Vol.8 No.07 September 1990

## NEW HORIZONS
NEWS LETTER

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THIS MONTHS MEETING SEP.15,1990 SATURDAY AT UNITY CHURCH 12:30 PM.
Behind Wendy's off Secor Road on Executive Dr.

BEWARE IRAQ
AMERICA IS WATCHING YOU
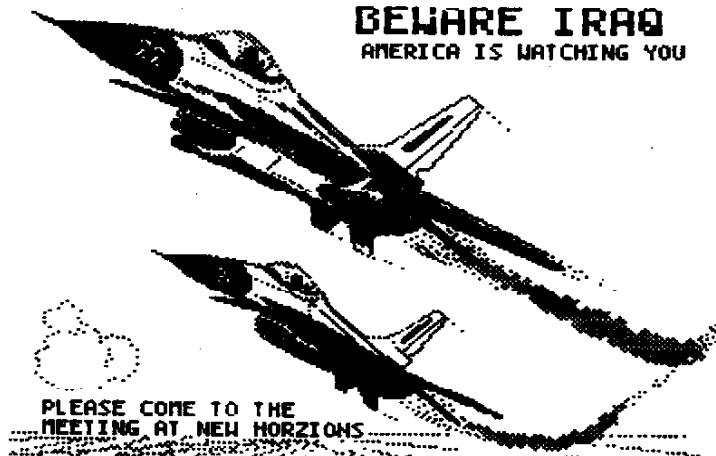
PLEASE COME TO THE
MEETING AT NEW HORZIONS

PRESIDENT'S CORNER
Bill Tiep

WELL THE FALL IS UPON US AND I HOPE EACH HAD A WONDERFULL SUMMER VACATION.

THIS SEPTEMBERS MEETING WILL REQUIRE YOUR ATTENTANCE IF NOT FOR ANYTHING ELSE BUT THAT YOU MAY BE COUNTED AS A CONCERNED MEMBER.

THIS MONTH WILL BE THE USUAL CLUB DISKS, 50/50 DRAWING, AND THE DEMOS, IF ANY. MICROPENDIUM WILL ALSO BE ON SALE AT THE DISK SALES TABLE. I ALMOST FORGOT THE MEETING WILL BE AT UNITY CHURCH, IN TOLEDO, OHIO OFF SECOR ROAD, BEHIND WENDY'S ON EXECUTIVE PARKWAY AT 12:30 P.M. SHARP. HOPE TO SEE YOU ALL THERE, AND DON'T FORGET BRING A FRIEND. "WE **NEED TO INCRESS OUR MEMBERSHIP"!!!!** THE REASON I'M INCLUDING THIS IS THAT IT WILL BE THE THIRD SATURDAY INSTEAD OF THE SECOND AS USUAL. '"SEPTEMBER 15,1990. "" WILL BE THE DATE OF OUR MEETING.

SO LET'S SPIN OUR WHELLS No MATTER THE TYPE TO YOUR NEXT MEETING AND SHARE WHAT YOU KNOW WITH SOME FRIENDS, YOU WILL NEVER BE SORRY. YOU MAY EVEN FIND YOU HAVE HELPED SOMEONE WITH A PROBLEM YOU HAVE ALREADY HAD. SO IF YOU NEED SOME HELP IN WHAT EVER DOESN'T COMPUTE. BRING IT TO THE MEETING AND GET IT SOLVED. WE'LL JUST OOZE OVER THE PROBLEM WITH THE KNOWLEGE OF THE "GROUP"

N.H.
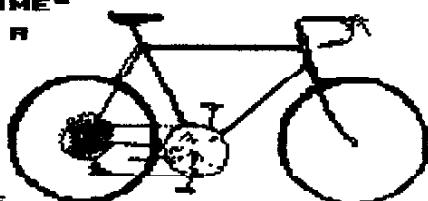
EDITORS NOTES

THIS PAGE I REALY GOT CARRIED AWAY, BUT HOPE IT TURNS OUT OK. THIS WHOLE NEWS LETTER HAS BEEN DONE FONT WRITER, AND PAGE PRO 99 - MOSTLY THE LATTER.

SUPPORTING SOFTWARE USED WAS MACFLIX, P.C. TRANSFERE, PIX PRO, PIX, MACPIX, RLE2, TI-ARTIST V2.01 WITH MOUSE SUPPORT FOR THE GENEVE.

I REALLY INJOY USING PAGE PRO 99, BUT IT IS MORE FOR GIVING WHEN DONE ON A GENEVE THEN A 99/4A SIMPLY BECASE OF THE SPEED PLUS THE ADDED FEATURE OF THE BUILT IN RAM DISK. I FIND IT BEST TO SAVE MY TEST FILES TO THE RAM DISK WITH ALL THE SUPPORT FILES WITH CONTROL F . WITH THE SAVE PAGE ROUTINE. THIS WAY I CAN GET IT THE WAY I WANT THEN I SAVE IT AS A PICTURE FILE. FOR A PERMONT RECORD. AND THATS ALL THERE IS TO IT. RCF

THE NEW HORIZONS COMPUTER CLUB

Roger Steinauer

EDITOR

```
100 CALL INIT :: CALL LOAD(-
31804,255,0)
140 DISPLAY AT(12,2):"WHICH
DRIVE FOR BOOT          TRA
CING 1-9:" :: ACCEPT AT(14,1
9):N$
150 DISPLAY AT(12,3)ERASE AL
L:"Booting... Please wait."
160 A$="DSK"&N$&"."
170 FOR I=12288 TO 12288+LEN
(A$)-1 :: CALL LOAD(I,ASC(SE
G$(A$,I-12287,1))):: NEXT I
:: CALL LOAD(12318,0,LEN(A$)
```

The above program is a file which I use to load Ti-Artist v.2.01 from any drive from 1 thru drive #9. What is unique is that it also has Dis/Fix 80 file merged in with it. This enables me to load it from Extened Basic, with the only only request from the program is what drive I wish to do the boot tracking.

As it is right know the item that has to be typed in the number from 1 to 9 and enter. If someone can supply me with a address in CPU memory that I could peek to without having to load a peekv routine in with this program then the tracking will be automatic. Then if an error was found it would then jump to line 140 and ask for a certain drive. This would allow the program to be stored on a different drive or what ever.

I hope everyone had a very nice and long summer vacation. With many wonderfull experiences to talk of. I know I have, right now I am looking at about 75 disks I haven't even had a chance to look at. Everything from to two unreleased grom games of ET's adventures, to an XB link Dis/Fix 80 utility that will allow windowing up to 8 windows anywere on the screen. Each window can be as big as the whole screen and can be caused to scrol in less then a second from one to the next. Other items of interest I have in my possession 5 disks that let me look and move data in memory and another ten disks with about 250 machine language routines that will allow for links to XB. So as you can see I have a great deal to look at. And these don't include Berry Troviers XXB routines, or my EZKeys rotines. Also been playing with the Draw and Plot data from Super Extended Basic cart and found that it is possible to capture the 8K to disk and link load it back as needed in an XB program but, to tell the truth haven't found too much use for it. And fill this one is best left alone for legal reasons.

The reason for the above with Draw and plot is that I like to load in my Geneve both XB and E/A and found in some cases the 9938 looses something switchs the color polets to some real rad colors. so for some programs I run this mix of regular XB/EA from my Grom Kracker disk.

PLEASE
TURN THE
PAGE !

Lately I hover been using Page Pro more and more but one of best functions of of the program is it's ability to inport blocks of text any-were on the page. The only problem is that it will only load files the standard Dis/Var 80 files. To many this won't be too big of a deal. As for me it is. Let me tell you of a case. Super Extended Basic's list command allows the LIST command to have a size dis/var. from any thing from 10 to 255. The command would look like this:

LIST"DSKn.filename":28:[begin-
        ing line # ending line
        #] the line numbers are
        optinal.

But, when you do a directory you will find the file is in Dis/Var what ever number you type as in the case of above Dis/Var 28, which will allow saving an XB program as it looks in edit mode. The following program helps solve this problem.

```
50 CALL CLEAR
100 PRINT "ENTER 'device.fil
enome'"
110 INPUT "_____    ":FILES
120 OPEN #1:FILES,INPUT ,DIS
PLAY ,VARIABLE 28
130 INPUT "PRINTER (Y/N)? ":
CS
140 IF CS="N" THEN 220
150 PRINT "ENTER 'printer na
me'"
160 INPUT "_____    ":PS
170 OPEN #2:PS,OUTPUT,DISPLA
Y
180 LINPUT #1:AS
190 IF EOF(1)THEN 260
200 PRINT #2:AS
210 GOTO 180
220 LINPUT #1:AS
230 IF EOF(1)THEN 260
240 PRINT AS
250 GOTO 220
```

This is a very simple program to convert D/V 28 files to D/V 80 format that can be load from disk to Page Pro's text inport function. But, serves will for this perpose. con-sidering it only took me 10 minutes to write this routine it serves well for the perpose at hand.

For the past 3 years I have been your news letter editor and have planned to step down at the end of the year of 1990. But, because of circumstances beyond my control it may be sooner then I would like. In this case if General Motors has a inter-national strike which comes due Sept 14 1990 I will not be able to serve As your Editor, But let me say this all hinges on wether or not they go on strike. Who ever takes over I will give as much help in what ever is needed to continue this this news letter because I fill without this our club will not last without it. I will continue to to write articles for the news letter. And belive me I can write.

Did you know that a Page Pro picture the size of a whole page is 210 sectors. which means that an eight page news letter requires 1680 sectors on a disk. which means if you use 360 format you would need 5 disks to hold it all. To bad someone couldn't come up with a compression routine of 4 to 1.
I am trying to use Page as much as possible in this this issue and it seems to work great. this is the program I wised about 3 long years ago and it is finally here!!!

Roger Feinouer
166 S. McKenzie ST.
Adrian. Mich 49221

PAGE PRO 99 HIGH RESOLUTION PICTURE PRINT UTILITY v2.0

Copyright 1988 - Ed Johnson
This rather simple utility was written to fill a need that many Page Pro 99 users have: to get higher resolution output than is currently available with Page Pro 99. I think you'll find this utility very useful in it's current form. It will read any size Page Pro 99 format picture file and print it out in 4 different combinations of density and width. The program is simple to use, is reasonably fast, and gives excellent results. In addition, you can selectively overstrike the output. If you choose not to overstrike, the output is that same as from Page Pro. With overstrike, the paper is feed 1/216" (or 1/180" for 24 pin printers) and the same line is printed again. With overstrike output, printing takes twice as long, but the quality is much improved. The program will handle any size Page Pro picture, up to and including a full page. You can clip a page as a picture and then use this utility to print it out in higher resolution than is currently available with Page Pro itself. I have provided no options to squeeze the picture vertically (yet!), so I recommend that you leave a blank line at the top and bottom if you want to print a whole page that you've clipped. After the program is run, you are greeted with a title screen that describes the program. Press any key to advance to the next screen. This screen has the fairware notice and will prompt you for several choices for printer output. First, select the printer mode: 8 pin or 24 pin. 24 pin printers will handle both options. The exciting part of the new 24 pin mode is that it supports full 24 pin output, not just emulating on 8 pin mode! The output is also set up so that a full 66 lines will fit on an 11" page. What I had to do to accomplish this was to convert the normal 8 pin graphics data (one byte) into 3 bytes of graphic data for the 24 pin mode. In doing this conversion, I expanded (or reduced - depends on your point of view) the data to use 20 of the 24 pins and set the line spacing accordingly. No matter your point of view, the output fits on the page and the quality is excellent! The next three selections are for determining density, width, and overstrike. You can get 8 different "resolutions" of output with this version. The 4 combinations of density and size below can each be printed with or without overstrike. Those with 24 pin printers actually have 16 combinations since there is also a vertical size difference between selecting 8 and 24 pin mode. Single Density/Normal Width (Use Single/Normal selections) Single Density/Double Width (Use Single/Wide selections) Double Density/Half Width (Use Double/Narrow selections) Double Density/Normal width (Use Double/Wide selections) To quit the program, enter "0" for printer selection, or a null string when prompted for the picture file name.

End of line
bublx

```
100 L$=RPT$("-",80):: M$=":
    "&RPT$(":       ",4)&":
    " :: M$=M$&M$
110 CALL MAGNIFY(2):: RANDOM
    IZE :: DIM U(75,1),T$(7),U$(
    15):: FOR I=0 TO 9 :: READ P
    (I):: NEXT I
120 DATA 31599,18724,29671,3
    1207,18925,31183,31695,4775,
    31727,31215
130 DISPLAY ERASE ALL AT(8,1
    2):"TINGO" :: DISPLAY AT(10,
    7):"BY STEVE KARASEK"
140 INPUT "HOW MANY CARDS TO
     PRINT? ":N :: IF N THEN OPE
    N #1:"PIO",OUTPUT,VARIABLE 2
    55 :: PRINT #1:CHR$(27),"A",
    CHR$(7);
150 FOR I=1 TO (N+1)/2 :: PR
    INT #1 :: FOR J=1 TO 10 :: P
    RINT #1:TAB(J*8-4);SEG$("TIN
    GOTINGO",J,1);:: NEXT J :: P
    RINT #1
160 FOR H=1 TO 5 :: PRINT #1
    :L$:M$ :: FOR M=0 TO 1 :: FO
    R J=0 TO 4
170 K=INT(RND*15)+1+J*15 ::
    IF U(K,M)THEN 170
180 C(J,M)=K :: U(K,M)=1 ::
    NEXT J :: NEXT M :: FOR K=0
    TO 4 :: FOR M=0 TO 1 :: FOR
    J=0 TO 4 :: N$=N$&":" :: IF
    H<>3 OR J<>2 THEN 210
190 IF K=2 THEN N$=N$&"*FREE
    *" ELSE N$=N$&"          "
200 GOTO 250
210 X=0 :: FOR W=1 TO 0 STEP
    -1 :: X=INT(C(J,M)/10^W)-X*
    10
220 FOR L=0-(J=0 AND W=1)TO
    2 :: IF (P(X)AND 2^(L+K*3))>
    0 AND(W=0 OR X>0)THEN N$=N$&
    "*" ELSE N$=N$&" "
230 NEXT L :: IF W THEN N$=N
    $&" "
240 NEXT W
250 NEXT J :: N$=N$&":" :: N
    EXT M :: FOR M=1 TO LEN(N$):
    : IF SEG$(N$,M,1)="*" THEN P
    RINT #1:"e";ELSE PRINT #1:"
    ";
260 NEXT M :: PRINT #1:CHR$(
    13);N$ :: N$="" :: NEXT K ::
    PRINT #1:M$ :: NEXT H :: PR
    INT #1:L$
270 IF INT(I/2)*2=I THEN PRI
    NT #1:CHR$(12);
280 GOSUB 470 :: NEXT I :: I
    F N THEN CLOSE #1
290 FOR I=2 TO 7 :: READ T$(
    I):: NEXT I :: FOR I=1 TO 15
    :: READ U$(I):: NEXT I
300 DATA TWENTY,THIRTY,FORTY
    ,FIFTY,SIXTY,SEVENTY
310 DATA ONE,TWO,THREE,FOUR,
    FIVE,SIX,SEVEN,EIGHT,NINE,TE
    N,ELEVEN,TWELVE,THIRTEEN,FOU
    RTEEN,FIFTEEN
320 CALL CLEAR :: FOR I=9 TO
     14 :: READ J :: CALL COLOR(
    I,J,J):: NEXT I
330 DATA 6,7,13,5,14,3
340 Z=0 :: CALL DELSPRITE(AL
    L):: INPUT "PRESS <ENTER> WH
    EN READY ":X$ :: DISPLAY ERA
    SE ALL AT(1,5):"T    I    N
       G    O"
350 J=4 :: FOR I=96 TO 136,S
    TEP 8 :: CALL VCHAR(I,J,I,17
    ):: J=J+5 :: NEXT I
360 IF Z=75 THEN 460
370 J=INT(RND*75):: IF U(J,0
    )THEN 370
380 Z=Z+1 :: U(J,0)=1 :: I=I
    NT(J/15):: J=J+1 :: DISPLAY
    AT(J-I*15+2,4+I*5)SIZE(2):US
    ING ("##"):J :: X$=SEG$("TIN
    GO",I+1,1)
390 CALL SPRITE(#4,ASC(X$),2
    ,144,104):: Y$=STR$(J)&" " :
    : FOR I=1 TO LEN(Y$):: CALL
    SPRITE(#I,ASC(SEG$(Y$,I,1)),
    2,144,114+I*14):: NEXT I
400 CALL SAY(X$):: IF J>15 A
    ND J<20 THEN CALL SAY(U$(J-1
    0),,"TEEN")ELSE X=INT(J/10)*
    -(J>19):: CALL SAY(T$(X),,U$
    (J-X*10))
410 FOR I=1 TO 150 :: CALL K
    EY(0,X,S):: IF S THEN 430
420 NEXT I
430 IF S=0 THEN 360 ELSE DIS
    PLAY AT(22,1):"PRESS C TO CO
    NTINUE OR N FOR A NEW GAME"
440 CALL KEY(0,X,S):: IF X=-
    1 THEN 440
450 X$=CHR$(X):: IF X$="C" T
    HEN CALL HCHAR(22,1,32,64)::
    GOTO 360 ELSE IF X$<>"N" TH
    EN 440
460 GOSUB 470 :: GOTO 340
470 FOR J=0 TO 75 :: U(J,0),
    U(J,1)=0 :: NEXT J :: RETURN
```

THE ABOVE XB PROGRAM
RQUIRES 32K. SPEECH
AND A PRINTER. THE
PRINTER PART IS ONLY
NEEDED IF YOU WANT
IT TO PRINT OUT THE
BINGO CARDS. ELSE TYPE
0 WHEN IT ASKS FOR #
OF CARDS.

```
90 OPEN #1:"SPEECH",OUTPUT
95 PRINT #1:"//43 128"
100 REM XXTI-READERXX
        X BY W. CHMARA X
105 REM   THE READING OF A FI
LE. REQUIRES SPEECH SYNTHESI
ZER, TEII, TI-WITER FILE ON
DISK TO READ.
110 REM      ALL QUOTATION MAR
KS (") IN FILE ARE   CHANGED
TO @( THE "AT"       SYMBOL.
FNCT-8 WILL STOP
115 CALL CLEAR
120 PRINT "        TE-II TI-WR
ITER": :"        FILE READER
": :"    FOR DIS/VAR 80 FILES
.": : : :
125 PRINT "      From MICROpen
dium": :"         July 1990"
: :"       Update 1990": :"
      by R.C.Feinauer": :
130 CALL CHAR(64,"00282828")
135 PRINT #1:"WHAT DRIVE NUM
BER 1 THRU 9 ?"
140 INPUT "WHAT DRIVE NO. 1-
9 ?":DN$
145 IF DN$="0" THEN 305 ELSE
 150
150 PRINT #1:"WHAT IS YOUR F
ILE NAME ?"
155 INPUT "FILE NAME ?":FILE
$
160 IF FILE$="" THEN 305 ELS
E 165
165 PRINT :"PRESS: FNCT-8 TO
 END FILE.": :"        P TO P
AUSE":""
170 PRINT #1:"PRESS FUNKTION
 8 TO END FILE PRESS P TO PA
USE."
175 OPEN #2:"DSK"&DN$&"."&FI
LE$,DISPLAY ,INPUT ,VARIABLE
 80
180 IF EOF(2)THEN 290
185 INPUT #2:XS
190 PRINT XS
195 B$=""
200 FOR A=1 TO LEN(XS)
205 CALL KEY(0,K,S)
210 IF K=6 THEN 290 ELSE 215
215 IF K=80 THEN 220 ELSE 23
0
220 PRINT "":"XXXXPAUSEDXXXX
":"Press >C< to continue !":
""
223 PRINT #1:"THIS FILE BEIN
G RAD IS PAUSED PRESS C TO C
ONTINUE."
225 GOSUB 335
230 AS=SEG$(XS,A,1)
235 IF AS=CHRS(34)THEN 240 E
LSE 245
```

```
240 AS=CHRS(64)
245 Y=ASC(AS)
250 IF Y=64 THEN 255 ELSE 26
0
255 Y=Y-32
260 IF Y>96 THEN 265 ELSE 27
0
265 Y=Y-32
270 B$=B$&CHRS(Y)
275 NEXT A
280 PRINT #1:B$
285 GOTO 180
290 CLOSE #2
295 PRINT #1:"//50 160"
300 PRINT #1:"THIS IS THE ^
END OF THIS FILE"
305 PRINT #1:"READ ANOTHER F
ILE Y OR N"
310 INPUT "Read another Y or
 N?:":ANS
315 IF ANS<>"Y" THEN 325 ELS
E 320
320 GOTO 100
325 CLOSE #1
330 STOP
335 CALL KEY(0,K,S)
340 IF K<>67 THEN 335 ELSE 3
45
345 RETURN
```
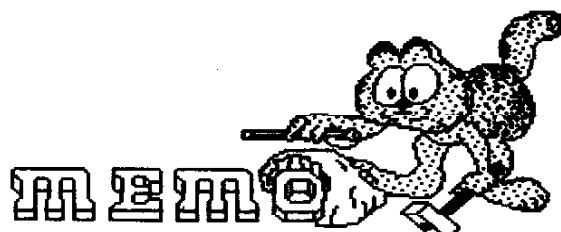
Some more notes on page pro
one of the items I wish it
had is in the inport text
is a way to specify blocks
of text by line numbers.
Such as 1 35 DSKn.filename
this would make inporting
text flow more freely. Also
it now will only inport
DV/80 FILES. Maybe if it
should read DV/any size and
use the directory size for
input length for the file.
All and all it is still a
great program.

News since then has been thin, but several important topics have developed anyways. Bruce Hellstrom has written a mouse driver that works with the 9640. He is seeking JP Software to market the program. If JP doesn't go for it, I am here Bruce (grin). Bruce has also updated his Debugger to now include viewing all 128K of the VDP ram on the 9640, including all mapping of the 9640 in MDOS mode. And before I almost forget it, Bruce has also written a program that patches the Geneve operating system to accept 80 track disks with TI and CorComp disk controllers and also changing their step rates. This means that the TI and CorComp and Myarc with the 40 track Eprom, can format and use 80 track diskettes, up to 2880 sectors if you have a double density capable controller. This is an extremely nice utility to get the full use out your drives while Myarc plays the HFDCC support code. One final word, and I will wrap this segment of news up for this issue. Myarc in Chicago released a slightly different version of 1.14F and 0.96H versions of the operating system after Paul Charlton released his version in September. Be AWARE, while Lou's version 'fixes' the RAMDISK problem, it creates others. Most noticeably, SETDSK (80 track patch program by Bruce Hellstrom) will not work with it unless SETDSK has a sector change, and I have

found that The Printer's Apprentice, The Geometer's Apprentice, and virtually any program that prints from the MDOS side of the 9640, had complications printing. Reverting to Paul's release fixes the problem. This was noticed in both versions of Lou's 'fixes'. I would advise anyone receiving a version of MDOS either directly or indirectly to not blame a program for malfunctioning if they have printer problems. I have even seen one individual with the exact same program, that actually cured an RS232 problems. So, be aware, and don't be scared if something acts funny.
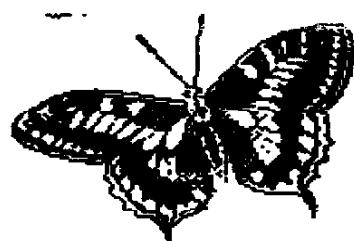
Sorry about this page but still learning the program and have a lot to learn. this page is an excert from 9640 NEWS. For those with a Geneve it is worth while.

The address is:

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Cost $25.00