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February 1992

The HUGgers Newsletter

Volume 11, Number 2

OFFICERS CORNER

Last month we held our annual election of officers. The officers for 1992 are Greg Larson, President; Bryant Pedigo, Vice President; Dan Eicher, Secretary; and Fred Edstrom Jr., Treasurer. We wish thank last year's officers, especially, Gary McQuade, for having provided outstanding leadership over the past year.

Items discussed for the upcoming year included plans to have the Hoosier User's Group represented at more of the up-coming TI faires such as the Fest-West in Phoenix, Arizona and Northeast Computer Fair in Boston. Phoenix faire is this month and the Boston fair is in April. Plans are to make available the various manuals we have printed in the past plus one or two new items. Remember that the February meeting is our 2nd Annual Swap Meet. So. bring anything that is computer related that you wish to sell, or trade... and of course this may be anopportunity to buy some of the things that you have been wishing to buy ... We have tried to get some extra publicity out on this and hope to attract some TI people outside our membership.

> MONTHLY MEETING LOCATION SWAP MEET ST. ANN'S SCHOOL 2837 S. MCCLLIFE INDIANAPOLIS, IN

> > MEETING STARTS AT 2:00 P.M. FEBRUARY 16 1992

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----- List compiled by Gary W. Cox

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(CONTINUED ON PAGE 6)

TIPS FROM THE TIGERCUB

No 63

Tigercub Software 136 Collingwood Ave Columbus OH 43213

My stock of Tigercub Software catalogs is depleted and it would not pay me to reprint it. Therefore I have released all copyrighted Tigercub programs, except the Nuts & Bolts Disks, for free distribution providing that no price or copying fee is charged. All of my Tigercub programs have been added to my TI-PD library and are cataloged, by category, in TI-PD catalog #4.

My three Nuts & Bolts disks, each containing 100 or more subprograms, have been reduced to \$5.00. I am out of printed documentation so it will be supplied on disk.

My TI-PD library now consists of 492 disks of fairware (by author's permission only) and public domain, all arranged by category and as full as possible, provided with loaders by full program name rather than filename, Basic programs converted to XBasic, etc. The price is just \$1.50 per disk(!), post paid if at least eight are ordered. TI-PD catalog #4 with Supplement #1, listing all fitles and authors, is available for \$1 which is deductible from the first purchase.

Several articles have been published on the subject of using Funlweb as a simple fixed-field data base. Sometimes you might want to rearrange the sequence of fields in such a file. This miniprogram will quickly change the position of any field in a D/V80 file.

100 DISPLAY AT(3,8) ERASE ALL
:"FIELDSWITCHER":"":" by
Jim Peterson":"":" Jo chang
e sequence of fields in
a DV80 fixed fieldfile creat
ed by Funlweb or other mean
s"
110 DISPLAY AT(23,6):"PRESS
ANY KEY" :: DISPLAY AT(23,6)
:"press any key" :: CALL KEY
(0,K.S):: IF S=0 THEN 110 EL
SE CALL CLEAR
120 DISPLAY AT(8,1):"FILENAM
E? DSK" :: ACCEPT AT(8,14):F

130 OPEN #1:"DSK"&F\$.INPUT
140 DISPLAY AT(12,1):"MOVE F
1ELD STARTING AT WHAT POSITI
ON?" :: ACCEPT AT(13,11)VALI
DATE(DIGIT):N

150 DISPLAY AT(15,1): "LENGTH
OF FIELD?" :: ACCEPT AT(15,
18) VALIDATE (DIGIT) BEEP:L
160 DISPLAY AT(17,1): "TO WHA
T POSITION?" :: ACCEPT AT(17,
17) VALIDATE (DIGIT) BEEP:T
170 IF T>N+L-1 OR T(N THEN 1
90
180 CALL SOUND (400,110,0,-4,
0):: DISPLAY AT(23,1) BEEP: "C
ANNOT MOVE FIELD WITHIN ITSO
WN PARAMETERS!" :: GOTO 140
190 DISPLAY AT(19,1): "OUTPUT
FILENAME? DSK" :: ACCEPT AT
(19,21) BEEP: OF\$
200 OPEN #2: "DSK" & OF\$, OUTPUT
210 LINPUT #1: M\$:: M\$=M\$&RP
T\$(" ".80-LEN(M\$)):: IF T(N
THEN M\$=SEG\$(M\$,1,T-1)&SEG\$(M\$,N,L)&SEG\$(M\$,T+1,N-T)&SEG\$(M\$,N+L+1,255)
220 IF T>N THEN M\$=SEG\$(M\$,1,N-1)&SEG\$(M\$,N+L+1,255)
230 PRINT #2:M\$:: IF EOF(1)
(>1 THEN 210 ELSE CLOSE #1:
CLOSE #2
240 DISPLAY AT(12,1) ERASE AL
L: "ANOTHER? Y/N" :: ACCEPT A
T(12,14) VALIDATE ("YN") SIZE(1)
) BEEP: Q\$:: IF Q\$="Y" THEN 1
20 ELSE CALL CLEAR :: STOP

And this one will make it easy to completely rearrange the sequence of any number of fields.

100 DISPLAY AT(3,9)ERASE ALL
"REARRANGER":"":" by Ji
m Peterson"
110 DISPLAY AT(7,1):" To re
arrange the sequence of fiel
ds in a DV80 file of fixed f
ields created by Funlweb
or otherwise."
120 DISPLAY AT(24,7):"PRESS
ANY KEY":: DISPLAY AT(24,7)
;"press any key":: CALL KEY
(0,K,@):: IF @=0 THEN 120
130 DIM L(20),S(20),F\$(20)::
CALL CLEAR
140 DISPLAY AT(8,1):"INPUT F
ILENAME?":"":"DSK":: ACCEPT
AT(10,4)BEEP:I\$:: OPEN \$1:
"DSK"&I\$, INPUT
150 DISPLAY AT(12,1):"OUTPUT
FILENAME?":"":"DSK":: ACCEPT
AT(14,4)BEEP:O\$:OPEN \$1:"
DSK"&U\$,OUTPUT
160 DISPLAY AT(16,1):"HOW MA
NY FIELDS?":: ACCEPT AT(16,
18) VALIDATE(DIGIT)SIZE(2):F
1: CALL CLEAR
170 FOR J=1 TO F :: DISPLAY
AT(12,1):"FIELD \$":J:"LENGTH
?":: ACCEPT AT(12,20) VALIDA
TE(DIGIT)BEEP:L(J):: NEXT J
1: FOR J=1 TO F

180 DISPLAY AT(12,1):"IN FIE
LD #";J:"":"PLACE FIELD #";
: ACCEPT AT(14,15) VALIDATE(D
IGIT) BEEP:S(J)
190 IF S(J)<1 OR S(J)>F THEN
CALL SOUND(300,110,0,-4,0);
: GOTO 180
200 IF POS(E*,CHR*(S(J))):: GO
TO 220
210 CALL SOUND(300,110,0,-4,0):: DISPLAY AT(16,1):"FIELD
#";S(J):"HAS ALREADY BEEN
PLACED!" :: GOTO 180
220 NEXT J
230 LINPUT #1:M* :: M*=M*&RP
T*("",80-LEN(M*)):: P*1 ::
FOR J=1 TO F
240 F*(J):: NEXT J
250 FOR J=1 TO F :: N*=N*&F*
(S(J)):: NEXT J
250 FOR J=1 TO F :: N*=N*&F*
(S(J)):: NEXT J :: PRINT #2:
N* :: N*=""
260 IF EOF(1)<>1 THEN 230 EL
SE CLOSE #1 :: CLOSE #2 :: S

If you need to use either of those programs on files with a record length other than 80, just add VARIABLE (or FIXED) and the record length to all the file opening statements, and change that 80 in line 210 or 230.

This subprogram, in which X=28 for a 28-column screen or whatever width you want, will reformat a string of almost any length to print on screen without breaking words, and will return in L the number of lines required to print it, which can be used to space DISPLAY AT statements.

31993 SUB FORMAT(X,M\$,L):: Y

X
31994 IF LEN(M\$) < Y+1 THEN 31
996 ELSE IF LEN(M\$) < Y+X+1 AN
D SEG\$ (M\$,Y 1) = " THEN 3199
6 ELSE IF LEN(M\$) < Y+X+1 AND
SEG\$ (M\$,Y+1,1) = " THEN 3199
6 ELSE P=Y-1
31995 IF P<1 THEN 31996 ELSE
IF SEG\$ (M\$,P,1) = " THEN M\$
=SEG\$ (M\$

The following little program, plus the magic of Funlweb, should be all the mailing list program that most people would need for home use. Just use Funlweb to create a file with name on the first line, address on the second line, city and state on the third; or use 4 or even 5 lines for the address if you need to, but the 6th line must either be blank or contain selection codes. These codes can be anything you want, such as C for everyone you want to send a Christmas

card to, or 811 to send a birthday card in November, or whatever.

You can put as many codes as you want to on that line, separated or strung together but be sure not to use a code that is part of another code—for instance, if you use B11 for those November birthdays, don't use B or 1 or B1 or 11 for something else.

Then continue with the next address in another block of six lines. Just be sure that the line number of the line just above the first address line is always a multiple of six.

100 DISPLAY AT(12,1)ERASE AL
L:"Filename? DSK":: ACCEPT
AT(12,14)BEEP:F\$:: OPEN #1:
"DSK"&F\$,INPUT :: OPEN #2:"P
10"
110 DISPLAY AT(14,1):"Print
addresses with code -":"":"(
to print all addresses, j
ust press Enter)"
120 ACCEPT AT(15.1)BEEP:X\$
130 LINPUT #1:A\$:: LINPUT #
1:B\$:: LINPUT #1:C\$:: LINP
UT #1:D\$:: LINPUT #1:E\$::
LINPUT #1:F\$
140 IF POS(F\$,X\$,1)<>0 OR X\$
""" THEN PRINT #2:A\$:B\$:C\$:D
\$:"":""
150 IF EOF(1)<>1 THEN 130 EL
SE CLOSE #1

In Tips #62 I reported on the weird behavior of the CALL LOAD(-31961,149), when used to clear all defaults and search for a LOAD file on DSK1. I have since found that if you put this CALL at the beginning of a program, it will not execute until an END or STOP is reached—but if you break the program with FCTN 4, it will not be in memory!

I stated that after this CALL LOAD was executed, any number taken to the power of 0 (which should be a value of 1) acquired a value of 220.5727273. I was led astray by the INT in the the formula in which I first found this puzzle. Actually it is 220.57000101, which prints to the screen in the peculiar format F0.57000101.

If a number between 1 and 9 is added to that, it is printed as 1< followed by the number being added, followed by the decimal part. For a number between 10 and 19, the < is changed to = and between 20 and 29 it becomes > (note the ASCII sequence); from 30 to 35 it becomes ? but from 36 to 99 99 the decimal portion is preceded by 0 to 63 respectively. 100 is 2<0.570001 and the pattern continues.

Although these are not valid representations of numbers, they are treated as such. Run a program to give N the power of 2^0 , then break the program and experiment in immediate mode.

PRINT N gives that strange F0.57000101. PRINT N+1, or whatever, gives values represented in the format described above. PRINT Nt1 will give the true numeric value 220.57000101 but multiplying by some other values gave me results in the odd format, as did dividing.

Peter Walker pointed out to me that trying to subtract from N within a program resulted in printing a value followed by a crash reporting a SYNTAX ERROR (in the line which had just been executed!) followed by a jump to a non-existent line zero!

N-1 should be 219.57... of course, but in immediate mode PRINT N-1 results in 63.57000101. In the format in which added values are printed, this would be 319.57000101 but the 63... is actually a decimal value, as can be proved by PRINT CHR\$(INT(N-1))! When I tried to get a zero value by PRINT N-64.57000101, the computer blew its mind.

Does anyone know what is going on here?

An IBM program called DOC-SMASH, which sells for about \$35, will read a D/V80 file and output it to a printer in full carriage-width lines of elite condensed subscript thereby getting up to 216 lines per page. Bud Wright wrote a TI version, with assembly links, to let us do the same thing for free. His version; wouldn't work on my trusty old Gemini 10X, which does not support condensed elite, so I wrote this mini-program which is not as fast as Bud's, but does the job.

100 DISPLAY AT(3,9) ERASE ALL
:"TEXTSMASHER":"":"For the 6
emini 10X printer, to print
D/V80 text in linesof 136 ch
aracters closely spaced, i
n subscript."
110 DISPLAY AT(20,1):"Press
Enter to end input" :: DIM F
\$(20)
120 F=F+1 :: DISPLAY AT(12,1
):"FILE #":F:"DSK" :: ACCEPT
AT(13,4) BEEP:F\$(F):: IF F\$(
F)(>"" THEN 120
130 OPEN #2:"PIO", VARIABLE 2
55 :: PRINT #2:CHR\$(27)&CHR\$(
83)&CHR\$(1):
140 PRINT #2:CHR\$(15)&CHR\$(2
7)&CHR\$(51)&CHR\$(12)::: LN=1
36
150 FOR J=1 TO F-1 :: OPEN #
1:"DSK"&F\$(J), INPUT
160 LINPUT #1:M\$
170 IF LEN(T*)>0 THEN M*=T*&
"*&M\$:: T\$=""

180 IF LEN(M\$) < LN+1 AND POS(
M\$, CHR\$(13),1) <>0 THEN PRINT
#2:M\$:: GOSUB 260 :: M\$=""
:: GOTO 230
190 IF LEN(M\$) = LN THEN PRINT
#2:M\$:: GOSUB 260 :: M\$=""
:: GOTO 230
200 IF LEN(M\$) < LN AND EDF(1)
<>1 THEN LINPUT #1:X\$:: M\$=
M\$&" "&X\$:: GOTO 170 ELSE I
F LEN(M\$) < 136 THEN PRINT #2:
M\$:: GOSUB 260 :: GOTO 240
210 P=LN
220 IF SEG\$(M\$,P,1)=" " THEN
T\$=SEG\$(M\$,P+1,255):: M\$=SE
G\$(M\$,1,P):: PRINT #2:M\$::
GOSUB 260 :: M\$="" :: GOTO 2
30 IF LEN(T\$) < LN+1 AND POS(
T\$, CHR\$(13),1) <>0 THEN PRINT
#2:T\$:: GOSUB 260 :: T\$=""
240 IF EOF(1) <>1 THEN 160
250 CLOSE #1 :: NEXT J :: ST
OP
260 X=X+1 :: IF X<121 THEN R
ETURN
270 X=0 :: FOR K=1 TO 8 :: P
RINT #2 :: NEXT K :: RETURN

For that to work properly, your paragraphs must end in carriage returns, and so must the title line, eter-If such is not the case, try Bill Wood's method—load the file into Funlweb, enter RS for Replace String, then /. /. X/ but instead of X type CTRL U SHIFT M. At the first prompt, enter A for All. If your text has any paragraphs ending in ? or !, get your cursor back to the beginning, change that first period to ? or !, and do it again. You might also need to manually add carriage returns to titles, etc. Just type CTRL U, then SHIFT M wherever a CR is needed.

Without having printers to test it on, I think the program can be modified for the SG-10 by changing line 140 to

140 PRINT #2:CHR\$(27)&"B"&CHR\$(4)&CHR\$(27)&CHR\$(51)&CHR\$(12);:: LN=160

And for old Epson-type printers which don't support elite condensed by

140 PRINT #2:CHR\$(27)&CHR\$(7)&CHR\$(7)&CHR\$(18);:: LN=132

And new Epson compatibles by

140 PRINT #2:CHR\$(27)&CHR\$(7 7)&CHR\$(15)&CHR\$(27)&CHR\$(51)&CHR\$(18);: LN=160

You might also have to change that 8 to 12 in line 270--my old Gemini seems to think that 11*12=128.

COMPLETELY out of memory,

Jim Peterson

Dan H. Eicher P.O.Box 605 Mooresville, IN 46158

May 1992





Forwarding and Address Correction Requested

P.O. Box 2222 indianapolis, IV 46206–2222



APPLICATION FOR MEMBERSHIP

Below you will find an application for membership to the Hoosier Users Group. Active membership entitles you to the Newsletter, up and download on the HUGbbs, attendance and voting rights at regular club meetings, access to the HUGger Library of Programs, special club activities and special guest speakers for one year.

Make check or money order payable to Hoosier Users Group. Send completed application to:

HOOSIER USERS GROUP P.O. Box 2222 Indianapolis, IN 46206-2222

please p	rint	cut on line		
Check One:	· 보통 (40 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		<u> </u>	
Active Member ! New: \$20	NAME		TODAY'S DATE	*
Renewal: \$19 Dues will be due in May of each year. New 1	ADDRESS	Principal of the state of the s	ДР	T #
members subtract \$1.50; for each month from	CITY		STATEZI	P
May to Oct. New member! minimum \$10.00 ; Amount	PHONE () -	77		•
Enclosed	INTERESTS/			
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CONSTITUTION

(Drafted March, 1983) (Revised April 24, 1983)

Article 1

<(Name:>>

This User's Group shall be known as the "T I Hoosier User's Group" (hereinafter referred to as "User's Group").

Article 2

<<Purposesi>>

It is the purpose and objective of the User's Group as an educational not-for-grofit organization:

- a. To provide a means of communication among T. I. computer owners.
- b. To fold meetings so people can learn more about the T. I. computer.
- . To make available for member use a library of documented software.
- d. To organize groups of people to study various areas of computing.

Article 3

<<membership:>>

a. Membership shall be open to anyone interested in the purposes and objectives of the User's Group. Active members are those who have dues paid to date.

Article 4

<<Feesi>>

- a. Active members shall pay annual dues of fifteen dollars (\$15.00). A one time registrat on fee of five dollars (\$5.00) shall be paid by new members.
- b. Subscribers will only receive the newsletter for an annual fee of seven dollars fifty cents (\$7.50), no other privileges. A one-time registration fee of two dollars and fifty cents (\$2.50) shall be paid by new Subscribers.

Article 5

<<Officers:>>

a. The Officers shall consist of: President, Vice President, Secretary, and Treasurer.

Acticle 6

<<Comnittees:>>

a. Standing Committees shall be defined and established by the Officers.

Article 7

<<pre><<meetings:>>

1.4. 55 * 44 55

- a. The Annual Meeting for the Election of Officers shall be held in the month of April.
- b. Additional meetings shall be scheduled by the Officers. Matters of business may be acted upon no sooner than 30 days after presentation.
- c. A quorum for the transaction of business shall consist of one-third of the active members present.
- d. Officers' Meetings Shall be called by the President as the President deems necessary, or upon the written request of two (2) Officers.
- e. A quorum for the transaction of business at an Officers' Meeting shall consist of three (3) of the four (4) officers.
- f. An individual to chair the Nominating Committee shall be appointed by the President of the User's Group not later than one (1) month prior to the Annual Meeting for the Election of Officers.

Article 8

<<Amendments:>>

a. This constitution may be amended by a two-thirds vote of the active members who are present or represented by absence ballot at any regular business meeting; however, no ammendment shall be voted upon without two (2) weeks' notice, in writing, to the active members.

BY-LAWS

Article 1

<<Duties of Officers:>>

- a. President The President shall preside at all meetings of the User's Group; shall be an ex-officio member of all committees; and shall perform all such duties as are incidental to the office of and are properly required of the President.
 - b. Vice President In the absence of the President, the Vice President shall exercise all of the functions and shall be vested with all of the powers of the President.
 - c. Secretary The Secretary shall have charge of all papers, keep such records, make such reports, and perform such duties as are incidental to that office and that are properly required of the Secretary by the User's Group. Such duties shall include responsibility for the taking of minutes and attendance at regular meetings of the User's Group or Officer's Meetings.
 - d. Treasurer The Treasurer shall have charge of the funds of the User's Group; shall conduct its banking business and audit all accounts. Checks drawn shall be signed by either the Pres dent or the Treasurer. A report of expenses and expenditures shall be given at regular meetings of the User's Group.

Article 2

<<Comittees:>>

- a. The Officers shall affix hereunto a declaration and job description for all designated Standing Committees, including their date of creation and initial committee members. The committee charter shall remain in force until or unless revoked by a two-thirds vote of all active members.
- b. The President shall appoint a Chairperson of each Standing Committee and shall collaborate with each Committee Chairperson in selecting the members of that Committee.
- c. The President is empowered to appoint such special committees as are deemed needed at any time, or at the majority vote of the members at any regular meeting, and shall appoint such committees as the members direct.
- d. Any committee member who is absent from three (3) consecutive committee meetings without good cause may no longer be considered a member of that committee and may be replaced by the chairperson.
- e. The vote of the majority of the members of any committee shall be considered the vote of the committee as a whole.
- Officers may also serve on committees or as chair persons of committees.

Article 3

<<Election of Officers:>>

a. At a meeting to be held not later than one (1) month prior to the Annual Meeting, the President shall select a Nominating Committee of at least three (3) active members. The Chairperson of this committee, who shall be chosen by the President from among the three committee members, shall promptly call a meeting of this committee to consider numinations for the various offices to be filled. To assist the Nominating Committee in selecting candidates, a questionnaire shall be given to all active members. This questionnaire shall; explain the function of the Nominating Committee and shall request members to inter the names of those whom they consider desirable as cardidates for the respective Offices. After giving due consideration to the suggestions made in the answers to the questionnaire, the Nominating Committee shall proceed to nominate at least one (1) candidate for each Office to be filled. These names, together with the names herein provided for, shall be presented to the User's Group membership at the Annual Meeting. Names of other candidates may be placed in momination from the floor at the Annual Meeting.

The Nominating Committee shall not be required to select candidates based upon the results of the questionnaire except that the name of any active member who is suggested for a particular Office by ten (16%) percent or more of the active members shall be considered as having been nominated for that office and the name of such member or members shall be announced with the nominations of the Nominating Committee at the Annual Meeting.

- b. Voting shall take place at the Annual Meeting and shall be by secret ballot. The nomineus receiving the greatest number of votes shall be considered duly elected and shall be installed at the next regular meeting of the User's Group.
- c. Only an active member who has been in attendance at half of the regularly scheduled meetings of the User's Group since the last ele-

tion of Officers is eligible to hold office.

- In the event of a resignation by an Officer, or a vacancy in any of the offices, the President shall select an active member to fill suct a vacancy for the remainder of the unexpired term.
- There shall be only one (1) official ballot for the election of Officers which shall contain the names of those chandicates duly nominated according to the provisions of these By-Laws. There shall be only one (1) official form of absentee ballot to be used in the election of Officers. This absentee ballot shall be prepared and delivered under the direction of the Nominating Committee and shall contain all of the names of the candidates duly nominated according to the provisions of these By-Laws. This proxy shall be so written as to give every active member an opportunity to cast their vote by absentee ballot, if the members so elects, for the candidate or candidates of the member's choosing.

Article 4

<<membership:>>

- Applications for membership shall be made to the Officer's Committee or its designate and must be accompanied by the appropriate dues.
- b. Members shall be deemed inactive when their dues are three (3) months in arrears and shall be subsequently dropped from membership.

Article 5

Robert's Rules of Order shall govern in all matters not covered by the Constitution and Ey-Laws.

Article 6

((Liability of Members:))

- a. No Officer or active number shall be personally liable for any bills or obligations of the User's Group, past or present, except for the payment of personal membership dues.
- b. No Officer or active member of the User's Group shall disburse any funds or moneys in his/her keeping or belonging to the User's Group without authorization from the other Officers, and such authorization must be confirmed in writing by the President or Treasurer of the
- User's Group.
 c. No person shall use the name or mailing list of the User's Group for
- any purpose other than those purposes which are strictly those of the User's Group without the expressed authorization of the Officers; furthermore, such authorization is to be confirmed in writing by the President or Secretary of the User's Group.

Article 7

<<pre><<pre><<pre><</pre>

a. These By-Laws may be ammended by a two-thirds vote of the active members who are present in person at any regular business meeting. However, no ammendments shall be voted upon unless written notice has been given to active nembers two (2) weeks in advance of the vote.