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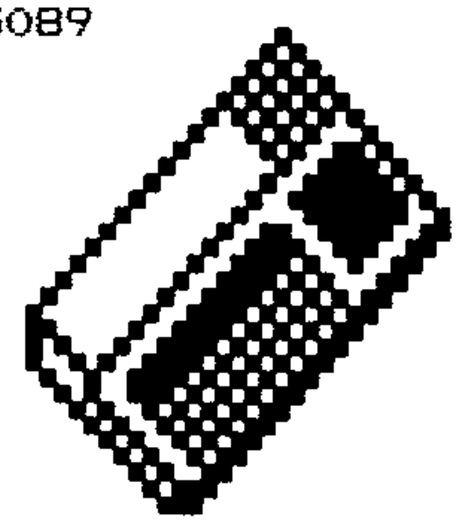
MAY 1983



HUG

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HOUSTON USERS GROUP

FIRST SUNDAY OF EVERY MONTH
2PM

PRESIDENT'S COMMENTS

FOR THOSE OF YOU WHO WERE NOT AT OUR LAST MEETING, YOU MISSED A REAL TREAT. JOHN YANTIS, ALLEN ACREE AND ED WIEST OF TEXAS INSTRUMENTS IN LUBBOCK PRESENTED AN EXTREMELY INTERESTING AND INFORMATIVE PROGRAM. I WON'T GO INTO DETAILS BUT IT COVERED EVERYTHING FROM TWELVE-CHANNEL QUADRAPHONIC SOUND TO DEMONSTRATIONS AND REVIEWS OF THE NEW 99/2 AND CC-40 COMPUTERS TO A VERY LIVELY HOUR AND A HALF QUESTION AND ANSWER SESSION. I WANT TO THANK THESE TI REPRESENTATIVES AGAIN FOR THE TIME AND INTEREST THEY HAVE GIVEN TO THE HOUSTON USERS' GROUP.

ANOTHER FINE FEATURE OF OUR LAST MEETING WAS A PRESENTATION BY CHARLES LA FARA AND BILL GRONOS OF THE INTERNATIONAL 99/4 USERS-GROUP IN BETHANY, OKLAHOMA. THEY GAVE A VERY INTERESTING PRESENTATION OF SOFTWARE AND HARDWARE FOR THE 99/4A. THANKS, CHARLIE AND BILL.

OUR NEXT MEETING WILL BEGIN A NEW APPROACH FOR THE HOUSTON USERS' GROUP. WE WILL BEGIN AN ONGOING SERIES OF SMALLER USER-INTEREST SESSIONS WITH THE GOAL OF TRYING TO PROVIDE MEMBERS WITH AS MUCH INFORMATION CONCERNING THEIR PARTICULAR INTERESTS AS WE POSSIBLY CAN. OUR INITIAL APPROACH WILL BE TO BASICALLY FORM NOVICE AND MORE ADVANCED GROUPS THAT CAN WORK ON THINGS OF INTEREST TO THE PEOPLE IN EACH GROUP. WE WILL CONTINUE TO EVALUATE AND REVISE THE GROUPS, AS NECESSARY, IN ORDER TO PROVIDE OUR MEMBERS WITH AS MUCH KNOWLEDGE AS POSSIBLE ABOUT THEIR TI COMPUTERS AND HOPEFULLY IMPROVE THEIR SKILLS IN USING AND ENJOYING THEIR SYSTEMS.

I HOPE TO SEE YOU AT THE NEXT MEETING AT 2:00 P.M. ON MAY 1. REMEMBER, OUR MEETING PLACE IS NOW IN THE BECHTEL CAFETERIA.

WAYNE WRIGHT

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It is with great sorrow that we must announce the passing of fellow member Luis Hernandez.

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From the Editor

This month the newsletter will be shorter than normal.

For all of you that that shed a tear when the Galleria store was closed in Janruary. We have a new oasis in the desert. In the Sharpstown Mall on the lower level next to Penney's you can find Computer Age. They have it all, and plenty of third party software.

In June the author of the recently published book "Programs for the TI Home Computer", Steve Davis will be our guest speaker. If he is half as good as his book, it promises to be a very informative meeting.

REVIEW OF APRIL MEETING

THE APRIL MEETING WAS REALLY AN EXCELLENT ONE. THERE WAS A LOT OF INFORMATION AVAILABLE FOR US TO ABSORB AND THE COMMENTS OF MANY WHO ATTENDED WERE VERY COMPLIMENTARY.

THE FIRST PART OF OUR PROGRAM WAS PRESENTED BY CHARLES LA FARA, PRESIDENT OF THE INTERNATIONAL 99/4 USERS-GROUP, AND ONE OF HIS ASSOCIATES, BILL GRONOS.

CHARLES DEMONSTRATED A NUMBER OF THIRD PARTY SOFTWARE PROGRAMS. AMONG THESE WERE GAME CARTRIDGES NAMED "RABBIT TRAIL", AND "HENHOUSE"; EDUCATIONAL PROGRAMS FROM DEVELOPMENTAL LEARNING MATERIALS TITLED "DEMOLATION DIVISION" AND "ALLIGATOR MIX"(ADDITION); A CONTROL DATA "PLATO" PROGRAM; AND TWO USER-DEVELOPED GAMES, "ANTHROPOD" AND "ASTIROIDS". BILL GRONOS DEMONSTRATED A NUMBER OF HARDWARE PROTOTYPES BEING CONSIDERED OR PREPARED FOR MARKETING TO TI-99/4A USERS. HE ALSO GAVE A VERY INTERESTING PRESENTATION OF USE OF THE MINI-MEMORY CARTRIDGE.

THE PROGRAM PRESENTED BY CHARLES AND BILL WAS AN INTERESTING ONE THAT BROUGHT ABOUT MANY COMMENTS AND QUESTIONS.

THE NEXT PART OF OUR PROGRAM CONSISTED OF A PRESENTATION BY THREE VERY KNOWLEDGABLE PEOPLE FROM THE CONSUMER PRODUCT DIVISION OF TEXAS INSTRUMENTS IN LUBBOCK, TEXAS. PARTICIPATING IN THIS PRESENTATION WERE JOHN YANTIS, MANAGER FOR ADVANCED DEVELOPMENT AND STRATEGIES; ALLEN ACREE, SYSTEMS SOFTWARE MANAGER FOR LANGUAGES; AND EDWARD WIEST, USER CROUP COORDINATOR.

THEIR PRESENTATION WAS BEGUN BY A VERY IMPRESSIVE DEMONSTRATION OF TWELVE-CHANNEL QUADRAPHONIC SOUND. THE THEME FOR "CHARIOTS OF FIRE" WAS "PLAYED" FROM A 99/4A, THROUGH AN AMPLIFIER TO FOUR SPEAKERS PLACED AT EACH CORNER OF THE ROOM. EACH SPEAKER RECEIVED THREE DISTINCT CHANNELS OF SOUND WHILE A SLIDE PROGRAM ABOUT TI WAS SHOWN. IT WAS A DRAMATIC DEMONSTRATION OF THE FLEXIBILITY AND POWER OF THE TI-99/4A. THE COMPUTER PROGRAM WAS PROGRAMMED IN "FORTH" AND INDICATED JUST WHAT WE CAN LOOK FORWARD TO WHEN THIS LANGUAGE IS MADE AVAILABLE IN THE NEAR FUTURE.

A DEMONSTRATION OF THE 99/2 WAS GIVEN USING A BENCHMARK TEST TO DEMONSTRATE ITS SPEED. ITS ABILITY TO COMPUTE A SHORT PROGRAM TO COUNT AND DISPLAY NUMBERS FROM 1 TO 1000 WAS ALSO A VERY SURPRISING AND INTERESTING THING. THIS NEW LOW-PRICED COMPUTER IS FAST, TO SAY THE LEAST. AS MANY OF YOU KNOW, THE 99/2 IS UPWARD COMPATIBLE WITH THE 99/4A.

THE NEW CC-40 COMPUTER WAS ALSO DEMONSTRATED AND SHOWN WITH THE COMPACT HEX BUS AND WAFER TAPE THAT WILL BE AVAILABLE FOR IT AND, WITH AN ADAPTER, FOR THE 99/4A. THIS NEW SYSTEM SHOULD BE A WINNER FOR THOSE WHO NEED PORTABILITY AND FLEXIBILITY.

A VERY INTERESTING QUESTION AND ANSWER SESSION WAS HELD. THE TI REPRESENTATIVES FIELDED MANY QUESTIONS ABOUT ALL PHASES OF TI HARDWARE, SOFTWARE, THEIR PHILOSOPHY OF SOFTWARE MARKETING AND PRACTICALLY ANY OTHER SUBJECT THAT COULD BE THOUGHT OF. MANY INTERESTING COMMENTS WERE MADE BY BOTH THE QUESTIONERS AND THE TI REPRESENTATIVES ANSWERING THE QUESTIONS. ALTOGETHER, THE TOTAL PROGRAM WAS VERY INTERESTING AND INFORMATIVE.

THE INTERNATIONAL 99/4 USERS-GROUP PRESENTED A NUMBER OF PROGRAMS TO OUR GROUP FOR INCLUSION IN OUR SOFTWARE LIBRARY. THE TI REPRESENTATIVES GAVE AWAY SEVERAL SOFTWARE PACKAGES TO WINNERS OF A DOORPRIZE DRAWING. WE WANT TO THANK THESE PEOPLE AND THEIR COMPANIES FOR MAKING THESE PACKAGES AVAILABLE TO OUR LIBRARY AND OUR MEMBERS.

WE HAD A VERY, VERY GOOD PROGRAM. THANKS TO THE PRESENTERS AND A FEW OF OUR HUG MEMBERS WHO WORKED HARD TO MAKE SURE EVERYTHING WORKED PROPERLY. THANKS TO EVERYONE INVOLVED AND ESPECIALLY TO THE PEOPLE FROM TI AND THE INTERNATIONAL USERS-GROUP FOR A JOB WELL DONE. ALSO THANKS TO THE GALLERIA VIDEO CONCEPTS STORE AND ITS MANAGER, JORGE CORDOVA, FOR THEIR HELP IN FURNISHING AND SETTING-UP THE TWO LARGE SCREEN TV'S. OVERALL, WE HAD A WELL ABOVE AVERAGE MEETING.

SOME PROGRAMS FROM OTHER GROUPS

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100 REM  THIS PROGRAM WILL PLAY AND PRINT THE
FREQUENCIES FOR 2 ADDITIONAL OCTAVES OF BASS NOTES ON
THE TI 99/4A.  USE THEM AS SHOWN IN LINE 160.
105 REM  BY JIM PETERSON  REPRINTED IN THE SYDNEY NEWS
DIGEST FROM TEXNET.
110 DEF R(X)=INT(X+.5)
120 F=1652
130 FOR J=1 TO 25
140 READ N$
150 PRINT N$;" =";R(F)
160 CALL SOUND(500,22000,30,22000,30,F,30,-4,0)
170 F=F/1.059463094
180 IF J<>12 THEN 200
190 RESTORE
200 NEXT J
210 DATA A,B flat,B,C,C#,D,E flat,E,F,F#,G,A flat,A
```

```
100 REM  THIS PROGRAM PLAYS TREMOLO NOTES.  CHANGE
VALUE IN LINE 150 TO 1.01 OR 1.03 FOR MORE OR LESS
TREMOLO.
105 REM  ST. JAMES INFIRMARY BLUES - JIM PETERSON
110 FOR J=1 TO 60 STEP 2
120 READ A,B
130 FOR L=1 TO A
140 CALL SOUND(-99,B,0)
150 CALL SOUND(-99,B*1.02,0)
160 NEXT L
170 NEXT J
180 DATA 2,330,2,294,4,330,4,294,4,330,4,294,4,262,8,  220
190 DATA 2,330,2,294,6,330,2,294,4,330,4,262,12,247
200 DATA 2,294,2,262,4,294,4,262,4,294,2,330,2,294,4,
    262,8,220
210 DATA 4,262,4,262,4,220,4,262,4,247,16,220
```

```
100 REM SINE-WAVE SPRITE    EXTENDED BASIC
110 REM  BY: BOB GAGLE
120 REM  COPYRIGHT 1983, CIN-DAY USER GROUP
150 CALL CLEAR
160 CALL MAGNIFY(2)
170 DIM A(30)
180 FOR B=1 TO 30
190 READ A(B)
200 NEXT B
210 DATA 0,-4,-8,-12,-16,-20,-24,-28,-24,-20,-16,-12,
    -8,-4<0,0,4,8,12,16,20,24,28,24,20,16,12,8,4,0
220 CALL SPRITE(#1,42,5,89,120)
230 CALL JOYST(1,C,D)
240 CALL KEY(1,F,G)
250 IF F=18 THEN 260 ELSE 230
260 CALL POSITION(#1,H,I)
270 FOR J=1 TO 30
280 IF I>239 THEN I=1
290 CALL LOCATE(#1,H+A(J),I+J)
300 NEXT J
310 GOTO 230
```

```
100 REM  TIHOME LIBRARY E301- REPRINTED FROM SYDNEY NEWS DIGEST
110 CALL CLEAR
120 PRINT ::"    ***ARITHMAGRAPHS***"::
140 PRINT "  DEVISED BY MIKE O'REGAN"
150 PRINT "ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ"::
160 PRINT " SYMBOLS REPRESENT NUMBERS!"
170 PRINT "   TRY TO FIGURE THEM OUT!":::
180 CALL CHAR(48,"00103810101010")
190 CALL CHAR(49,"00103828101028")
200 CALL CHAR(50,"AA55AA55AA55AA55")
210 CALL CHAR(51,"FF010204081020FF")
220 CALL CHAR(52,"F0F0F0F0F0F0F0F0")
230 CALL CHAR(53,"F0F0F0F00F0F0F0F")
240 CALL CHAR(54,"00010307 0F1F3F7F")
250 CALL CHAR(55,"80C0E0F0F8FCFEFF")
260 CALL CHAR(56,"003838003838")
270 CALL CHAR(57,"00383020081838")
280 RANDOMIZE
290 A=INT(RND*1000)+1
300 B=INT(RND*1000)+1
310 X=INT(RND*150)+1
320 C=A+B
330 E=A*B
340 F=B*X
350 G=E+F
360 H=B+X
370 A$=STR$(A)
380 E$=STR$(E)
390 LE=LEN(E$)
400 F$=STR$(F)
410 LF=LEN(F$)
420 G$=STR$(G)
430 LG=LEN(G$)
440 H$=STR$(H)
450 LH=LEN(H$)
460 LA=LEN(A$)
470 B$=STR$(B)
480 LB=LEN(B$)
490 I$=STR$(X)
500 LX=LEN(X$)
510 C$=STR$(C)
520 LCL=LEN(C$)
530 M$="+"
540 N$="="
550 O$="X"
560 PRINT TAB(1-LA);A;TAB(8);O$;TAB(14-LB);B;TAB(18);N$;TAB(26-LE);E
580 PRINT :TAB(3);"+";TAB(13);"+";TAB(24);"+"
600 PRINT :TAB(1-LB);B;TAB(8);O$;TAB(14-LX);X;TAB(18);N$;TAB(26-LF);F
620 PRINT :"-------------------------"
640 PRINT :TAB(1-LC);C;TAB(8);O$;TAB(14-LH);H;TAB(18);N$;TAB(26-LG);G
660 PRINT :"-------------------------"
675 PRINT :"USE FCTN 'CLEAR' FOR ANSWER,"
676 PRINT "THEN TYPE 'RUN' FOR NEXT."
680 GOTO 680
```

>>> THIS MEETING <<<

At this meeting we will have several workshops for the program. After a short business meeting we will split up into four groups as follows:

BASIC Programming - Greg King
Extended BASIC Hints - Tom Dasenbrock
LOGO - Jane McAshan
FORTH & Other Tech Hints - Paul Kent

The workshops will last about an hour and a half, PLEASE know ahead of time which one you are interested in so we don't waste time!

The Club will have a small number of consoles and TV's for use in the Workshops, but more are needed, so PLEASE CONSIDER BRINGING A CONSOLE AND/OR TV! If you have a friend, one bring a computer, the other the TV! The BASIC and Extended BASIC Workshops will need only consles and TV's, the LOGO will also need 32K RAM, and the FORTH group will use the Club's Expansion Box.

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Available Soon-The BASIC Handbook

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HUG MEMBERSHIP LIST

Date: 03/25/83

Legend:

A = Member H U G

B = Newsletter

C = Cassette

D = Disk

E = Memory Exp.

F = Rs232

G = Printer

H = Thermal Printr

I = Modem

J = Speech Synth.

K = Extended Basic

L = Assembler

Mr. & Mrs. Sanford Herman
6219 Sanford Road
Houston TX 77096