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|---|---|---|
|  | <h1 style="margin: 0;">Northern Nevada</h1> <h2 style="margin: 0;">Ninety-Niners</h2> |  |
| Vol. 6 | OUTPOST | No. 6 |
| JUN | + JUL / AUG - NEWSLETTER | 1998 |

RE M I N D E R + R E M I N D E R

E N E X T M E E T I N G E

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M       T U E S D A Y       6 / 2 6 / 9 0       M
I       7 ' 0 C L O C K P . M .       I
N       R O U N D T A B L E P I Z Z A       N
D       W E S T 4 t h & V I N E       D
E       R E N O , N E V A D A       E
  
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R E M I N D E R + R E M I N D E R

~~~~~  
**I N T H I S I S S U E !**  
 ~~~~~

TIPS FROM THE TIGERCUB #5

Courtesy: Jim Peterson of Tigercub Software.
 Reprinted from CIN/DAY NEWS Jun, Jul, Aug, Sep '86

infoBITS

RAVE 99's new PE/2-B expansion chassis

SHORTBYTES (Type-in Program)

TRAIN - Scrolling graphic from P. Pelletier of Montreal, Canada via CIN 99 - Apr '86 Newsletter

NEW-AGE/99 - #5 & #6

Courtesy: Jack Sughrue



WORD HUNT

Theme: Disk Copiers

DISKS OF THE MONTH:

1. POP (VI.1) - Public Domain Music disk by Roman Majer / via Jia Peterson's TI-PD #653

2. SOUND EFFECTS - 17 Public Domain sound-effects programs from various sources / via Jim Peterson's TI-PD # 1120.1

Handwritten signature: Jia Peterson

4 N A F F A I R S !

MEETING MINUTES - 5/29/90

The acting-president, Jia Nuckolls, called the meeting to order at 7:03 P.M. at the Round Table Pizza parlor. 14 members were present.

OFFICER'S REPORT

The minutes from the last meeting, as stated in the May newsletter, was accepted and approved on faith... (Because it wasn't received in time. GGPS! -Ed.)

Jim Nuckolls reported to the group about the Officer's Meeting which was held two weeks prior at the home of Jerry Cohen. Several topics were brought up concerning the future of 4N. Foremost, was the question of dwindling membership. In an effort to help curtail any further drops in members, it was decided that:

1. All members of 4N should be brought to the same level regarding peripheral equipment so that those members without a full system would not feel left out and inclined to leave the group. To achieve this, 4N will purchase any necessary equipment from active and prior members, other user groups, garage sales, etc. Once acquired, the equipment will then be resold, loaned, or leased to those members not having a full-blown system.
2. A survey form will be given out at the upcoming meeting to find out who might require the use of extra equipment, and, at the same time, to discern the main interests of our members regarding programs, demonstrations, tutorials, and S.I.G.s.
3. Classified ads will again be placed in the computer section of the local newspapers to inform others of our Users' Group.
4. Other means of informing people of 4N will be pursued; including the use of posters and participation in local computer fairs.
5. Also, a new meeting place was discussed, one which would allow for the storage of our equipment. Jia will look into this matter.

As for meeting times, it was decided to maintain our present one until it becomes a problem with the majority of the members.

Our acting-program librarian, Jerry Cohen, reminded everyone about the two Disks of the Month to be demoed at

the end of the meeting. He also stated that the two program disks from the previous month would also be included at the special 50 cent rate.

The Newsletter Editor distributed samples of the June issue of Computer Buyer's Guide to the group, donated by Vulcan Publications, Inc. Also handed out was the aforementioned membership survey form to be completed and turned in at the next meeting. The main purpose of the survey, again, is to find out exactly which members have what in the way of hardware and software items so that 4N can better serve its members.

OLD BUSINESS

Nothing to report.

NEW BUSINESS

Bob Gastoni, a previous member of 4N, has expressed his intention to rejoin our group. Welcome back to the fold, Bob!

DISK'S OF THE MONTH

This month's double-disk offerings is intended to show-off the diverse capabilities of the TI Sound Chip:

Disk #1 -

POP (V1.1) - Public Domain music demo by ROMAN MAJER, Heidelberger Strasse 111, D7100 Heilbronn, West Germany.

This disk contains an Assembly language program of four very good pop-music selections, with graphics, on the following songs:

1. Aorada
2. In the Mood
3. Flohwalzer (Flea Waltz), and;
4. Charleston



Minimum system requirements:

- * TI-99/4A console
- * 32K memory expansion
- * 1 SSSD disk drive
- * E/A module (Funnelweb can also be used...Load FW. At first Menu screen, hit option 2 - E/A, then, pick option 3 - LOADERS. Next, choose option 4 - LOAD AND RUN. At the prompt, type in the drive #, then, POP (Enter))

Disk #2 -

SOUND EFFECTS - Public Domain Sound utilities disk. Contains 17 programs from various sources, including:

- A. MUSIC SYNTHESIZER by Scott Leman
- B. SOUND SHAPER by Steven Kaye
- C. SOUND EFFECTS #1 and #2 by TriCities 99ers
- D. SOUND CATALOG #1 and #2 by Russel Wilson
- E. SOUNDS OF SPACE by Jim Peterson
- F. CHURCH BELLS by Robert Davy (14 Yrs old)
- G. TI DRUMS by Daytona 99ers

If you want to learn how to use the TI Sound Chip, or just be entertained, this disk offers a great deal. Autoloads in EXTENDED BASIC.

Minimum system requirements:

- * TI-99/4A console
- * 32K memory expansion
- * 1 SSSD disk drive
- * Extended BASIC module

The featured disks above were purchased from JIM PETERSON's T.I. Public Domain Library. And they were only the tip of the iceberg! Jim's latest catalog is now offering over 400 disks of FAIRWARE and Public Domain programs, with subjects ranging from MUSIC (Chopin's Polonaise; Chuck Berry Tunes; Christmas Music w/Graphics), to EDUCATION (Flags of the World; Chemistry; Geography), to UTILITIES (Financial Programs; Disk Catalogers; Sports Programs), to GAMES (Assembly Games; Hamurabi Games; Adventures; QBert Games; Roadrace Games; Board Games), and much, much more!...

The price is just \$1.50 per disk, (postpaid if at least 8 disks are ordered.) Currently available for \$1 is the TI-PD Catalog #2, with Supplement #8, deductible with your first order. Make checks payable to: TIGERCUB SOFTWARE, 156 Collingwood Ave., Columbus, OH 43213.

You absolutely can't go wrong with this deal, folks!

BINGO

We had two lucky winners this week for the Colored-Printer Paper Prizes (Say that 3-times fast!!); David Belanger (regular Bingo) and Jim Nuckolls (blackout Bingo). Congratulations to the both of you!

CLOSING

The formal meeting was adjourned at 8:05 P.M.

Editor's Notes:

* First, This is going to be THE LAST NEWSLETTER... (AHHWW!) Until September, that is. (YAAAY!)

4N, in an effort to waylay some of the costs of publishing the OUTPOST, decided early in the year to take a break in the months of July and August. (That's GOOD NEWS to me...)

Remember, though, we will still be holding our meetings at the regularly scheduled times.

* Item two: Please, don't forget to bring in your survey forms which was handed out at last month's meeting.

* And, item three: I still have some sample issues of Computer Buyer's Guide available to those of you who didn't get your free copy at last month's meeting. Just ask for one at the next meeting... See ya there!

Texas Instruments still supports the 99-4A. The following is a list of telephone numbers for information and parts:

HOTLINE....(800)842-2737
INFORMATION.(800)747-1882
TECH LINE...(806)741-2663
PARTS DEPT..(806)741-2265



The OUTPOST is compiled with Will and Tony McGovern's FUNNELWEB (V4.21), Chris Faherty's TI-ARTIST Plus, Jack Sughrae's PLUS!(V2.0), and Ron Wolcott's TI PRINT SHOP(V1.5).

DOES YOUR SORTING ROUTINE ALLOW YOU TO ADD ANOTHER NAME WITHOUT RESORTING THE WHOLE LIST?

```

100 REM - SHORT SHOEHORN BY JIM PETERSON
N, TIGERCUB SOFTWARE
110 REM - THIS ROUTINE WILL INSERT A NAME INTO ITS PROPER PLACE IN A PRESORTED LIST OF N NUMBER OF M$(N) NAMES.
120 REM - TAKES 12 TO 14 SECONDS FOR A LIST OF 500
130 INPUT "ADD NAME":ADD$
140 J=0
150 J=J+1
160 IF J&N THEN 230
170 IF ADD$>M$(J) THEN 150
180 FOR L=N+1 TO J STEP -1
190 M$(L)=M$(L-1)
200 NEXT L
210 M$(J)=ADD$
220 GOTO 240
230 M$(N+1)=ADD$
240 N=N+1
    
```

IF YOU HAVE THE MEMORY EXPANSION AND ARE SORTING LONG LISTS, YOU MIGHT FIND THIS FASTER:

```

100 REM - LONG SHOEHORN BY JIM PETERSON
110 INPUT "ADD NAME":ADD$
120 L=FAST=0
130 MOST=N
140 IF ADD$>M$(1) THEN 170
150 D=0
160 GOTO 280
170 IF ADD$<M$(N) THEN 200
180 M$(N+1)=ADD$
190 GOTO 320
200 D=INT((MOST-L-FAST)/2)
210 IF (ADD$>M$(D))*(ADD$<M$(D+1)) THEN 380
220 IF ADD$>M$(D) THEN 250
230 MOST=0
240 GOTO 200
250 L=FAST=0
260 D=0+INT((MOST-L-FAST)/2)
270 GOTO 210
280 FOR J=N+1 TO D+2 STEP -1
290 M$(J)=M$(J-1)
300 NEXT J
310 M$(D+1)=ADD$
320 N=N+1
    
```

PAT SATURN, EDITOR OF THE SPIRIT OF 99 NEWSLETTER OF THE CENTRAL OHIO NINETY-NINERS, GAVE ME THIS TRICK FOR MAKING THE COMPUTER GO ABSOLUTELY CRAZY. TYPE 100 REM AND THEN HOLD DOWN CTRL AND U WHILE THE COMPUTER RUNS THROUGH 4

(CONT.)

LINE AND STOP; OR IN EXTENDED BASIC, TYPE 100 ; AND DO THE SAME FOR 5 LINES. ENTER. TYPE 100 AGAIN. PRESS FCTN AND DOWN-ARROW. WHEN THE COMPUTER FINISHES PRINTING RANDOMIZC, START PUSHING ANY KEYS AND SEE WHAT HAPPENS!

MORE TIPS FOR BEGINNERS:

TO GET THE COMPUTER TO READ THE CALL KEY INPUT AS UPPER CASE LETTERS, EVEN IF THE ALPHA LOCK IS UP, JUST USE KEY-UNIT 3 : CALL KEY(3,K,ST)

TO GET THE COMPUTER TO HOLD 24 LINES OF TEXT ON THE SCREEN WITHOUT JUMPING THE FIRST LINE OFF THE TOP - JUST PUT A SEMI-COLON AFTER THE 24TH LINE.

YOU DON'T HAVE TO RESTORE ANYTHING WITH THE RESTORE STATEMENT. IN OTHER WORDS, YOU DON'T HAVE TO READ A DATA STATEMENT BEFORE YOU CAN RESTORE IT. YOU CAN WRITE YOUR PROGRAM TO OPTIONALLY OR RANDOMLY RESTORE ANY ONE OF YOUR DATA STATEMENTS AND THUS TO BEGIN READING DATA FROM ANY ONE OF THE DATA STATEMENTS.

IF YOU HAVE THE EXTENDED BASIC MODULE, WHY NOT LEAVE IT PLUGGED IN AND SELECT THE EXTENDED BASIC OPTION EVEN WHEN YOU ARE PROGRAMMING IN BASIC? THIS WILL ALLOW YOU TO TYPE 5 LINES ON A LINE NUMBER, WHICH WILL STILL RUN IN BASIC (UNLESS YOU PUT TOO MANY SHORT ITEMS IN A DATA STATEMENT), AND THE EXTENDED BASIC OPTION WILL ACCEPT INPUT OF YOUR PROGRAM LINES MUCH FASTER, ESPECIALLY WHEN THE PROGRAM GETS LONG. IT ALSO ACCEPTS CHANGES AND DELETIONS MUCH MORE QUICKLY, AND IS ESPECIALLY USEFUL WHEN YOU WANT TO DELETE A LARGE NUMBER OF LINES. IT WILL QUICKLY TELL YOU HOW MUCH MEMORY YOU HAVE LEFT WITH THE SIZE COMMAND (BUT YOU'LL HAVE MORE IN BASIC) AND WILL BRING YOUR REJECTED INPUT BACK TO THE SCREEN FOR CORRECTION, WITH FCTN 8. IT WILL ALSO RUN YOUR PROGRAM, IF YOU STAY AWAY FROM CHARACTER SETS 15 AND 16, AND WATCH THOSE DOUBLE COLONS.

ALMOST OUT OF MEMORY, SO
HAPPY HACKIN'

Jim Peterson
JIM PETERSON





~~~~~  
W-AGE/99 \* NEW-AGE/  
99 \* NEW-AGE/99 \* N  
EW-AGE/99 \* NEW-AGE  
/99 \* NEW-AGE/99 \*  
~~~~~

* by JACK SUGHRUE, Box 459, East Douglas, MA 01516 *

#5

Anyone in the TI World owning a disk system at least a month and has not yet contacted Jim Peterson at TIGERCUB Software is certainly leading a severely deprived life.

Jim has the largest collection of stuff at the cheapest prices possible for our amazing 4A. He couples this "best for the least" business with a fantastic knowledge of the machine and a kind, generous spirit. No one knows the BASIC and XB workings of the TI better than Jim. He is an expert in everything!

Mr. TI, as he is known by his thousands of admirers, seems to take to his computer the way Jean Henri Fabre took to ants. He is meticulous and creative and understands the soul of the 4A. I'm still in awe of his skills and dedication and influence.

There is no one in the entire TI World (unless he or she has been hiding under a rock since the 70s and has just been handed a machine) who has not felt the influence of this mild-mannered, modest man.

I've come across hundreds of programs with his fingerprints on them: programming enhancements and tools he has given to us. For years Jim gave newsletter editors free tutorials called "TIPS FROM THE TIGERCUB" which were (and are) so jampacked with wonderful programming goodies that it is hard to imagine what TI life would have been without this marvelous source. He still sends these "CARE" disks to sharing newsletter editors. He has also written the ultimate tutorial on programming in the form of subprograms that can be easily merged into any XB program (including a subprogram that makes BASIC programs into XB programs). These loaded disks of subprograms (called NUTS & BOLTS) can be purchased from him and readily used with your own or other programs. These Tigercub touches are what I see on almost every good XB program written for the TI in the past half decade."

Jim has also written so many programs for the Public Domain that we just take for granted that these kinds of programs have "always been there." They weren't. Until Jim gave them to us. There isn't a user group library in the world that doesn't have heaps of programs from Mr. TI.

He also writes numerous "commercial" pieces of software. "Commercial" only in the sense that they are for sale. They were low-priced and of high quality in the heydays of the 4A when everything was high-priced and too often of extremely poor quality. Years later, I still use a large number of his programs in school (SYNONYMY, MECHANICAL APTITUDE TEST, SCRAMBLE, SQUINCH (a fiendish word game), to name a very few). I wouldn't like to be without the other Tigercub utility and game programs I've enjoyed so much over the years (particularly the unendingly fascinating NUTS & BOLTS disks, which I had the honor of demo-ing at a recent computer fair. [I had the greater honor of meeting Jim at the great TI fair in Lima, Ohio.] The man's remarkable and is universally liked (which is remarkable unto itself).

[Jim's three NUTS & BOLTS disks (with a descriptively succinct manual/tutorial) are now only \$10 each. His five disks full of "TIPS FROM THE TIGERCUB", a newsletter editor's Godsend, are only \$5 each.

His 120 original programs (a refundable \$1 for the catalog) are now just \$1 each!]

Praising Jim's efforts on our behalf is not the purpose of this article. (It's just impossible to write about Tigercub without doing so.) The purpose of this article is to tell you about the latest goodies to come out of Tigercub. Jim, because of his huge number of TI contacts (without a doubt more than anyone else in the world), has been able to put together the largest collection of Public Domain and Fairware programs, files, and templates in existence.

This PD extravaganza can be dipped into by sending a refundable dollar for this catalog. (\$2 for both the Tigercub and TI-PD catalogs.) Within is an unbelievable world of goodies. A 4A maniac's paradise! At only \$1.50 per disk! Not per program. Per FULL disk! And that's postpaid!

These disks do not contain a pile of junk you'll never use, either. They are selected from the thousands Jim has in his library. And they are catalogued and sub-catalogued and regrouped.

An example: Interested in music? Those are the 600 series. What kind of music? Well, remember those great graphic/music combos of Sam Moore? 600 is a disk called "SAM MOORE MUSIC #1" (341 sectors). It has 11 super selections on it. But there is also a "SAM MOORE MUSIC #2" (343) and a 3 (348) and a 4 (337) before #604 moves to "BILL KNECHT HYMNS" (334) and so on.

You get the picture. You get a disk full of the kind of things you want and can use: educational programs, graphics, printer utilities, typing, health, you name it. Games are broken down into so many categories it's amazing. Three disks of just CARD games! All programs now run in XB and all come with Tigercub's famous Loader, forerunner of all the good loader programs found elsewhere. Jim has games broken down by specific type: "ROAD CROSSING GAMES", "KEYBOARD MANEUVERING GAMES", "Q*BERT GAMES", "FORMER COMMERCIAL GAMES", "EASY GAMES FOR KIDS", "KING KONG TYPE GAMES", "TWO-PLAYER JOYSTICK GAMES" (there are loads of one-player), "GERMAN GAMES", on an on, page after page.

There's even such esoteric stuff as "LIGHT PEN PROGRAMS (including a disk file which teaches you how to make your own light pen).

There are disks of programs about Chemistry; Hi-res Drawing; Physics; Children's Programming with Speech; Sorts, Scrambles & Searches; Auto-loaders; Calculators & Converters; Astronomy, Religious Programs. The list seems endless.

The catalog gives you the full listings of the files on the disk: "FINANCIAL PROGRAMS" (356 sectors) includes the following selections with authors where known: Amortization Schedule (M Holgers); and #2 (J Roche); Compound Interest (C Good); Estate Tax Securities (R Shumaker); Debt Calculator (K Romstedt); Financial Math (C Ehninger); Financial Statemnt Ratio Analysis (C Colton); Investment Analysis (A Robertson) AND 15 more!

Just the work and time involved in the collecting, reviewing, selecting, debugging, sorting, creating full disks, cataloguing, printing, and distributing must be incredible. To charge \$1.50 a disk is the greatest TI giveaway of all times.

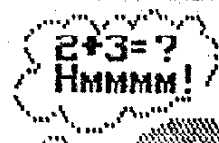
Order the catalogs today; then, after you wipe the drool off the table, order as much as you can to show Mr. TI how much you support his endeavors. TIGERCUB Software, 156 Collingwood Ave., Columbus, OH 43213.

[If you use NEW-308/99 please put me on your exchange list.]

NEW-AGE 99

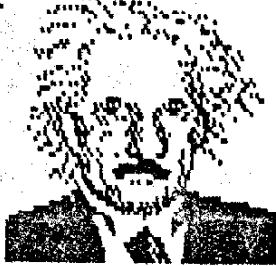
XXXXXXXXXXXXXXXXXXXXX
#6 PAGE PRO - PART 1

BY JACK SUGHRUE
Box 459
E DOUGLAS MA 01516



DESKTOP PUBLISHING FINALLY ARRIVED FOR OUR 99. THERE ARE MATURE COMMERCIAL AND FAIRWARE AND PUBLIC DOMAIN GOODIES ALL OVER THE PLACE. THERE ARE SO MANY, IN FACT, THAT IT IS QUITE IMPOSSIBLE TO KEEP UP WITH THEM.

BESIDES TI-ARTIST-PLUS, WHICH WILL BE REVIEWED SOME OTHER TIME, THERE ARE PILES OF INNOVATIVE PRODUCTS FROM COMPRODINE WHICH I'VE READ AND HEARD ABOUT BUT HAVE NOT YET EXPERIENCED. THERE ARE CSGO'S GREAT PROGRAMS AND NUMEROUS PUBLIC DOMAIN AND FAIRWARE PROGRAMS FOR BANNERS, LETTERHEADS, LABELS, AND SO ON.



YOU HAVE TO BE

TO FIGURE OUT SOME OF THESE PROGRAMS.

MANY OF THEM ARE SEVERELY LIMITED (THOUGH SOME LIKE GRAPHIC LABELER DO EXACTLY WHAT THEY'RE SUPPOSED TO IN A FANTASTIC WAY).



NOW THERE ARE A PAIR OF WONDERFUL TREASURES FOR ALL 99ERS WITH DISKDRIVES AND PRINTERS:

TIPS

(TI PRINT SHOP - PUBLIC DOMAIN PROGRAMS WITH A HUGE COLLECTION OF PIX)

& PAGEPRO

(FROM ASGARD, THE BEST PAGE MAKER AVAILABLE FOR THE 99 AND GENEVE)

RON WOLCOTT, WITH ABLE HELP FROM BARRY TRAVER AND OTHERS, HAS GIVEN TIPS TO THE TI WORLD FREE OF CHARGE (SEE YOUR USER GROUP OR CONTACT JIM PETERSON FOR THIS AND OTHER PD AND FAIRWARE GRAPHICS PROGRAMS). TIPS LETS YOU MAKE BANNERS, LETTERHEADS, LABELS, GREETING CARDS, AND MORE. WRITTEN IN XB, TIPS TENDS TO BE SLOW AND A BIT CUMBERSOME. YOU MUST PRINT OUT THE DOCS AND FOLLOW THEM CLOSELY TO USE THE PROGRAMS SUCCESSFULLY!



BUT IT TAKES A LITTLE TIME TO MASTER AND TO PRINT.

ONE OF THE MOST IMPORTANT ASPECTS OF TIPS IS ITS COLLECTION OF GRAPHIC ART FROM THE BIG BLUE WORLD. THERE ARE ABOUT 5,000 PIX NOW A PART OF THIS PACKAGE, WHICH INCLUDES PROGRAMS TO CONVERT TO TI-ARTIST AND PAGEPRO, AMONG OTHER ITEMS.

THIS REVIEW USES ALL TIPS PICTURES WITHIN THE SUPERB FRAMEWORK OF PAGEPRO.

WHICH, OF COURSE, BRINGS ME BACK TO THE TOPIC OF THIS REVIEW. THE DAY I GOT THE ORIGINAL PAGEPRO I WAS UP TO THE VERY WEE HOURS PLAYING WITH IT IN ALL KINDS OF INGENIOUS WAYS. WITH PP YOU CAN PUT ANY GRAPHICS (OVER 5,000 IF YOU HAVE TIPS) ANYPLACE ON YOUR PAGE. YOU CAN TYPE OVER OR INTO THESE PIX (AS IN THE TOP AND MOON PIX). THE ORIGINAL PERMITTED 28 PIX PER PAGE. VERSION 1.5 ALLOWS UNLIMITED GRAPHICS BY SAVING PAGES FULL AT A TIME, ALONG WITH ALL TEXT.



Because of this saving method, PAGEPRO also permits an unlimited number of fonts per page:

Gothic 2 Sample, Script 1 Sample, TULO SAMPLE, etc.

If you've written your text on FUNNELWEB or any DV/80 textfile maker, you can easily import that text into your PAGEPRO pages, though personally, I find it just as easy to type right onto my pages and place the graphics (TIPS) and borders and fonts (PAGEPRO) just where I want as I'm going along.

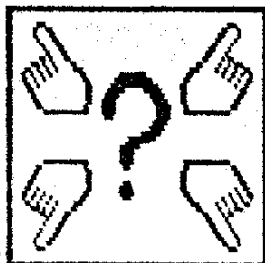
PAGEPRO is extremely user friendly. Of all the various pagemakers and semi-pagemakers I've used for the TI (and for some other computers), I've found PAGEPRO by far the easiest to use. The commands are mostly single keypress and FAST! If you have any kind of RAM capacity, the whole activity is almost instantaneous.

It's not one of those programs where you'll stop often for tea breaks while the program churns and mopes along.

The latest PAGEPRO also has some great improvements, such as cataloging from any cursor. For me, this was a... **LARGE** improvement.

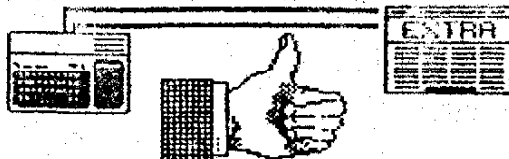
The columnizer that is part of PAGEPRO has been improved to auto indent and auto page number; two nice features.

Y s i
o t n
u i l
m l n y
a t y
u e



d a f c
i t o o
r e a r n v
c n r e
t y e i
i t a i
n i l e
n i n c

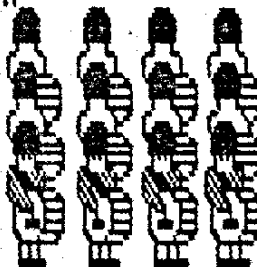
e e e



A
RATING

Typing in any direction let's you make quick borders, boxes, whatever, as well as puzzles and text patterns.

There are other neat changes in 1.5 regarding importing/exporting text, printing a page, and so on. But, basically, a great program was made even better.



So while the band's playing let me add that PAGEPRO does not stand alone.

Asgard also has PAGEPRO PICS of all kinds of pictures done in neat, thematic packages.

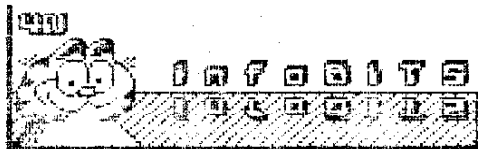
There is also PIXPRO which converts GRAPHX, TI ARTIST PIX & INSTANCES, RLE, PICASSO, MACPAINT, & PAGEPRO into most of the above formats. This is great even if you don't own PAGEPRO.

Also available are PP FONTS (a few of the 50 are shown on these two pages); PP TITLES (which are works of art unto themselves); PP UTILITIES (which allow some extraordinary manipulations of the graphics for all kinds of on-screen pasteups & designs.

PAGEPRO is a WYSIWYG ("wizzywig": What You See Is What You Get) program that more than lives up to its promise. It's the standard for TI as TI-ARTIST is for drawing.



(to be continued)



The latest product release from RAVE 99, the PE/2-B (Professional Expansion Chassis) is still the biggest news in the TI community and the opportunity to acquire one shouldn't be passed up, especially if you've been wanting to upgrade your tape recorder set-up but couldn't find a PCB, and you weren't exactly thrilled with CORCOMP's 9500 Micro Expansion System, either, mainly due to it's limitations.

This new expansion system is exclusively for the TI-99/4A Home Computer and includes the original 8 expansion slots, plus, it has a slot to accommodate the motherboard. *The TI's a dead computer... Why even waste*

the effort? It has 200 watts of power, enough to operate a full bank of expansion cards, and, is still able to run five disk drives (5 1/4" and/or 3 1/2", and/or Hard drives). *Get outta here! Five drives!* It also comes equipped with a keylock, reset switch, turbo switch, "power" LED, "Hard Disk" LED, and "Turbo" LED? *Not to shabby...* TI cartridges plug easily into the side port and its' operation is whisper quiet. *Wow, sounds pretty good!* Its' functionality, professional appearance and almond color will enhance any computer work area. *OK! So, where can I get one?* Comes complete with model 101 IBM style keyboard, including dust cover, and full documentation. *Alright, already! I want one! I want one!* To order, contact RAVE 99 Co., 112 Rambling Rd., Vernon CT 06066 or telephone (203)871-7824. Price - \$325. (Model PE/2-A is similar in design and replaces the original TI-Expansion Box. Price - \$275) Please include \$12.50 S/H for either model. Visa/Mastercard orders accepted. Please allow 4 to 6 weeks for delivery.



SHORT BYTES

```

100 CALL CLEAR :: CALL SCREE
N(2):: CALL MAGNIFY(3)
110 FOR I=1 TO 14 :: CALL CO
LOR(I,2,8):: NEXT I
120 CALL COLOR(12,2,13)
130 CALL COLOR(2,5,8,3,5,8)
140 CALL CHAR(96,"07070707
0707070000000000000000
0031010101000000FFFC7C7C")
150 CALL CHAR(100,"00000F0E
0E00306000000000FFDAEE0000
00007508FE0000000000000000")
)
160 CALL CHAR(104,"03030F0F0
F030303FF0000000000000000
F0000000000000000000000000")
)
170 CALL CHAR(108,"C7FFFFFFD8
DF000000000000000000000000
FFFFFF00000000000000000000")
)
180 CALL CHAR(112,"070F1D3B5
6AEFE00FFBC7CFEEFE7E38FF3B7
CFEEFE7C300000000000000000")
)
190 CALL CHAR(116,"FF000000
00000000000000000000000000
00000000000000000000000000")
)

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200 CALL CHAR(120,"FF1800000
00000000000000000000000000
000000000000")
)
210 CALL CHAR(40,"003F3F27
2F272F00000000000000000000
FFF007F7F00000000000000000")
)
220 CALL CHAR(44,"00FCFCCE4
FCE4FC273F273F273F273F000000
FFFFFFFF7F7F7F7F5F5F7F7F")
)
230 CALL CHAR(48,"EFEFEFEFEF
EFEFEFECE4FCE4FCE4FCE4273727
3FFF0101000000000000000000")
)
240 CALL CHAR(52,"7FFFFFFF
C3C381EFFFFFFF00000000000000
FCFF800000")
)
250 CALL CHAR(56,"AAS5055AA
00AAS5"):: CALL COLOR(4,13,7
)
)
260 CALL CHAR(64,"2737273FF
01010000000000000000000000")
)
270 CALL CHAR(66,"7FFFFFFF
C3C381EFFFFFFF00000000000000
FCFF800000")
)
280 CALL CHAR(69,"7FFFFFFF
00000000000000000000000000")
)
290 CALL CHAR(72,"000000000
003F0F0F07070707070707070707
937C93FF000000000000000000")
)
300 CALL CHAR(76,"000000000
00FE0000000000000000000000")
)

```

```

FFFFFFFFFFFFFFFFFFFFFFFF")
310 CALL COLOR(6,7,8,7,7,8)
320 CALL CHAR(80,"FFF9393FF
9393FFC4C4C4C4C4C4C4C4")
330 CALL CHAR(88,"63232323FF
001C0000000000000000000000")
)
340 CALL CHAR(92,"C6C4C4C4FF
103000")
)
350 CALL CHAR(128,"000040303
07E3211400000000000000000000
00000000000000000000000000")
)
360 CALL CHAR(132,"307878300
00000000000000000000000000")
)
370 CALL CHAR(136,"00041E2F5
E7B30E0000000000000000000000
0C0E0C08000000000000000000")
)
380 CALL CHAR(136,"0101FFFF01
01FFFF010101010101010000FF
FF800000000000000000000000")
)
390 CALL CHAR(140,"01010101
1010101010101010101010780000
00000000000000000000000000")
)
400 CALL VCHAR(1,31,110,2444
)
)
410 FOR I=15 TO 24 :: CALL H
CHAR(I,3,122,28):: NEXT I
420 DISPLAY AT(11,1):"
F"
430 DISPLAY AT(12,1):" abc
defg()!+, HIJKL "
440 DISPLAY AT(13,1):" hi jkl
mnop-. /0169899MPOPO "

```

```

450 DISPLAY AT(14,1):" porss
twuv@ABCDE@BCDXYZI\ "
460 A$=RPT$( "xy",14):: B$=RP
T$( "yx",14)
470 D=0
480 CALL SPRITE(24,36,2,88,
200,0,15,25,140,2,104,204,0
,15)
490 CALL SPRITE(26,36,2,88,
800,0,15,27,140,2,104,83,0,1
5)
500 DISPLAY AT(15,1):A$
510 DISPLAY AT(15,1):B$
520 D=D+1
530 IF D>4 THEN D=1
540 CALL SOUND(9,-6,10):: CA
LL SOUND(9,-5,15)
550 CALL SPRITE(40,132,15,82
,36,-10,2):: FOR I=1 TO 10 :
: NEXT I :: CALL MOTION(40,-
1,18):: CALL PATTERN(40,136)
560 CALL SPRITE(20,128,16,1
04,36,0,1):: CALL SOUND(9,-7
,15):: CALL DELSPRITE(20)
570 IF B0=1 THEN 590 ELSE 50
=50+1 :: IF 50=50 THEN 50=0
:: B0=1 :: CALL SPRITE(20,1
28,16,104,36):: CALL SOUND(12
50,110,0,440,5)
580 GOTO 600
590 B0=0 :: CALL SOUND(1250,1
10,0,440,5)
600 GOTO 520

```



COPIERS



 GCKKQYGNZXYFOCBSSAMXW
 FLXNHLLOCRAPTRACEX
 ASMDAHNFVZWTBTALUBX
 SGYMNZNFSIIVRDSOZTF
 TRUTFVVKHMKLAYOHOCTPO
 CKGHWEQDTSGCFDRGRTEA
 OGTOSREKIGKUUHOGUFVS
 PJAUFDFDZHCTJFMRAIZ
 YMZSRBECARLULKBMIVRF
 CYLAFRDCCKOOSOBQJYDT
 TPKNNCKPJQPICWKYFFIR
 TOJDLCLKZPDONEZDRWIA
 ACCNBSITYPPBRVGVHIWF
 CKXSWGACCYABKARKEEAI
 YCIUJKOYYPCARDRIEYRD
 PIRZYPUBFDHTRFXFGHCC
 OUZPYFGWBLEBNIBBLERD
 CQOJYFOCMUOFQLJUMQZF
 WKWFVMNRETSAMYPOCBZY
 KKJUCYFOCKCARTXFBYEV

COPYMASTER
 TURBOCOPY
 RAPIDCOPY
 REDIRECT
 TRACKBACK
 FASTCOPY
 TRACKCOPY
 ULTRACOPY
 FLOPPYCOPY
 DMTHOUSAND
 KOPYKAT
 NIBBLER
 SUPERCOPY
 MASSCOPY
 COPYCAT
 ✓TRAPTRACK
 HOCOPY
 DISKMR
 QUICKCOPY
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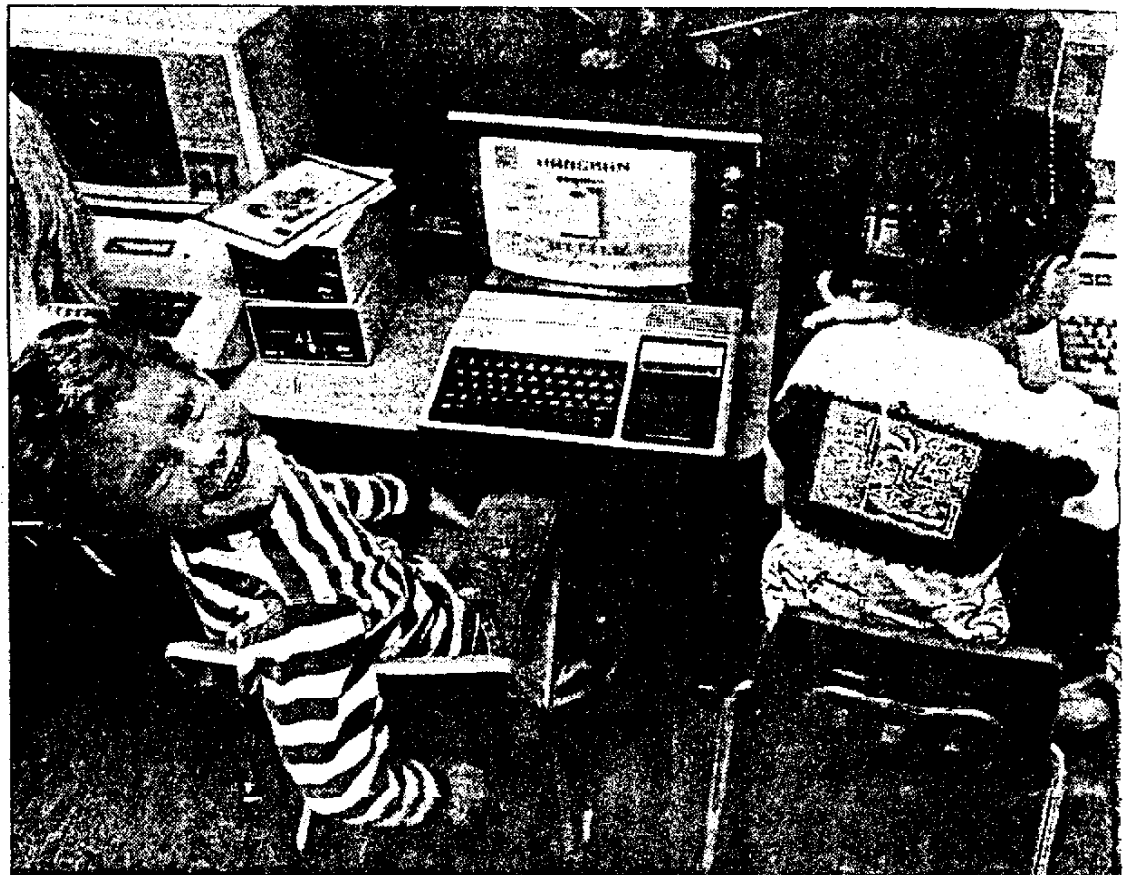
DIRECTIONS: There are 20 words hidden in the puzzle. You may find them horizontally, vertically, or diagonally. They may also be either forward or backward. Circle each word as you find them. One word has been done for you. GOOD LUCK! (Answers to puzzle found on last page.)

School Honored as Among U.S. Best

By GARY LIBMAN
 TIMES STAFF WRITER

A Chatsworth private elementary school where classes are small, students learn Spanish in kindergarten and nature walks are a regular part of the curriculum was the only California private school to win national honors this year from the U.S. Department of Education.

The 400-student Sierra Canyon School, located on six acres at the base of the Santa Susana Mountains, also is the only for-profit school to be among the 221 public and private schools to win the department's annual Distinguished School Award, said Dorothy Vuksich, deputy regional representative



MEL MELCON / Los Angeles Times

Derek Snyder, 7, works with computer in first-grade class at Sierra Canyon School in Chatsworth.

PUBLICATION NOTICE

The OUTPOST, is published monthly, except in JULY and AUGUST of each year, by the NORTHERN NEVADA NINETY-NINERS USERS' GROUP (4N), a non-profit organization, supporting the TI-99/4A and compatibles. 4N is not affiliated with TEXAS INSTRUMENTS or their subsidiaries.

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Please contact the Newsletter Editor when any missing or illegible copies are received. Back issues are still available for a small fee. Your comments and suggestions are always welcome.

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Term of office, 12/88 - 12/90.

MEMBERSHIP

To join the Northern Nevada Ninety-Niners, an annual fee of \$20.00 (\$15.00 for newsletter ONLY subscription) is due and payable on or before the last Tuesday of each January. Membership includes a monthly newsletter, access to the Program and Paper libraries, and S.I.G.'s.

The following color-codes are placed on address labels to serve as reminders to our subscribers/members regarding their active status with 4N:

GREEN highlight = Renewal fee due.
YELLOW highlight = Fee is 1 month overdue.
RED highlight = Fee is 2 months in arrears...
FINAL NOTICE!

PROGRAM LIBRARY

Disk programs are available from our library at the following rates:

SS/SD = \$2.00
DS/SD = \$4.00 (includes FLIPPIES.)
DS/DD = \$6.00

Send disk, self-addressed postage-paid return mailer and check or money order with your specific request to the Program Librarian's attention at the return address on the back of this newsletter.

DISKS of the MONTH

Two software programs on disk are demoed each month at the general meeting, announced in advance through the newsletter. These disks are available only to the active members at a discount of .50 cents each. To qualify for the special rate (normally \$2 each), they must be picked up in person during the evening of the demonstration. NO EXCEPTIONS!

PAPER LIBRARY

4N participates in an ongoing newsletter exchange program. Presently, we have over 25 users' groups on our mailing list. Active members are encouraged to check out these newsletters (maximum 6 issues) for a one month period, and on a first-come, first-served, basis. There is no fee charged for this service. However, members are expected to return them to the paper library, in the same shape as they were received, within the allotted period.

ATTENTION EXCHANGE NEWSLETTER EDITORS... Please send your newsletters to the address on the left +. THANK YOU!

S I G ' s

As the need arises by the membership for special instruction in order to develop the skills necessary for a particular software program or hardware item, a special interest group may be called upon by the President. This is not a formal meeting and is usually held at a member's home, where personal attention and instruction is readily given.

SUPPORT

4N supports the following vendors:

MICROpendium, P.O. Box 1343, Round Rock, TX 78680
TEXCOMP 1-818-366-6631
TRITON 1-800-227-6900
TEXAMENTS 1-516-475-3480
ASGARD 1-703-255-3085

4N also supports the FAIRWARE concept and urges others who have acquired and frequently use these particular programs to please REWARD THE AUTHOR for his work!

ADVERTISING RATES

Full Page - \$10.00 / Half Page - \$7.00

Quarter Page or Business Card - \$4.00

ALL RATES ARE FOR ONE ISSUE ONLY!

Present circulation - 54 (As of 5/29/90)

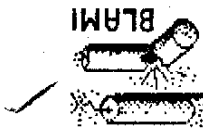
MEETING DATES

Unless noted in the newsletter, 4N general meetings are held on the last TUESDAY of each month, at 7:00 P.M., at ROUND TABLE PIZZA, West 4th and Vine St., Reno, NV. Visitors are cordially invited to attend!

F I R S T C L A S S

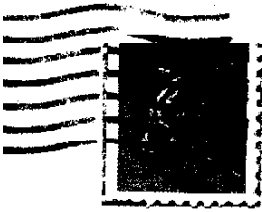


THIS WILL BE THE LAST NEWSLETTER UNTIL SEPTEMBER.



DALLAS TI HOME COMPUTER GROUP
ATTN: WALTER PEAKSUN
P.O. BOX 29863
DALLAS, TX 75229

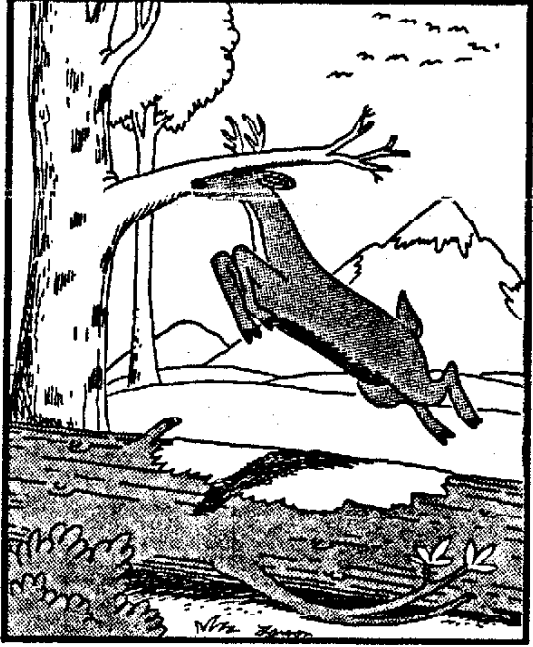
HAPPY 4th of JULY!



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C P D O P H R
S T Y P O O E P
A O Y P A O E P
K O Y P T R A O R O
P Y L N I B B L E R O
Y P O O M U F
R E T S A M Y P O C Y
Y P O O K C A R T



Nature scenes we rarely see

CANCER (June 21 - July 22): Don't feel worthless. You can always be used as a horrible example.

