of the library's approximate 35 disks is proceeding slowly and because of this, tentative plans are being made for a copy session of the library, as is, around March 30. Exact time, date, and place to be announced. This will, of course, be limited to current Northcoast members--valid membership cards will be required. Please contact Elmo Iacobucci (585-5413) if yours is not current. We will have three or more computer systems with multiple drives. Each system will have a portion of the library and will be using Quick-Copy which copies a disk in two passes, resulting in considerable time savings over Disk Manager. This program makes the copy an exact clone of the master including the disk name, and writes over any previous programs. Use of this program makes individual program copying impossible. A small equipment usage fee will be charged per disk. Members should bring a supply of pre-initialized single sided disks, as a very limited amount will be available for sale. Please, no floppy-floppies!!

Robert Van Etten has recently contributed a large number of programs to the library. These are being sorted and will not be available for some time.

We are looking for a talented person to design and build a simple box which will enable the club system to be transported easily without the need to be disassembled each time. Also, did anyone receive a game other than Tombstone City with their Editor/Assembler. Please contact me on either of these items. Also please pick up previously ordered items. The disk file boxes are NOT in yet.

Our bulletin board is losing its happy home, and since no extra line is available, a new line at another location is being installed and the equipment moved before the next meeting. We will put the new number on the board prior to moving it. Please use your handsets when calling the old number to hear announcements of a number change.

At the last meeting we added two family and two individual memberships--Welcome!! Elmo Iacobucci, our membership chairman, is starting a membership drive. Members: we encourage you to bring visitors anytime, but especially to our next meeting Saturday March 16th, 1:30PM in the Euclidian Room at the Euclid Square Mall. Due to the lack of a P-Box at the last meeting, we will again try to demonstrate Master Disk File and Diablo by Extended Software.

See you there!

P.S. We will be raffling off a QUICK COPY PROGRAM. A \$19.95 value at five chances for \$2

Ken Gladyszewski -- President  
(357-7274)

**SURVEY  
CLEVELAND AREA T.I. 99/4 USERS GROUPS**

The officers of our area groups have requested that we conduct this survey in the hope that the responses will give them a handle on the hardware, software and expertise that is out there.

This information should further improve programming of our meetings, and perhaps the contents of this publication. We are attempting to set up this questionnaire so that you can quickly check or circle most information requested, fold it, seal with tape, attach a 22 cent stamp, and mail. We'll tabulate and publish the returns in a future Newsletter, so that we can all be aware of the commitment of our peers.

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1. YOUR NAME? \_\_\_\_\_ (Leave off if you wish anonymity)

2. YOUR GROUP? --      Solon ( )    Northcoast ( )    Golden Crescent ( )    TI Chips ( )

3. APPROXIMATELY WHEN DID YOU ACQUIRE YOUR COMPUTER?      Month \_\_\_\_\_, 19\_\_\_\_

4. CIRCLE HARDWARE YOU OWN.

TI99/4	TI99/4A	Cassette Recorder	Monitor
Joysticks	P.E. Box	32K Memory	Disk Drive (Single/Multiple)
Speech Synthesizer	P-Code	Printer (Epson/Gemini)	Other _____?
Modem (Acoustic/Direct Connect)	Other _____		

*Fold  
Here* →

5. CIRCLE SOFTWARE YOU OWN.

Ex. Basic	TI Writer	TI Multiplan	Term. Emulator II
Logo	Editor/Assembler	Mini Memory	Tax/Personal Rec.Keeping
House Budget	Other than TI? _____		

6. NUMBER (1,2,etc.) IN ORDER OF PREFERENCE TO YOU, THE TYPE OF SOFTWARE IN WHICH YOU ARE INTERESTED.

( ) Games                      ( ) Music                      ( ) Education                      ( ) Home Finance  
( ) Utility                      ( ) Graphics                      Other \_\_\_\_\_

7. NUMBER (1,2,etc.), IN ORDER OF PREFERENCE, THE TYPE OF PROGRAMS YOUR GROUP SHOULD PRESENT AT ITS' MEETINGS.

( ) All following    ( ) Software demos    ( ) Hardware demos    ( ) Hdwe. Trouble shooting  
( ) Programming    ( ) Swap shop            ( ) Commercial products available  
Other suggestions are welcome!

*Fold,  
Here*

8. HOW WOULD YOU RATE YOUR COMPUTER LITERACY?      ( ) Beginner                      ( ) Intermediate                      ( ) Advanced

9. WOULD YOU ATTEND MORE MEETINGS IF THE TIMES OR DAYS WERE CHANGED TO:

( ) Sat 10-12am                      ( ) Sat 11:30-1:30pm                      ( ) Sat 1:30-3:30pm  
Or weeknights 7:30-9:30pm      ( ) Mon.                      ( ) Tues.                      ( ) Wed.                      ( ) Thur. Other \_\_\_\_\_

**Please fill out and mail today!**

**CLEVELAND AREA 99/4A USERS GROUPS**

**P.O. BOX 391101**

**SOLON, OHIO 44139**



ED.NOTE -In the February issue, Chuck Marinos' fine review of the "Super '99" magazine overlooked furnishing the address. Here it is: Byteaster Computer Services, 171 Mustang St., Sulphur, La. 70663

Many people suggested we include a listing of our officers. For your help, we'll include it in every issue, and update it as information is received from your groups.

Jon Lucas rushed the following memo to me tonight. As far as I'm concerned this is good news, and am planning to follow up on it. If anything interesting shows up, we'll get it in the letter. - Mark

**Ryte Data MEMBER HALIBURTON CHAMBER OF COMMERCE  
BOX 210 MOUNTAIN STREET  
HALIBURTON, ONTARIO K0M 1S0 CANADA (705) 457-2774**

31 JANUARY/85

Dear Users Group,

**IMPORTANT ANNOUNCEMENT FOR ALL TI 99/4A OWNERS!**

A NEW COMPUTER - based on the successor to the 99/4A: the "99/8", has been developed by one of the foremost TI support companies. Fully hardware and software compatible, this machine promises to revive the huge TI 99/4A world. This new computer goes beyond the unreleased 99/8 in several important ways.

The formal release is scheduled for the June 85 Consumer Electronics Show. Beta testing is slated to begin as soon as the printed circuit boards roll off the production line. Full scale production hinges upon the interest and response generated among TI users in North America. Being long term, die hard TI enthusiasts, we intend on supporting this new machine fully. As the company has not officially announced public availability and FINAL system features, we have been asked to not reveal certain information at this time. The new computer will be produced and marketed under a different company name as well. We are working on determining the level of interest. To be first and foremost, everyone is offered the first newsletter and initial users support for this machine (and the 99/4A) free of charge. Write us with a self-addressed large envelope - #10 or larger - and will send you the first copy free of charge. Pass this along to your friends and associates. We would appreciate postage costs - US stamps cannot be used from Canada.

You can be assured that your system will not become obsolete. We understand that existing TI equipment can be used with this new computer! It was only a matter of time before someone took advantage of the superb technology represented by the 99/4A.

We would also like addresses of TI users groups you may know of. Several groups have come to our attention that were not listed in our files. We are also seeking assembly language programmers who wish to provide programs for this true 16 bit - 10 megahertz computer. Code is fully compatible with the 9900 chip.

As per our last letter, we are interested in users group newsletters to provide a forum for information resources among all TI owners here and abroad.

Looking forward,

*Bruce Ryan*

Bruce Ryan

IT TIME DATED MATERIAL IT

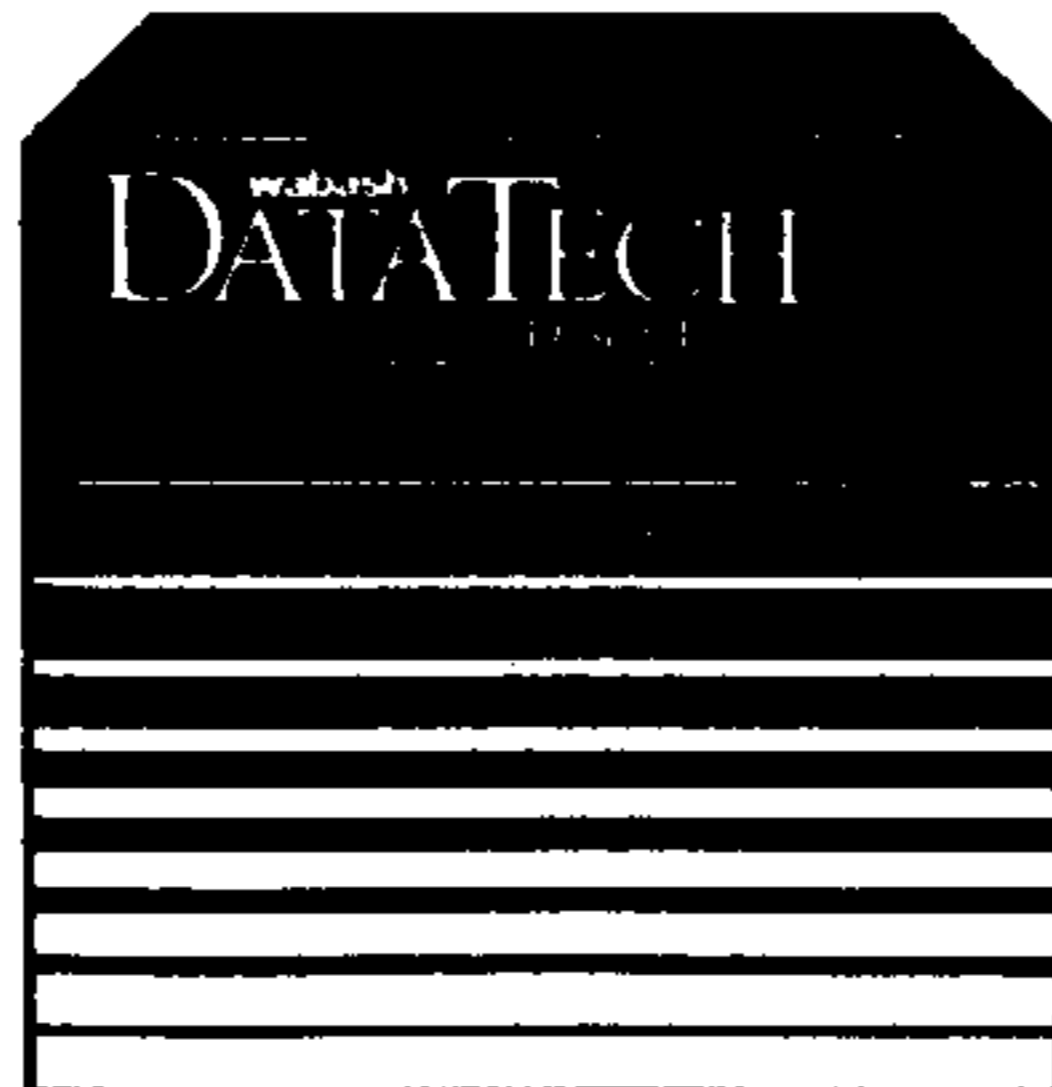
03/85

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