

OCTOBER 1986

MEETING SCHEDULE

AT THE NEXT MEETING

SUNDAY, OCTOBER 5, 1986 2:00 P.M.

St. John's School - 2401 Claremont

This month Mike Matula will demonstrate some new programs available from M&S Computer Systems. Larry Pipkin will also show off some of the new programs available from the HUG Library.

IN THIS ISSUE

TIPS FROM THE TIGERCUB HOW TO CREATE MUSIC FROM NOISE

HOME COMPUTER JOURNAL CLEANING THE GEMINI 10X&15X PRINTHEAD

WARNING LABELS FOR DISK MAILER LETTER FROM A TI-99 4A FANATIC

1986 HUG OFFICERS

President --- MARK CRUMP ... unlisted Section of the VP/Membership DON LEWIS ... 353-5295 Tre VP/Program -- DAVID SHOLMIRE 482-0186 Lit VP/S.I.G. --- ROGERS MILLS .. 930-0810 TIL Exec. Asst. - TOM JAY 850-0222 Edit

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THE MUSIC CORNER by Jeff Gatlin (Excerpted from June 1986 NEWS NET 99er)

One of the things I have always thought was missing from the 4A's music capability was the low range. The 4A gives us an almost infinite upper range, as far as we can hear, but its lower range stops at the frequency of 110. After listening to dozens of music programs, I noticed that some of them seemed to defy reason and belt out base notes below what I call low "A" (the lowest note played by the 4A without magic). Curiosity and a greedy desire to hold this magic secret led me to examine these programs. I found that to create these magic tones, one must make use of a mysterious fourth voice which our beloved Extended BASIC manual describes as "noise". The "noise" is created by using a negative value between 1 and 8 in place of a note's frequency.

10 CALL SOUND(1000,-4,0)

This statement creates a mildly interesting noise if you have never heard it before. After hearing it once, no secrets were revealed. So what is the secret? Once again, our Extended BASIC manual sheds light upon us. It says. "-4 Periodic Noise that varies with the frequency of the third tone specified". Ah ha! The secret is revealed! To create magic bass notes, one must use ALL THREE voices PLUS a -4 noise.

10 CALL SOUND(1000, 330, 0, 392, 0, 523, 0, -4, 0)

Voila! But wait, something is amiss. The bass note created does not match the three voice chord. Experimentation revealed that if you use the note C (523) in the third voice the bass note played is C# (C sharp). Why? It doesn't really matter, at least to me. Below is a chart I made up of the frequencies to use in the third voice, to create the desired base note.

PLENTY LOW:	REALLY LOW:
1661A (same as A110)	831A (one octave below 110
1568G#, Ab	7846#, Ab
14806	7406
1397F#, 6b	698F#,6b
1319F	659F
1245E	622E
1175D#,Eb	587D#,Eb
1109D	554D
1047C#,Db	523C#,Db
988C	494C
932B	466B
880A#,Bb	440A#, Bb
831A (1 octave	415A (2 octaves
below A110)	below A110)

The bad news is that this doesn't give you full control of four voices, although if you're tricky enough, you can make use of four note chords. The reason is that the third tone and the noise work together as one tone. In almost every example I have come across, the third tone has a volume of 30, which makes it almost inaudible.

However, this does not affect the volume of the bass note. It's volume is controlled by the value after -4.

With this basic information, you should be able to experiment using bass notes on your own. I hope it is helpful. If anyone has any questions about bass notes or any other aspect of music on the 4A, feel free to ask, call or write. The least I can do is offer comfort that you're not the only one who can't figure it out.

(ED. To hear a sample of this interesting capability of the 99/4A, order # 5242 SHADED VELVET by Jeff Gatlin from the HUS library). The thing to remember is that there will always be an interval of 3 octaves and a major seventh between the base note and the third voice.

"HOME COMPUTER JOURNAL"

Following this column is a download of a letter signed by "Patana Ratanapreux" disclaiming any responsibility for actions by Emerald Valley Publishing (Gary Kaplan, Editor). Be advised that she is MRS. Gary Kaplan. In our last issue was a letter from Guy Romano with a address to write in Eugene regarding this fraud. PLEASE SHARE THIS WITH YOUR MEMBERS AND ACT ON IT.

THE LETTER

The following is a letter received from Home Computer Journal on July 26, 1986. The content speaks for itself.

Home Computer Journal P.O. Box 70248 Eugene, OR 97401 July 14, 1986

Mr Jeff Guide P.O. Box 6728 Alexandria, VA 22306

Dear Mr. Guide:

Under the terms of agreement between Home Computing Journal (HJC) and Emerald Valley Publishing Co. dba Home Computer Magazine (HCM) we have no responsibility for HCM refunds. If, however, you are dissatisfied with our publication (HCJ), we refer you to Emerald Valley Publishing Co. at the following address:

EMERALD VALLEY PUBLISHING

P.O. Box 70288 Eugene, OR 97401

Unless we hear differently from you, we are dropping you from our subcriber rolls. We are sorry you feel this way.

Sincerely,
/signed/
Patana Ratanapreux
Customer Relations

This letter was a photocopy with my name and date added by typewriter.

I find this letter to be VERY interesting. For one, HCJ and Emerald Valley agreed not to issue refunds. BUT, if you don't like HCJ, write a letter to Emerald Valley. Then they have the NERVE to tell me they are dropping me from their rolls and I'm sorry I feel this way??!!!

The Postal Service should like this one, I hope.

Has anyone else received a copy of this letter or any other from them?

I suggest that those who received HCJ write to them if you are not satisfied and return the Disks.

I am still open to a full-scale boycott of HCJ. Any takers? Anyone want to put something in their User Group Newsletters? Use my name, mention what we are doing and maybe some action will result when HCJ gets no orders and many returned disks and complaints.

Jeff Guide

(Reprinted from TopIcs, LA 99ers Computer Group Newsletter, Vol.5 No.9 September 1986).

Cleaning the head on your printer may save buying a 120 ! \$ DON'T LABELS new one prematurely. The first sign of the ink clogging 130 ! \$ BY: RON RUTLEDGE the striking pins is the commas will lose their tails. 140 ! \$ CENTRAL IOWA UG They look like a period.

The only tools you will need are a Phillips screw driver, a small brush, and some typewriter key cleaning fluid. You can use rubbing alcohol or lighter fluid (Naptha) which works just as well. These are FLAMMABLE so avoid any fire.

Turn the printer off, then remove the ink ribbon. Push the head (gently) all the way to the left in the park position.

Remove the head cable by grasping the cable and the heavy piece of plastic under the cable, near the connector, pulling gently, and moving back and forth while holding the connecting head. After you disconnect the cable remove the two phillips screws holding the head. With a back and forth moting gently pull the head straight up. Use the brush to clean the outside of the head. Don't probe into the head with the brush.

To clean, hold the head with the strike pins facing down and the bottom side of the head facing you. (You can see the pin shafts in that position.) Hold the head cable in the palm of the same hand to keep it out of the way. Now hold the head in that position and take a cotton ball or 9-tip, dip it in the cleaner and squeeze the fluid into the lower hole where you see the pin shafts. Don't turn the head over or the fluid will run into the solenoids. Keep putting cleaner in until it comes out fairly clean. Use a soft, clean cloth to occasionally wipe off the excess fluid.

Just reverse the procedure for putting the head back. Replacing the head cable is a little tricky but doned force it be Itwellscooksn excell whentight bhaveon't overdo it as you might strip the threads. If you should happen to get cleaning fluid in the solenoids (head) be sure it is thoroughly dry before you start the printer as the head runs hot.

By the way, if you ever take the ink ribbon off to turn it over, and you can't remeber which half the head hits, it is the top half of the ribbon. It usually doesn't do much good to turn the ribbon over as the ink is absorbed to the side you are using as it dries out.

(Reprinted from the Kansas City Area TI-99/4A Computer User's Group Vol 5, Issue 1, January 1986)

Here is a program to make labels for a disk mailer. It's a fancy label that warns against the hazards for the disk in the mailer. I find it a good addition to my programs.

100 ! ************ 110 ! # 130 ! * BY: RON RUTLEDGE * 140 ! * CENTRAL IOWA U6 * 150 ! # 160 ! ************* 170 ! 180 ESC\$=CHR\$(27)!ESCAPE CODE 190 EMP\$=ESC\$&*E* !EMPHASIZED PRINT 200 NOR\$=ESC\$&"W"&CHR\$(0)!NORMAL PRINT 210 ENL\$=ESC\$&"W"&CHR\$(1)!ENLARGED PRINT 220 UON\$=ESC\$&"-"&CHR\$(1)!TURN UNDERLINE ON 230 UOF\$=ESC\$&"-"&CHR\$(0)!TURN UNDERLINE OFF 240 OPEN #1: "PIO" 250 PRINT #1: EMP\$&ENL\$&ON\$&*DO NOT BEND* 260 PRINT #1:NOR\$&" FLOPPY DISK ENCLOSED" 270 PRINT #1:ENL\$&UOF\$&*DO NOT XRAY* 280 PRINT #1: : : : 290 CALL KEY(0,R,S)! ARE YOU PRESSING A KEY? 300 IF S=0 THEN 250! IF NOT, THEN PRINT ANOTHER 310 CLOSE #1 320 END (Reprinted from Kansas City TI-99/4A Users Group, Vol. 5, No.7 July 1986)

Harry Allston 10300 Kings River Road #57 Reedley, CA 93654

July 15, 1986

HOUSTON USERS GROUP C/O PHILIP POXON 9122 HAMMERLY HOUSTON, TX 77080

Dear fellow T.I. Users:

I live in a small town, Reedley, CA and there is very little interest associated with the TI home computer. On the other side of the coin, I am, according to my wife and friends a 'FANATIC'!

I live and breathe the computer, yet aside from a User Group 45 miles down the road, which isn't too active there are very few if I can relate to.

That is the reason for my letter. I would like to correspond with and exchange ideas and programs with anyone that has the time and interest.

I am retired, 60 years of age, on limited income and have more time on my hands than brains. I like the business aspect of the TI and although I have many games on file, they are not 'my thing'.

I think it would be great to exchange programs, ideas and general fellowship with persons from different walks of life and different parts of the country.

My equipment consists of:...Console, PEB, 32K memory, Disk and controller card, Cassette and a GP-550TI printer. Many books, TI-Writer, Multiplan, Editor/Assembler and a library of over 200 programs, plus numerous modules.

If there is any one in your group that is interested, I would appreciate hearing from them, male or female. I will do my utmost to answer all letters.

There is no intent of financial return, just fellowship.

Best wishes

Harry Allston

TIPS FROM THE TIGERCUB

#32

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Distributed by Tigercub to TI-99/4A Users Software promotional **Groups** purposes and in exchange for their newsletters. May be by non-profit reprinted users groups, with credit to Tigercub Software.

Over 139 original programs in Basic and Extended Basic, available on casette or disk, only \$3.85 each plus \$1.55 per order for PPH. Entertainment, education, programmer's utilities. Descriptive catalog \$1.99, deductable from your first order.

Tips from The Tigercub, a disk containing the complete contents of this newsletter Nos. 1 through 14, 55 original programs and files, just \$15 postpaid.

Tips from the Tigercub Vol. 2, another diskfull, complete contents of Nos. 15 through 24, over 65 files and programs, also just \$15 postpaid. Or, both for \$27 postpaid.

Nuts & Bolts (No. 1), a full disk of 189 Extended Basic utility subprograms in merge format, ready to merge into your own programs. Plus the Tigercub Menuloader, a tutorial on using subprograms, 2): #?" :: ACCEPT AT(X+5,15 and 5 pages of documentation with an example of the use of each subprogram. All for just \$19.95 postpaid.

Nuts & Bolts No. 2, another full disk of 198 utility subprograms in merge format, all new and fully compatible with the last, and with 19 pages of documentation and Also \$19.95 examples.

postpaid, or both Nuts Bolts disks for \$37 postpaid. Tigercub Full Disk Collections, just \$12 postpaid! these contains either 5 or 6 of my regular \$3 catalog programs, and the remaining disk space has been filled with some of the best public domain programs of the same category. I am NOT selling public domain programs - my own programs on these disks are greatly discounted from their usual price, and the public domain is a FREE bonus! TIGERCUB'S BEST PROGRAMMING TUTOR PROGRAMMER'S UTILITIES BRAIN GAMES BRAIN TEASERS BRAIN BUSTERS! MANEUVERING SAMES ACTION GAMES REFLEX AND CONCENTRATION TWO-PLAYER GAMES KID'S GAMES MORE SAMES WORD SAMES ELEMENTARY MATH MIDDLE/HIGH SCHOOL MATH VOCABULARY AND READING HUSICAL EDUCATION KALEIDOSCOPES AND DISPLAYS For descriptions of these send a dollar for my catalog!

I've found a bug in the Tigercub Menuloader V.45 disk catalog if the disk contains the maximum 127 files. This should fix it. 348 I=I+1 :: IF 1>127 THEN K =X :: 60TO 43\$ 529 DISPLAY AT (X+5, 12) SIZE (1) SIZE (3) VALIDATE (DISIT) : KD: : IF KD(1 OR KD)NN THEN 529

I think that all program listings should be printed in 28-column format, exactly as they appear on the screen - it makes it so much easier to key them in without errors. I combined parts of two of my programs to make

the following. It is written for the Gemini 15% but the of printer control codes are annotated to help others make adjustments. 155 DIM K\$ (245):: LN=155 :: DISPLAY AT (3,4) ERASE ALL: "TI SERCUB PROGLISTER": : Will convert a program": "listing to 28-column format." 115 DISPLAY AT(7,1): exactly as it appears on the":"scre en, and print it in 4":"colu 128 DISPLAY AT(11,1): Progr as sust be RESequenced": "and LISTed to disk by": "RES (en ter)":"LIST DSK1.(filename) (Enter)" 135 DISPLAY AT(18,1): Filena me? DSK" :: ACCEPT AT(18,14) BEEP: F\$ 144 OPEN #1: DSK"&F*, DISPLAY , VARIABLE 84, INPUT 15# IF EOF(1)=1 THEN 26# 11 LINPUT #1:A\$ 165 IF LEN(AS)(BS THEN LN=LN +15 :: 60TO 215 178 LIMPUT #1:B\$:: IF POS(B \$, STR\$ (LN), 1)=1 THEN FLAG=1 :: LN=LN+18 :: 60T0 219 18\$ A\$=A\$&B\$:: IF LEN(A\$)<1 69 THEN LN=LN+18 :: 60TO 215 196 LINPUT #1:B\$:: IF POS(B \$, STR\$ (LN), 1)=1 THEN FLAG=1 :: LN=LN+15 :: 50T0 215 255 AS=AS&BS :: LN=LN+15 219 8=1 229 L\$=SE5\$ (A\$, S, 28) 23\$ IF L\$<>"" THEN 24\$:: IF FLAG=1 THEN FLAG=8 :: A4=B\$ which won't let you print a :: 6070 165 :: ELSE 6070 15 248 X=X+1 :: K\$(X)=L\$:: S=S +28 11 IF X=248 THEN 255 11 60TO 22\$ 258 X=5 :: CALL PRINTER(K\$()):: 60TO 22\$ 268 CLOSE #1 :: FOR J=X+1 TO 248 1: K\$(J)="" 1: NEXT J : : CALL PRINTER(K\$()):: PRINT #2: CHR\$ (12):: END 278 SUB PRINTER(B\$()):: IF F =1 THEN 345 :: F=1 28# OPEN #2: "PIO.LF", VARIABL E 132 11 PRINT #2:CHR\$(15);C

HR\$ (27); "N"; CHR\$ (6); !condens

ed print and perforation ski

295 PRINT #2:CHR\$(27):"6":

- double-struck printing, op tional 389 PRINT #2:CHR\$(27);CHR\$(4 2); CHR\$(5); !download normal characters - required if lin es 319-339 are used 319 PRINT #2: CHR\$(27); CHR\$(4 2); CHR\$(1); CHR\$(48); CHR\$(5); CHR\$ (64); CHR\$ (38); CHR\$ (96); C HR\$(17); CHR\$(72); CHR\$(5); CHR \$(66); CHR\$(61); CHR\$(5); !slas h the zero - optional 325 PRINT #2: CHR\$(27); CHR\$(4 2); CHR\$(1); CHR\$(42); CHR\$(5); CHR\$ (8); CHR\$ (34); CHR\$ (8); CHR \$(5); CHR\$(62); CHR\$(5); CHR\$(8); CHR\$ (34); CHR\$ (8); broaden the asterisk - optional 338 PRINT #2:CHR\$(27);CHR\$(3 6); CHR\$(1); !activate redefin ed characters - required if lines 319-329 are used 345 FOR C=1 TO 65 :: IF B\$(C)="" THEN 368 :: PRINT #2:TA B(15);B\$(C);TAB(41);B\$(C+65) ; TAB (72); B\$ (C+128); TAB (153); B\$(C+185);CHR\$(15) 359 NEXT C 369 SUBEND

I had trouble in debugging that program because printing the control codes gave as unwanted line feeds, and using semicolons to prevent line feeds will interfere with tabs in the first line of text. An article by Art Byers in the Central Westchester U6 newsletter gave me the solution - suppress all the line feeds by opening the printer with PIO.LF, and put them back in where you need them with CHR\$(15)!

We haven't had a random pusic player in a long time. This one is called ECHO but I don't know where it came from. 199 RANDONIZE :: DEF X=INT(R ND=7):: FOR B=5 TO 6 :: A(B) =VAL (8E6\$ ("24726229433\$34939 2448", (B+1)=3-2,3)):: NEXT B :: B, C, D=X 119 CALL SOUND (-988, A(B), 8, A (C),9,A(D),19):: D=C :: C=B 11 B=X 11 60TO 116

Sound effects - thanks to Greg Healy in the Edeonton User Group newsletter -188 CALL INIT 119 FOR J=2999 TO 2399 STEP 1# :: CALL LOAD (-31568, J):: NEXT J

To go directly from XBasic to console Basic - thanks to Greg Healy in the Edmonton User Group newsletter -CALL INIT :: CALL LOAD (-3196 2,8787) Enter. Ignore the error > TI BASIC READY

file of 28-character records and scroll them up the lower half of the screen without disturbing the upper half. 199 DISPLAY AT(12,1) ERASE AL L: "FILENAME? DSK" :: ACCEPT AT(12,14) BEEP: F\$:: CALL CLE AR 111 OPEN #1: DSK"&F#, INPUT 112 DIM M\$ (485) 113 X=X+1 :: LIMPUT \$1:H\$(X) 129 DISPLAY AT (24, 1): MS (X) 125 R=24 139 FOR T=X-1 TO 1 STEP -1 : : IF R>13 THEN R=R-1 :: DISP LAY AT(R, 1): MS(T) 145 NEXT T :: IF EOF(1)()1 T HEN 113 ELSE CLOSE #1

19 ! ONE-LINE MORTGAGE PAYMEN T CALCULATOR BY SAM MORABITO 199 CALL CLEAR :: INPUT "ENT ER P,R,N WHERE P=AMOUNT, R=R ATE, N=YEARS":P,R,N :: PRINT "\$"; INT((P=R/1255)/(1-1/(1+ R/1288)^(N=12))=188+.5)/1881 "PER MONTH"

with a blank space before error rate far exceeds is % and after it (except that a because any frequency you negative number is preceded call for from 31953 to 43733 by -). This is not always ends up as exactly 37287! desirable when formatting a Not to worry, the frequenscreen or printout. The cies in the normal range solution is to change the of music are accurate enough number to a string by using and your TV speaker probab-STR\$ -188 CALL CLEAR 118 PRINT " MULTIPLICATION

TABLES": 1

129 FOR J=1 TO 9 138 FOR K=1 TO 9 149 PRINT TAB(K=3-2); STR\$(J= **K**); 159 NEXT K 16# PRINT : : 178 NEXT J

Regarding the CHECKER program in Tips #31, I the two programs to be compared must first be LISTed to one disk by -LIST "DSK1. (filename) name for each.

This routine will read a We are still finding new ways to skin the kitty. In Tips #26 I listed three algorithms to alternate between the two joysticks. which is the simplest and fastest of all -188 Z=2 119 Z=3-Z :: CALL JOYST(Z,X, Y)....and back to 119!

Here are some more dark secrets Texas Instruments didn't tell us. The User's :"programmed by Jim Peterso 491 FOR V=\$ TO 25 Reference Guide claims that n° the computer can produce frequencies up to 44733 Hz, "well above human hearing limits", but then admits "the actual frequency produced may vary from \$ to 15 percent depending on the frequency." According to Jia Hindley, the highest frequency actually produced is 37287 (which is certainly not above the hearing range of some humans, but neither A number always prints out is 44733!), and the maximum ly can't reproduce frequencies above 25555 anyway.

And did you know that TI really gave us only 15 vol- 315 NEXT R

umes, not 39? Listen and count them -188 FOR V=8 TO 29 STEP 2 118 CALL SOUND (1555, 555, V) 129 CALL SOUND (1988, 588, V+1 138 FOR D=1 TO 588 148 NEXT D 158 NEXT V

should have mentioned that And the duration values are just as inaccurate. Experimenting with a series of 8 CALL SOUNDs in a loop repeated 199 times, I found seconds for any duration ,5,5,2,6,3,4,7,5,2,5,3 negative duration; 54 seconds for any duration between 59 and 66; 67 8,2,9,7,4,8,6,2,6,3,3,3,3 seconds between 67 and 83; Rick Humburg sent me another 99; 94 between 188-116; 186 between 117-133...!

> ing those who don't have the Extended Basic module, so -199 CALL SCREEN(16) 119 CALL CLEAR 128 PRINT TAB(8); "GREENSLEEV E8°1 1 1 1 1 1 1 1 1 1 1 1 138 DIM 8(15) 14# FOR N=1 TO 12 158 READ S(N) 168 NEXT N 178 H\$="421888995ABDC324E7DB A5186699182488425A88DBC35A66 A5243C7E81994298A57E66BD3CA5 423C187E423CBD5A81\$\$99FFC3* 188 RANDOMIZE 19# FOR R=1 TO 12 299 CALL COLOR(R+1,1,1) 219 CALL CHAR (32+R=8, CH\$&CH\$ 229 FOR T=R TO 25-R 239 CALL HCHAR (T, R, 32+R=8, 34 -2=R) 248 NEXT T 258 NEXT R 269 CALL SCREEN(2) 278 FOR R=1 TO 12 288 CALL COLOR(R+1,R+2,1) 298 CH\$=8E6\$ (H\$, INT (47#RND+1) 2-1,8)

399 CALL CHAR (32+R=8, CH\$&CH\$

328 DATA 247,277,294,311,338 , 371, 392, 441, 494, 523, 554, 587 338 DATA 2,5,5,4,7,5,2,8,5,3 ,9,5,1,18,1,2,9,3,4,8,3,2,6, 3, 3, 3, 1, 1, 5, 3 348 DATA 2,6,1,4,7,5,3,5,2,1 ,4,2,2,5,2,4,6,1,2,4,4,4,1,1 358 DATA 2,5,1,4,7,5,2,8,5,3 ,9,5,1,19,5,2,9,5 36\$ DATA 4,8,3,2,6,3,3,3,1 ,5,3,2,6,3,3,7,5,1,6,2,2,5,1 378 DATA 3,4,1,1,2,2,2,4,1,4 ,5,1,2,1,5,6,5,1 388 DATA 2,12,9,2,12,7,2,12, 3, 3, 12, 12, 1, 11, 9, 2, 9, 7 message. Type NEW and Enter. - using a different file- that execution time was 49 398 DATA 4,8,6,2,6,3,3,3,3,1 between 1 and 49, or a 488 DATA 3,5,5,1,4,4,2,5,5,4 ,6,1,2,4,1,6,1,1 415 DATA 6,12,9,3,9,12,1,11, 428 DATA 1,5,3,2,6,2,3,7,5,1 89 seconds between 84 and ,6,6,2,5,5,3,4,1,1,2,2,2,4,4 ,6,5,1,1,1,5,7,5,1 439 FOR J=1 TO 223 STEP 3 I guess I've been neglect-445 READ T, A, B 459 60SUB 539 469 FOR TT=1 TO T 479 CALL SOUND (-999,8(A),9,8 (B),7)489 NEXT TT 498 NEXT J 492 CALL SOUND (-999, 8(A), V, 8 (B), V+7493 NEXT V 599 CALL SCREEN(INT(14=RND+2 518 RESTORE 338 525 60TO 275 539 CALL COLOR(A+1, INT(14=RN D+2),1) 549 CALL COLOR (B+1, INT (14=RN

> 1 !from 9 T 9 U6 newsl. Aug 85 155 PRINT """Hello"" said TI 118 PRINT "Press ""ENTER"" t o continue*

D+2),1)

558 RETURN

If you bite the hand that feeds you, you'll go hungry tomorrow. Don't be a pirate!

MEMORY FULL TO BUSTIN'

Jim Peterson

HUG LIBRARY CATALOG ADDENDUM September 1986

0199 PUZZLES 2

Another puzzle file to be used with Program #0195(Wheel of Fortune). To use, change lines 257 and 1570 of Program #0195. 26 sectors

1095 RLE-BUGS BUNNY \$ DF/128 Printer rqd.

A cute picture of Bugs Bunny that can be printed out using Program #1078.

41 sectors

1096 RLE-3 STOOSES##DF/80 Printer rqd.

A nice picture of The 3 Stooges that can be printed out using Program #1078. 17 sectors

1097 RLE-BAKER**DF/128 Printer rqd.

An excellent picture of actress Carrol Baker that can be printed out using Program #1078. 28 sectors

1098 RLE-CAVEGIRL**DF/80 Printer rqd.

A nice printout of an old-fashioned cave girl that can be printed out using Program #1078. 19 sectors

1099 RLE-CUTTER JON**DV/128 Printer rqd.

A printout of an old man rolling down a hill that can be printed out using Program #1078. 23 sectors

1100 RLE-DAWN**DF/128 Printer rqd.

A printout of Dawn Gordon from CE Forum that can be printed out using Program #1078. 22 sectors

1101 RLE-EAGLE**DV/128 Printer rqd.

A good picture of an eagle on the U.S. Mail 2 pound package that can be printed out using Frogram #1078. 39 sectors

1102 RLE-U.S.S. ENTERPRISE # DF/128 Printer rqd.

A very good graphic drawing of the U.S.S. Enterprise that can be printed cut using Program #1078. 14 sectors

1103 RLE-FBI MOST WANTED ##DF/80 Printer rqd.

A poster of the FBI's Most Wanted List that can be printed out using Program #1078. 43 sectors

1104 RLE-FLAGSHIP**DF/128 Printer rqd.

A nice picture of a spaceship that can be printed out using Program #1078.

26 sectors

1105 RLE-HENRY K##DF/128 Printer rqd.

A good picture of Henry Kissinger that can be printed out using Program #1078. 18 sectors

1106 RLE-MADONNA**DF/128 Printer rqd.

Nice picture of rock star Madonna that can be printed out using Program #1078. 32 sectors

1107 RLE-UZI##DF/128 Printer rqd.

An excellent picture of an UZI machine gun that can be printed cut using Program #1078. 11 sectors

1108 RLE-HOWDY DOODY ##DF/128 Printer rqd.

A cute printout of Howdy Doody that can be printed out using Program #1078. 108 sectors

1109 RLE-INDIAN**DF/128 Printer rqd.

A picture of an Indian in headdress that can be printed out using Program #1078. 67 sectors

1110 RLE-N.A.S.A. ##DF128 Printer rqd.

A logo arm patch of the N.A.S.A symbol that can be printed out using Program #1075. Il sectors

1111 RLE-RUINS##DF/128 Printer rqd.

A nice picture of Greek ruins that can be printed out using Program \$1078. 16 sectors

1112 RLE-SCROOGE##DF/128 Printer rqd.

An excellent picture of Ebenezer Scrooge that can be printed out using Program #1078. 39 sectors

1113 RLE-MR. SPOCK##DF/128 Printer rqd.

A nice printout of Mr. Spock from Star Trek that can be printed out using Program #1078. 52 sectors

1114 RLE-STAR WARS##DV/128 Printer rqd.

A nice picture of the group from Star Wars that can be printed out using Program #1078. 43 sectors

1115 RLE-TIGER##DF/128 Printer rqd.

A nice printout of a tiger that can be printed out using Program #1078.

35 sectors

1116 RLE-TWO-ARM##DV/128 Printer rqd.

A very good picture of a space probe that can be printed out using Program #1078. 38 sectors

1117 RLE-LINDA##DV/128 Printer rqd.

A good freehand drawing of a young girl that can be printed out using Program #1078. 15 sectors

1118 RLE-STALLONE**DV/80 Printer rqd.

A picture of "Sly" Stallone that can be printed out using Program #1078.

34 sectors

1119 RLE-CLOWNS##DF/128 Printer rqd.

A cute picture of circus clowns that can be printed out using Program #1078.

43 sectors

1120 RLE-D J PIC##DF/128 Printer rqd.

A cute picture of Bloom County's whiz computer kid O.J. that can be printed out using Program #1078. 21 sectors

3051 MATH DRILL**XB Frinter recommended

A program by Mike Connelly that drills you in all types of math. Comes with complete docs. 48 sectors

3052 GREEK THEOMATICS * * XB

A "Freeware" program by Joe Bauman that demonstrates Greek Theomatics. Comes with sample program. 56 sectors

3053 FRACTAL EXPLORER**E/A 3

A "Freeware" program by Steve Langouth that allows you to plot out and create fractal images on the screen. Based on the geometric principle of Euclid. Comes with complete documentation. Program name is START.

155 sectors

4191 FORTHFONT \$\$EA/3

A "Freeware" program written in FORTH by Howard Arnold. This program will print out mailing labels and disk mailers.

Lets you design your own graphic letters.

REQUIRES DEDICATED DISK 360 sectors

4192 CAR/CHART##DV/80 Printer required

A TI-Writer file that will print out a vehicle maintenance chart. Load in Editor of TI-Writer for instructions.

Requires graphic printer such as Gemini 10% or Epson FT. Written by Bill Knecht.

19 sectors

4193 VOLKSMODEM DIALER Requires Fast Tera program

A Fast Term auto dialer that can be used with Volksmodem. 14 sectors

4194 DM-1000 FOR BRANKRACKER

This program will allow you to use BramKracker to run DM-1000. 58 sectors

4195 TRACK HACK-TI###B

An Extended Basic disk copier made to be used with the TI disk controller. 24 sectors

4196 TRACK HACK-CC##XB

An Extended Basic disk copier made to be used with the Corcomp disk controller. 25 sectors

4197 S CART##E/A 3

A loader that can be used with Super Cart or GramKracker. To use, load in E/A3 then QUIT and there is the menu. To edit, select 9 for page 2 and then Function 8. 45 sectors

4198 SECTOR TRANSFER**E/A 3

A sector transfer program by Nick Iacovelli, Jr. that will transfer FORTH programs. 27 sectors

4199 SUPERCOPY##E/A 5

Super disk duplicator Version 4.1 by Tom Knight. 18 sectors

4200 DV 80 ONLY**XB

An Extended Basic program that allows you to quickly read DV/80 files.

4 sectors

4201 CREATIVE FILING SYSTEM##XB Printer recommended

A "Freeware" program by Mark Beck that will allow you to create files for a database system. Has many new features not included on older database programs including accessing of Foundation 128K card as well as accessing double sided double density disks. It will also make use of up to 3 disk drives.

554 sectors

4202 PTERM-99 (TIBBS & PC PURSUIT COMPATIBLE) ** XB

A new PTERM-99 with X-modem. This version will work on Hug Tibbs and with PC-fursuit. It also has an 110 sector text buffer. 182 sectors

4203 PRINTER/PACK**XB Frinter rqd.

An XB loaded disk that will give you many programs in one. Has features such as disk title labels, catalogers, letterhead, billing statement and more.

234 sectors

5242 SHADED VELVET**XB

"Shaded Velvet" by Jeff Gatlin. This is an excellent demonstration of the TI's ability to play 4 voices instead of 3. 16 sectors

5243 DANCE DE SME WINDUP TOYSENB

A excellent version of Chuck Mangione's "Dance of the Windup Toy" written by Jeff Gatlin. 106 sectors

5244 AXEL FOLEY'S THEME ** XB

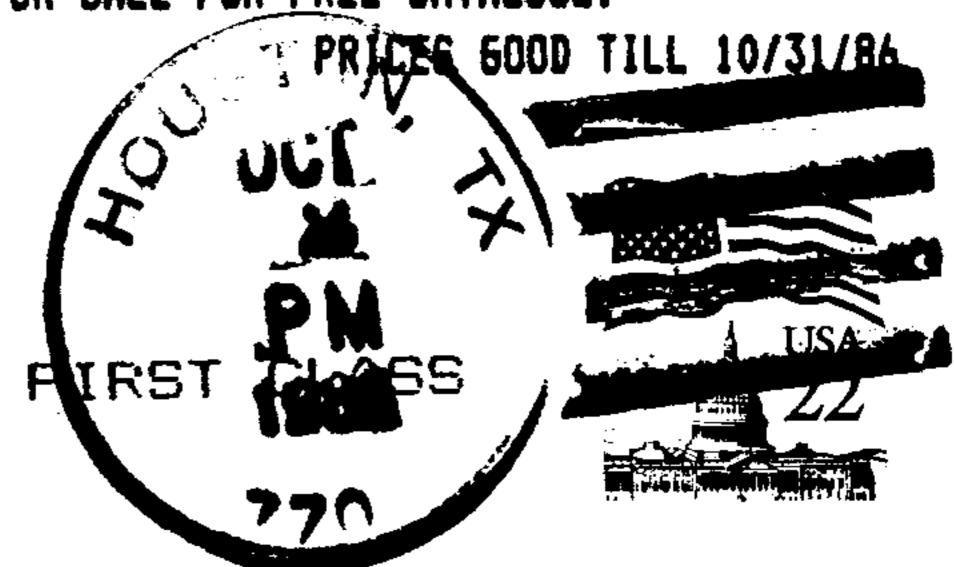
Fantastic musical sound by Robert J. Gagle in his version of Axel Foley's Theme from the movie "Beverly Hills Cop". 58 sectors

M & S COMPUTER SYSTEMS 15918 CAVENDISH DRIVE HOUSTON, TEXAS 77059 (713) 486-0224

AUGUST/SEPTEMBER/OCTOBER 1986 SPECIALS

CLOSE OUT STAR SG-10 DOT MATRIX PRINTER, 120 CPS DRAFT, 30 CPS NLO PRINT, F/T FEED, 2K BUFFER(1 LEFT)
CORCOMP 256K MEMORY EXPANSION CARD(WITH A/C ADAPTER MEMORY RETENTION)
TANDON TH65-2L DSDD 5-1/4" DISK DRIVE, 1/2 HIGH, 1/2 POWER OF FULL SIZE DRIVE
NAVARONE CARTRIDGE EXPANDER, HOLDS THREE CARTRIDGES WITH RESET BUTTON
TI-99/4A REPLACEMENT KEYBOARDS, GREY(LIKE THOSE ON BEIGE CONSOLE)
NEW! 4A FLYER FLIGHT SIMULATOR (BY JOHN PHILLIPS), MODULE, REQUIRES ONLY A CONSOLE)
BONUS DISKETTES, 10/BOX, SSDD>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
NEW! SAFEKEEPER 20 DISK STORAGE SYSTEM, HOLDS 20 DISKS IN PLASTIC SLEEVES & HAS BUILT-IN EASEL
WE SELL HARDWARE & SOFTWARE FOR THE AMIGA, ATARI, APPLE, COMMODORE & IBM. 20% DISCOUNT ON SOFTWARE FOR THESE COMPUTERS. WE SHIP UPS, TEX-PACK OR US MAIL. ORDERS CAN BE PREPAID OR SHIPPED COLLECT. WRITE OR CALL FOR FREE CATALOGE.

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DATED MATERIAL DO NOT DELAY