

KANSAS CITY T199/4A COMPUTER USERS' GROUP
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FIRST CLASS MAIL

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KC 99'er CONNECTION

A KANSAS CITY PUBLICATION

* Volume 9 * Issue 7 *

* << YOUR KANSAS CITY USER FRIENDLY GROUP >> *

WE'LL LOOK FOR

YOU

AT THESE MEETINGS

| | |
|--------------|--------------------------|
| JULY 8 | Regular business meeting |
| JULY 22 | Problem solving workshop |
| AUGUST 12 | Regular business meeting |
| AUGUST 26 | Problem solving workshop |
| SEPTEMBER 9 | FALL SWAP-N-SHOP |
| SEPTEMBER 23 | Annual Picnic |
| OCTOBER 14 | Regular business meeting |

All meetings, workshops and the Swap-N-Shop begin at 2:00 PM and run two to three hours.

The gatherings are held at the ARTHUR MAG CENTER located behind the Midwest Research Institute off Cherry St. South of Volker Blvd. and Rockhill Road.

The annual picnic will be at the same location as last year: Macon Park, North Kansas City, MO. Time is not yet set but we will probably start at 3:00 PM. Bring a main dish and either a salad, a vegetable, or a dessert. Each family provides its own tableware as well as its own beverage.

INVITE A FRIEND WHO HAS A TI BUT HAS YET JOINED!

The BBS is no longer operating due to hardware problems. At our next meeting we will discuss whether to underwrite a membership to the Delphi network. We would use the BBS funds to finance the membership.

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Something modernistic -

```
150 AS$="00" :: FOR CH=48 TO 90 :: C
ALL CHARPA1(CH,CH$):: CALL CHAR(CH,
SEG$(CH$,1,4)&AS$&SEG$(CH$,7,6)&AS$&S
EB$(CH$,15,2)):: NEXT CH
151 REM
```

All normal characters have the leftmost column of pixels and the two right-most columns blank, for spacing between letters. We can widen the character into the left column -

Or perhaps even better -

```
150 AS$="00" :: FOR CH=48 TO 90 :: C
ALL CHARPA1(CH,CH$):: CH$=SEG$(CH$,
3,10)&RPT$(SEG$(CH$,13,2),2)&SEG$(C
H$,15,2)
151 CALL CHAR(CH,SEG$(CH$,1,4)&AS$&S
EB$(CH$,7,2)&AS$&SEG$(CH$,11,2)&AS$&S
EB$(CH$,15,2)):: NEXT CH
152 REM
153 REM
```

```
160 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=1 TO 15 STEP 2 :: A$=SEG$(CH$,J,1):: P=POS("01234567
89ABCDEF",A$,1)
161 AS$=SEG$( "0367CBEF",P,1) :: B$=SEG$(CH$,J+1,1):: P=POS("0246
BACE",B$,1):: B$=SEG$( "0367CBEF",P,
1):: CH2$=CH2$&A$&B$
162 NEXT J :: CALL CHAR(CH,CH$):: CH2$="" :: NEXT CH
163 CALL CHAR(74,"0000000000004C3B"
):: CALL CHAR(106,"0000000000004C3B"
)
```

I call this one "Spooky".

```
150 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: CH$=SEG$(CH$,3,14)&SEG$(C
H$,1,2):: X$=SEG$(CH$,1,1)&"0"
151 FOR J=3 TO 15 STEP 2 :: X$=I$&S
EG$(CH$,J,1)&SEG$(CH$,J-1,1):: NEXT
J :: CALL CHAR(CH,X$):: X$="" :: N
EXT CH
152 REM
153 REM
```

Or widen it both left and right -

```
160 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=1 TO 15 STEP 2 :: 161 CH2$=CH2$&SEG$( "0145B9CD",POS(
"01234567",SEG$(CH$,J,1,1),1)&SEG$(C
H$,J+1,1)&SEG$( "028A",POS("048C"),SEG$(CH$,J+1,1),1
),1)
162 NEXT J :: CALL CHAR(CH,CH2$):: CH2$="" :: NEXT CH
163 CALL CHAR(106,"0000000000004C3B"
)
```

And "Spooky" backward -

```
150 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=1 TO 15 STEP 2 :: CH2$=CH2$&SEG$(CH$,J,1)&SEG$(CH$,J
+3,1):: NEXT J :: CALL CHAR(CH,CH2$)
:: CH2$="" :: NEXT CH
151 REM
```

Or even a full 8 columns wide by just changing the "028A" in line 161 to "0129"

Now, clear the memory with NEW, then -

```
MERGE DSK1.100
MERGE DSK1.120
```

Add a line 500 GOTO 500

And start MERGEing in your series of "150" routines and running them to see what you have created.

Then, save these next routines in MERGE format as 160A, 160B, etc.

For darker characters, we can shade them into the 7th column -

```
160 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=2 TO 16 STEP 2 :: IF SEG$(CH$,J-1,1)="1" THEN CH2$=C
H2$&"18" :: GOTO 163
161 IF CH=67 OR CH=71 OR CH=99 OR C
H=103 THEN 162 :: IF SEG$(CH$,J-1,1)
)="4" AND SEG$(CH$,J,1)="0" THEN CH
2$=CH2$&"60" :: GOTO 163
162 CH2$=CH2$&SEG$(CH$,J-1,1)&SEG$(C
H$,J,1,1)
163 NEXT J :: CALL CHAR(CH,CH2$):: CH2$="" :: NEXT CH
```

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Or shade them both left and right -

```
160 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=1 TO 15 STEP 2 :: A$=SEG$(CH$,J,1):: P=POS("01234567
89ABCDEF",A$,1)
161 AS$=SEG$( "0367CBEF",P,1) :: B$=SEG$(CH$,J+1,1):: P=POS("0246
BACE",B$,1):: B$=SEG$( "0367CBEF",P,
1):: CH2$=CH2$&A$&B$
162 CALL CHAR(CH,CH$):: CH2$="" :: NEXT CH
163 REM
```

Or inward at right, outward at left -

```
160 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=1 TO 15 STEP 2 :: 161 CH2$=CH2$&SEG$( "0367CBEF",POS(
"01234567",SEG$(CH$,J,1,1),1)&SEG$(C
H$,J+1,1)
162 CALL CHAR(CH,CH$):: CH2$="" :: NEXT CH
163 REM
```

... Here's a weirdo -

Or shaded into both of the rightmost columns -

```
160 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=2 TO 16 STEP 2 :: 161 CH2$=CH2$&SEG$(CH$,J-1,1)&SEG$(C
H$/EBFF",POS("0246BACE",SEG$(CH$,J,1
),1,1):: NEXT J :: CALL CHAR(CH,CH
2$):: CH2$="" :: NEXT CH
162 REM
163 REM
```

```
160 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=9 TO 15 STEP 2 :: 161 CH2$=CH2$&SEG$( "0145B9CD",POS(
"01234567",SEG$(CH$,J,1,1),1)&SEG$(C
H$,J+1,1)
162 CALL CHAR(CH,SEG$(CH$,
1,8)&CH2$):: CH2$="" :: NEXT CH
163 REM
```

Try changing that to
FOR J=1 TO 7 and
CALL CHAR(CH,CH2\$&SEG\$(CH\$,9,8))

Up into all 8 columns -

```
150 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=1 TO 15 STEP 2 :: P=POS("0123456789ABCDEF",SEG$(CH$,
J,1,1)
151 AS$=SEG$( "0367CBEF",P,1) :: B$=SEG$( "0246BACE",SEG$(CH$,J+1,1
),1):: B$=SEG$( "0367CBEF",P,1):: CH2
$=CH2$&B$&B$
152 NEXT J :: CALL CHAR(CH,CH2$):: CH2$="" :: NEXT CH
153 REM
```

And one more -

```
160 FOR CH=48 TO 122 :: CALL CHARPA
T(CH,CH$):: FOR J=1 TO 7 STEP 2 :: 161 AS$=SEG$( "0246BACE",POS("0123456
7",SEG$(CH$,J,1,1),1):: B$=SEG$( "0
80B",POS("048C"),SEG$(CH$,J+1,1,1),
1):: CH2$=CH2$&B$&B$ :: NEXT J
162 CALL CHAR(D4,CH2$&SEG$(CH$,9,8)
):: CH2$="" :: NEXT CH
163 REM
```

Now, clear the memory, MERGE in 100 and 120, put in a holding line 500 GOTO 500 and start MERGEing in all of the different combinations of the 150 and 160 lines and see how many different character sets you can make!

Memory full.

Jim Peterson

* HINIS AND TIPS ASSEMBLY TUTORIAL #2

* FROM VAST 99 NEWSLETTER

* PRINTS (A) ACROSS THE SCREEN

```

*           DEF A
*           REF VBBW
A          LI R0,0
R1         LI R1,24100    LOADING THE LETTER A TO SCREEN IN LEFT CORNER
BLWP BVSBW
LI R1,1000   START OF TIME DELAY LOOP
DEC R1      DECREASE CONTENTS OF R1 BY 1

```

*THIS INSTRUCTION TAKES TWO BYTES

JNE \$-2 JNE MEANS JUMP IF NOT EQUAL.

LOOKING AT THE PREVIOUS INSTRUCTION CHECKS TO SEE IF IT IS EQUAL
*IF NOT IT GOES BACK TWO BYTES (\$-2) UNTIL IT REACHES EQUAL BEING (0)
WHERE

```

LI R1,72000   PLACES SPACE CHARACTER INTO R1
BLWP BVSBW
LIMI 2        ALLOWS INTERRUPT SO CAN USE QUIT KEY
LIMI 0        DISABLES INTERRUPT
C1 R0,76/     COMPARE IMMEDIATE THE CONTENTS OF R0 TO 76/
*CHECKS TO SEE IF WRITTEN TO LAST SCREEN LOCATION

```

```

JEW A        IF C1 IS EQUAL THEN JUMP TO LABEL A WHICH
*STARTS THE PROGRAM OVER

```

```

INC R0        IF C1 NOT EQUAL INCREASE VALUE IN R0 BY 1
*GIVEN THE NEXT SCREEN LOCATION

```

```

JMP A1       JUMP TO THE INSTRUCTION A1 WHICH LOADS (A)
CEND X1

```

```

END A        THE END DIRECTIVE FOLLOWED BY PROGRAM NAME
LOADING THIS WILL AUTO-START PROGRAM

```

II XBASIC WORDS

| WORD | LAST LETTER |
|-----------|-------------|
| ERAER | K |
| TENLLNU | E |
| SATE | I |
| UNFLALMUL | N |
| EPIRST | E |
| CITALLIN | T |
| RACHS | R |
| UNPE | N |
| EVAS | E |
| ENLCAEBCU | N |

LISTING WITH COMMENTS
(reprinted from Punn Newsletter)

Have you ever wanted to place comments on a catalog listing, especially when passing a diskette on to a friend. If you do not have Disk Utility 4 by John Birdwell, then try the following. Go crank up your Funnelweb disk and load up DM 1000. Now do these steps:

1. Go into DM-1000 and change the output device by pressing FCTN 3 at the main menu. You will need to change from 'PIG' to 'Diskn.filename'. As you don't want printer codes and you don't wish to save permanently, press 'N' at the option.
2. Go through the normal procedure to catalog a disk. Once the catalog is displayed, press FCTN 7 to print. However, instead of going to your printer, it goes to your Disk Drive, creating a DVMC file with the file-name you give it in step 1.
3. Go back to FunnelWeb and load in TI-Writer. Now you can add all the comments you wish to each line that is displayed in the listing. Be sure to turn word-wrap off (CNTRL U).

By using this method you can make your listing more informative to the person who will be receiving it. For example, programs related together can be grouped together regardless to their names.

THE NEXT GENERATION by Ted Holt, Wm. Carey College

The rapid-fire change of the field that I'm in, While welcome, still sometimes confuses. When I'm just settled in, to my great chagrin, Big Blue changes the words that it uses. These wondrous machines that we use every day I call personal COMPUTERS. Do you? That word's had its day. It's clearly passe. Now they're personal SYSTEMS (slash two). We've hoarded our data (much money we've spent) Since Hollerith's days of the card file. To tape it then went, on to floppies was sent. Then to Winchester disk, now called HARD FILE. A new way of moving the cursor came through. "A mouse!" we exclaimed. "Oh how nice!" "But wait," said Big Blue. "A rodent won't do. From now on, it's POINTING DEVICE." Think of the many fine dots on a screen. They're pixels, we all know quite well. Not so! Whether green, blue, or somewhere between, From now on each one is a PEL. Uh tv celebs, since Korea unseen, the whole truth tell, in plain English please: that new on the scene is not merely machine But the next generation in computercess!

Computerized translation of languages has a way to go. Bell Laboratories tested new software They entered the saying - "Out of sight, out of mind" into the computer for translation into Chinese. Then back to English. And what came out? "Invisible idiot."

(from INFORMATION, August 1, 1987)

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