NEWJUG 99ER'S NEWS

OCTOBER 1991

TRICK OR TREAT

Highlights!

NEWJUG 99ER'S UG
P.O. BOX 1463
SAYREVILLE, N.J.
08871-1463
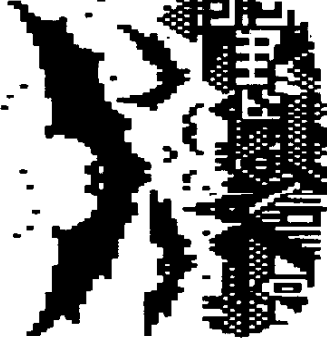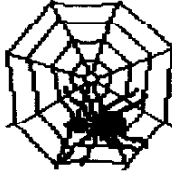
FROM:
NEWJUG 99ER'S UG
P.O. BOX 1463
SAYREVILLE, N.J.
08871-1463

Dallas TI Home Computer Grp
P.O. Box 29863
Dallas, TX 75229

NEWSLETTER EXCHANGE

The list of UG's continues to change. This month we've added the Lehigh 99ers to our exchange list. We look forward to hearing from any group wishing to initiate an exchange and encourage others to use this list for communication with other groups. If you know of any UG (not on our list) that would like to be on our exchange newsletters, etc. be very interested in the hearing from you via the comments and suggestions on the cover page.

Nittany Users of TI
625 Wiltshire Drive
State College, PA 16803

Lehigh 99er Computer Group
c/o Jack Zawadiuk
719 N 12th Street
Allentown, PA 18102

MANNERS
15106-A Fredrick Rd.
Suite 136
Rockville, Md 20850

Broward Computer Group
c/o Mark Wacholtz
2141 NW 64th Ave #15
Sunrise, Fl 33313-3950

CONNI
181 Heischman Ave
Worthington, OH 43085

N.W. OHIO 99'ers User Group
*First Church Unity
3535 Excutive Parkway
Toledo, OH 43606
Attn: Earl W. Hoffsis

Greater Akron 99er's
P.O. Box 3201
Cuyahoga Falls, OH 44223

Lima 99/4a Users Group
P.O. Box 647
Venedocia, OH 45894

Great Lakes Computer Group
P.O. Box 152
Roseville, MI 48066-0152

Milwaukee Area Users Group
4122 N. Glenway
Wawatosa, WI 53222

Siouxland 99er's
c/o Bob Doggitt
4606 Bluestem Circle
Sioux Falls, SD 57106

Chicago TI User's Group
P.O. Box 578341
Chicago, IL 60657

Kansas City TI99/4a UG
P.O. Box 12591
No. Kansas City, MO 66116

Dallas TI Home Computer
P.O. Box 29863
Dallas, TX 75229

North Jersey TI IBM UG
16 Judith Ann Drive
Ringwood, NJ 07456-1863

Central Garden State UG
61 Country Lane
Hamilton Square, NJ 08690

Q89er's User Group
c/o Frank Crotty
Queensborough Comm College
Bayside, NY 11364

LITI 99er's UG
93 Myers Avenue
Hicksville, NY 11801-2424

Twin Tiers UG
c/o R. Sass
97 Fir Tree Point Rd.
Rock Stream, NY 14878-9707

Pittsburg User's Group
Box 8043
Pittsburg, PA 15216

Erie 99'er User Group
2812 West 33rd Street
Erie, PA 16506

CLUB NEWS

BY D GRZSY N

Last month's issue was missing this column, mainly because I wasn't able to attend the August meeting. Some may say that's a blessing and not a misfortune (grin). I guess the most important news has to be the loss of our treasurer, Ben Davis. No, he didn't die; his employer transferred him to the state of Washington. The duties of the treasurer will be absorbed by our president, George Lytle until elections occur in December. For those who aren't aware of it, Ben was primarily responsible for our meeting place. The owner of the building assured us that we be allowed to continue to meet there. At the last meeting, we had a demonstration of an XB program written by Bob Heafelt. The demonstration, from the tracking stocks, was quite apparent that Bob knew this topic quite well. Hopefully his program will turn us all into easy stock owners. At the meeting the topic of a local type TICOFF was again brought up for discussion. One of the biggest projected obstacles has to be finding a place large enough to house this event.

Net99er HCUG
P.O. Box 534
Hurst, TX 76053

Houston Users Group - HUG
c/o R. Lumpkin
11613 Inga Lane
Houston, TX 77064

JSC TI99 User Group
c/o John Ouen
2321 Coryell Street
League City, TX 77573

The FRONT RANGER
P.O. Box 9572
Colorado Springs, CO
80932-9572

TI-S-Aves
3818 U.-6540 So.
West Jordan, UT 84084

Southwest Ninety Niners
P.O. Box 17891
Tucson, AZ 85730

Southern Nevada UG (SNUG)
P.O. Box 26307
Las Vegas, NV 89126-0301

LA 99ers Computer Group
P.O. Box 7746
Torrance, CA 90504

North County 99ers UG
P.O. Box 2500
Escondido, CA 92025

UGOC
c/o Earl G Raguse
17161 Edwards
Huntington Beach, CA 92647

WORDPLAY
The PUNN Newsletter
P.O. Box 15037
Portland, OR 97215

9T9 User Group
c/o Steve Mickelson
15 Karsdale Avenue
Toronto Ontario
CANADA M6M 1C9

B.C. 99er Users
c/o Ron Warfield
216 10th Ave
New Westminster, B.C.
CANADA V3L 2B2

99/4A AND 9640 VENDORS

Competition Computer
2629 W National Ave
Milwaukee,Wisc 53204
(800) 242-7902 in Wisconsin
(800) 662-9253 all others
Catalog #1

Comprodine
1949 Evergreen Ave.
Fullerton,CA 92635
(714) 990-4577 12-9pm PT

Computer Shopper
P.O. Box F
Titusville, Fl 32781

CorComp
2211-G East Winston Rd.
Anaheim,Ca 92806
(714) 956-4450

Digit Systems
4345 Hortensia St
San Diego,Ca 92103
(619) 295-3301 voice
(619) 278-3155 bbs

Disk Only Software
P.O. Box 244
Lorton, Va 22079
(Lorton) 340-7179

Geniel Computerware
835 Green Valley Dr
Philadelphia,Pa 19128
(215) 483-1379

Great Lakes Software
804 E. Grand River Ave.
Howell, Mi 48843
(517) 546-0566

Harrison Software
5705 40th Place
Hyattsville,Md 20781
(301) 277-3467

Hunter Electronics
4 N. 370 Pine Grove
Bensenville,Il 60106
(312) 766-9503

Inscebot Inc
P.O. Box 29160
P+ Orange, Fl 32029

Jim Lesher
722 Huntley
Dallas,Tx 75214
(214) 821-9274

Alboes Computer Supplies
6298 Hamilton Rd.
306 Main Street Village
Columbus,Ga 31909
(404) 327-4900

Asgard Software
P.O. Box 10306
Rockville, Md 20850
(703) 255-3085
Catalog Available

Bretz Computer Services
719 East Byrd Street
Appleton,Wisc 54911
(414) 731-3478
(414) 731-4320 after 6pm
Catalog #2

Bud Mills Services
166 Dartmouth Dr
Toledo, Ohio 43614
(419) 385-5946

CaDD Electronics
52 Audubon Rd.
Haverhill Ma 01830
(603) 895-3119

JOKE OF THE MONTH

As she lay in bed with her lover, the woman heard her husband come into the house. The lover jumped up, grabbed his pistol and hid.
"I know there's a man here!" the husband yelled.
He looked on He looked in the terrace.
"Not here." He looked in the bathroom. "Not here." He looked in the closet. "He's not in here." Finally, he went into the bedroom, looked under the bed, saw the man with the gun and said, "He's not under here, either."
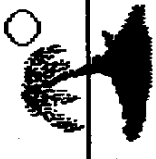
EDITOR'S FORUM

BY DAN GAZSY

This past month my thought processes were stimulated by an article written by Barry Traver in Computer Monthly (Oct 91). The article primarily addressed the topic of User Groups which serve more then one computer, namely the TI and IBM families.

Due to my job requirements, I use a computer 8 hours a day, 5 days a week. My usage is not limited to a particular type of computer, but is spread across three CDEC terminal, Data General terminal and a PC Clone). The percentage of use each one receives really depends on the current active project. While it would seem only natural for me to have a PC clone at home, I have managed to resist for 30 reasons. One was the price (no longer a valid argument). Second was my home needs did not warrant a more powerful machine than a TI99/4a. Had I not picked up "smell of the compiler for the machine (yes), I most likely would be using a PC in the house.

That the TI community has been slowly shrinking in size each year. The hopes of sustaining the TI community for shoulders of Myarc or Inc. A burden that appears to have been too heavy for any small company. Each year, a new face or that shows up on the scene to attempt to keep the TI blood floating. The latest Don't Neil and Gary Bowser. While it would be nice to think that all the ideas could be churned 3 merely original ideas, most likely they are available products of other machines, without the influences of other machines. I think that our community would have perished.

To those that are ashamed to admit that they use or own a computer other than a TI, stand up and be counted. In fact, contemplate a "show and tell" type meeting (about once every six months) where an individual brings in and demonstrate a piece of software/hardware for one of their machines. Sometimes this is all that is needed to stimulate an author to write/design something similar for the TI community. A prime example of this is MidiMaster 99.

I also have to agree with Mr Traver that the TI-IBM type groups do NOT work, nor should they be entertained as a means to keep membership counts up. If the proponents for the IBM style machine wish to shout the praises of "big blue" on a regular basis, let them do so at a SIG or meeting for IBM style users.

Well I think I've said my piece for this month, so I'll step down off the soapbox. Till next month...

COMING EVENTS

OCTOBER	NOVEMBER	DECEMBER

October 6

The Cherry Hill Computer Fair and Sale will be held at the Garden State Park (Racetrack). Rt+70 opposite the Holiday Inn. Hours are 10am to 4pm. For more info call Tri-State Fairs at (201) 533-1991.

October 13

Somerset Computer Fair and Sale will be held at the Ukranian Center Exhibit Hall on Davidson Ave. Hours are 10am to 4pm. For more info call Tri-State Fairs at (201) 533-1991.

October 20

North Jersey Computer Show and Fleamarket will be held at Aspen Mancr in Parsippany, Rt. 46 located six miles West, Willowbrook Mall. Hours are 10am to 3pm. Admission #8 Adults, Kids under 10 are free. More info Contact Alayne or Glenda at (800) 631-0062 or (908) 297-2526.

November 1-2

Chicago Int'l World Faire. Elk Grove Holiday Inn. Elk Grove Village, Ill. Contact Chicago TI Users Group, P.O. Box 578341, Chicago, Ill 60657.

Joy Electronics
P.O. Box 542546
Dallas, Tx 75354-2526
(800) 422-3892 in Texas
(800) 527-7438 all others

L.L. Conner Enterprise
1521 Ferry St.
Lafayette, In 47904
(317) 742-8146

McCann Software
P.O. Box 34160
Omaha, Ne 68134

Microperdium
P.O. Box 1343
Round Rock, Tx 78680
(512) 255-1512

Midwest Engineering
203 Arcadia Dr
Vernon Hills, Il 60061
(312) 362-6034

Myarc Inc
2624 Ranier Drive NE
Birmingham, Al 35215
(205) 854-5843

Not Polyoptics
P.O. Box 4443
Woodbridge, Va 22191
(703) 490-5543

Oasis Pensive Abacutors OPA
432 Jarvis Street
Suite 502
Toronto, Ontario
CANADA M4Y-2H3
(416) 960-0925

Pilgrims Pride
5 Williams Ln.
Hatboro, Pa 19040
(215) 441-4262

Program Innovators
4122 Glenway
Wauwatosa, WI 53222

Quality 99 Software
1884 Columbia RD #1021
Washington, DC 20009
(202) 667-3574

Queen Anne Computer Shoppe
6102 Roosevelt Way NE
Seattle, Wa 98115
(206) 522-6558

Remcharge Computers
6467 E. Vancey Dr.
Brookpark, Oh 44142
(216) 243-1244 evenings

Rave 99
112 Rambling Road
Vernon, Ct 06066
(203) 871-7824

Joe Ross
119 Knollwood Terrace
Clifton, NJ 07012

Tenex
P.O. Box 6578
South Bend, In 46660
(800) 348-2778
(219) 259-7051

Texaments
53 Center St
Patchogue, N.Y. 11772
(516) 475-3480
(516) 475-6463 bbs

Tex-Comp
P.O. Box 33084
Granada Hills, Ca 91344
(818) 366-6631
Catalog $2

The Bunyard Group
P.O. Box 62323
Colorado Springs, Co
80362-2323
(719) 488-2572

Tigercub Software
156 Collingwood Ave.
Columbus, Oh 43213
(614) 235-3545

TM Direct Product Marketing
1650 Broadway
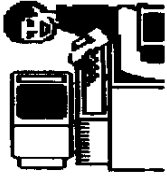Redwood City, Ca 94063
1-800-336-9966
Catalog Available

Triot Software
P.O. Box 114-A
Liscomb, Ia 50148

9640 News
c/o Beery Miller
5455 Marine Cove #1
Memphis, Tn 38115
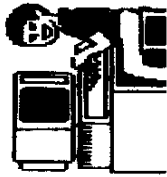
HACKING IN C99

BY
JOE ROSS

This month will be the first in a series of articles about learning how to program in the "c" language using the c99 compiler created by Clint Pulley of Canada. The target group that the series is being written for is the new c99 programmer who knows little or nothing at all about the "c" language and needs a little help to get started. The scope of the series is to explain the use of functions (routines) that are part of the "c" language, the structure and syntax of the language, how to create and run a c99 program using the TI 99/4A, how to use and create a library of c99 functions and how to create a single program image file (binary - Ed/Assm Option #5) out of multiple program relocatable files (Fixed Display/80 - Ed/Assm option #3). By the end of the series I hope I will have helped beginning c99 programmers to crawl through the "c" language. The programming you can learn for yourself. I recommend that you obtain a book on programming in the "c" language for additional information as this tutorial will not go into great depth on the intricacies of programming in "c". A very good book to start with is "C Programming Guide" by Jack Purdum and published by Que Corporation.

To create and run a c99 program you need the following:

Expanded 32K memory

Disk Controller

At least 1 ss/sd disk drive. (Addition drives and higher capacity drives are preferred)

A text editor such as the Ed/Assm editor, TI Writer with the word wrap disabled, or the programmers editor that comes with the Funnelweb environment.

Assembler program

Editor Assembler cartridge or Extended Basic cartridge with Funnelweb or like environment.

c99 compiler - a fairware package by Clint Pulley. It may be purchased from Clint for $20.00 US.

Clint Pulley
38 Townsend Avenue
Burlington Ontario
Canada L7t 1Y6

Before I start with any attempt at guiding you through the "c" language, I will describe briefly what the c99 compiler

---

does on the TI 99/4A and why it can be useful in creating fast and powerful programs.

The c99 compiler is a program which takes a text source file containing "c" programming statements as input and produces an output text file containing assembly language source statements. The assembly source file would then be used as the input file for the assembler which creates an executable object program which can be run with the Load and Run loader (option #3) of the Editor Assembler or #4 of the Funnelweb environment. In effect what is being done is to create a very fast assembler program using a high level language similar to BASIC. In addition to the added speed, c99 also allows you to add assembler statements in with the "c" source thus giving you access to all the utilities built into the TI 99/4A.

Next month I will discuss the structure and syntax of the "c" programming language.
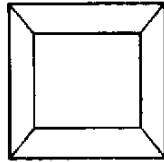
FRAME FONTS
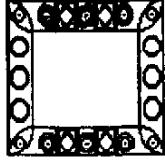
Are you looking for something to add a little pizazz to your page Pro creations? While nice line fonts will add some nice decorative line drawing capabilities, they will not give you those flashy thick frames that you sometimes want. Don't despair - there is a way to create them with a product called Frame Fonts.

Frame Fonts comes on two double-sided disks and contains 55 large fonts and 5 sample borders. The product is dependent on Page Pro (version 1.5 or later) to be of use to you, so you'll want to load Page Pro as your first order of business. All 55 of these border fonts use 8 keys (WERSD2XC) to create any border. To create a border template, press Ctrl 3 and enter the following pattern (be sure to use capital letters).

```
WEEEEER
S     D
S     D
ZXXXXXC
```

To view each of these 55 patterns, simply load each font as an alternate large font (Ctrl A,3). Match the border pattern you wish with the frame font (Ctrl 7). Now you've created a picture by clipping it (Ctrl 7). Now you've created a border which can be treated as a picture and still make use of the large, small and line fonts of your choice.
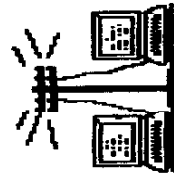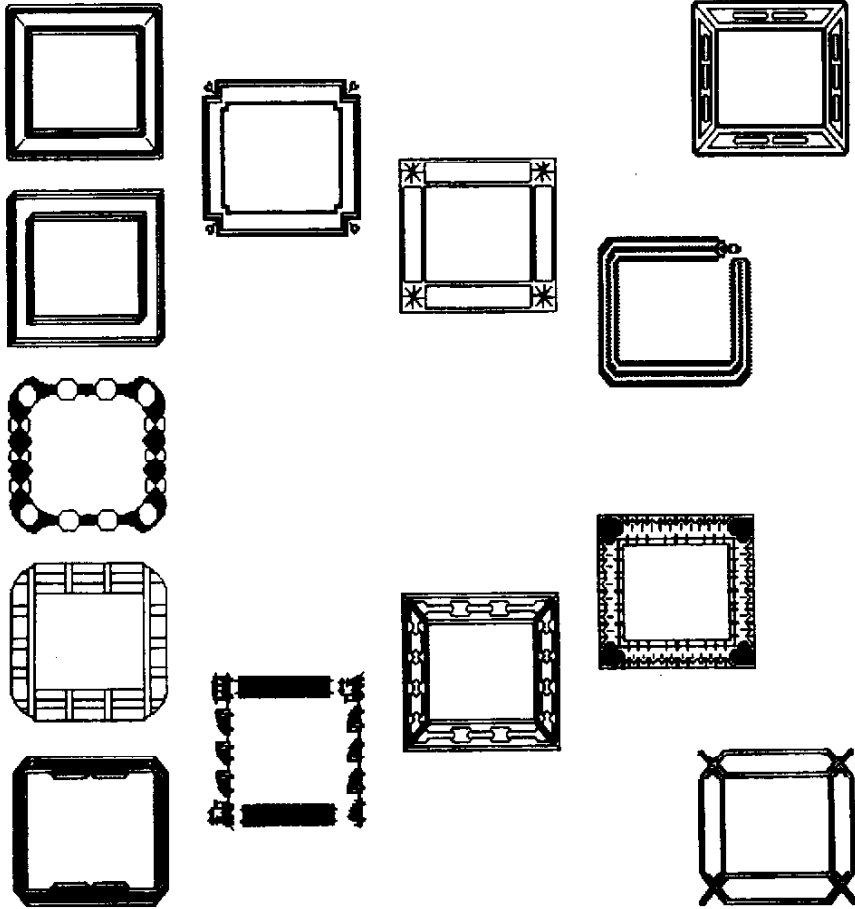
In case you hadn't noticed, the title page of this newsletter makes use of these Frame Fonts. I decided it was

BBS SCENE

BY DAN 6AZSV

GEME

This month we've got a lot of territory to cover, so sit down in a nice comfortable chair, get yourself a tall cool drink, and read on.

This first topic is probably something that many a Geneve owner had totally given up. In fact, when I read the message, I had to read it a second time to make sure that I didn't misread the message!

```
17-SEP 20:45 9640 GENEVE
RE: GENEVE(Re: Msg 26377)
From: 9640NEWS
```

Cynthia, I have spoken with an individual in the past week that is putting together a manual to correct all misprints, unsupported features, etc. on the Geneve, and or things that were added. While this is not a technical manual, it will offer to the general Geneve person the inside of what is and what isn't. I've also got another announcement. GEME will be completed, and it will be done by me. I am working and trying to figure out how to support it and GEME while it's not implemented. It will be doable. GEME will contain a "hook" to allow some type of WINDOWS, and WINDOWS, all three can not exist any point in time. activity to continue, but with the design of GEME, MDOS, I already have the source, and the OFFICIAL D.K. from Myarc. It will be released in an upcoming issue of 9643 News, and as it stands now, some EXCELLENT subroutines of which I can not take credit, but were left unimplemented, to things. Mike Riccio wrote some bit of code right now. I have implemented and already added quite a more things to be right now, the perfect interface to GEME appears to be right now, the perfect interface to handle graphical environment software. The digitizing project I had going is now back on track (as would/will call this evening) and the structure of GEME would/will allow grabbing picture data and pulling it into a window for display.

Anyways, after having spoke with Lou, GEME will be released as a free-be to the Geneve Community via 9640 News. All indications I got from Lou yesterday indicated, repairs are coming along and being made by Lou himself (the reason for the slow repairs). There is a discussion of the "last mailing" of software. I suspect I will be involved with this and could be

---

one thing to talk about a product, another to make use of it.

There is one thing you'll want to do for future reference and that is to make sample clips of each available frame font. If you are interested in purchasing the product from Media Ware, contact them at the following address!

Media Ware, Inc.
c/o Mark Wacholtz
2141 NW 64th Ave #15
Sunrise, FL
33313-3950

I've included a few samples of the available border fonts at the bottom to help you make up your mind.

something shortly (by year's end), but it depends upon Lou. The PSYSTEM will also be available per Lou shortly too. As far as additional news about MDOS releases I suspect we have seen the last software that Myarc will directly be release. Lou gave no indication that Paul was working on anything, and if it is personal and not Myarc related. Also, if you call TM Direct Marketing while they don't have HFDC's in-stock, Myarc is slowly shipping them units. Lou said that TM only had 4 orders yesterday for cards he shipped about a week earlier. I learned today from a friend that he just received this today. It sounds like that if you want one, you will have to pay the higher $$$, and wait for about 3 to maybe 4 months like this friend of mine did.

ESD IDE HARD DRIVE

Many of the users who were patiently (or impatiently) waiting for ESD to finish their hard drive, haven't heard much news of late from Shane Truffer or Chris Pratt. This next message was left on Delphi by Jerry Coffey and gives me hope that ESD will market a product for us SOON.

26279 12-SEP 23:45 Hardware
ESD IDE Controller(s)
From: JERRYC   To: ALL

Shane Truffer and Chris Pratt turned up at tonight's meeting of MANNERS to show a prototype of the new IDE hard disk controller. It was a functional card (wire wrapped on a proto board and drove a Western Digital 342 meg drive with no problems. Virtually no software yet (the demo was a simple program that stepped the drive in to the last track and wrote a bunch of data, then parked the drive). Shane talked a bit about plans and it was clear he has been listening and thinking about the questions everyone has asked. First the card itself has a very modest chip count - about half of it was empty. They are thinking about 4 packages:
1) IDE HD controller plus 40 meg drive ($280 max).
2) high density floppy controller - 4 drives of 1.2 and/or 1.44 meg ($165)
3) IDE HD + FD controller plus 40 meg drive (less than $310)
4) IDE HD+FD plus 40 meg HD and floppy drive (less than $380).

--oops forgot to mention that 2) incudes a floppy drive --

Each card will be CRU address adjustable (so you could run several controllers in the same Pbox). The high density format is not guaranteed to be readable on current controller since it will be using the latest NEC 765 - style chip. So you could have your current floppy controller, an HFDC, and several ESD controllers in the same Pbox.

They are also thinking of multiple DSRs and a scheme to detect the type of host machine so they can be run from a 99/4A or 9640. There were lots of suggestions and a lot of

give and take ...

All in all, a very interesting evening!
                Jerry

JP Software

From the tone of the following messages, it appears that there has been some progress with Jerry Coffey's attempt at being an alternate source for JP Software titles. With a bit of luck, Jerry will be in business before long.

26390 17-SEP 22:30 General Information
RE: NEW (Re: Msg 26384)
From: JERRYC

Just got masters for v 1.02 of GEN-TRI from Wayne Class one disk). I will start setting up the new manual tomorrow and expect to have some stock in hand by next week. I have also started up some other packages, but need some info from Peter (hard to reach as ever). Expect another announcement sometime next week.

26405 18-SEP 22:58 General Information
RE: NEW (Re: Msg 26395)
From: JERRYC

I have the code for PCTransfer, PCT utilities, HyperCopy, IDentiFile, and MAC FLIX, but don't have a supply of manuals of the stuff to make new ones. I am using the new version of GEN-TRI now and printed camera copy for the manual today - (still one minor bug to fix).

Digitized Sound

It seems as though there will be some competition in the Digitized Sound field. The first two messages come from Barry Boone concerning some new games/products and the second is a press release from OPA/Don O'Neil.

26226 10-SEP 22:35 9640 GENEVE
RE: 9640 Educational Ports (Re:
From: BBOONE

Look for 1 educational video game release...as an experiment. (also look for the other games..to be video games, some with almost nervewracking play speed!?)

<grin> enough hints for now!

26252 11-SEP 18:34 9640 GENEVE
RE: 9640 Educational Ports (Re:
From: BBOONE

I have software to play digitized sound effects (voices, music, etc.) on the 99/4A and Geneve...the quality of the playback is QUITE good (i.e. you'd hafta hear it to believe it!)... look for the release of "Sound F/X" by Chicago.

* * * * * ANNOUNCING * * * * *

DIGITAL SOUND
FOR THE TI 99/4A AND MYARC GENEVE!

NEW FROM OPA and Don O'Neil is the D I G I - P O R T
digital sound adaptor and player!
This unique cable plugs into your 99/4a's or Geneve's
PARALLEL port (TI, Myarc, or CC) and allows you to play
INCREDIBLE 8 BIT DIGITIZED SOUNDS from the IBM, MAC, AMIGA,
ATARI ST, SOUND BLASTER and many more!
The software supplied allows play-back of the sounds from 0
KHz to 80 KHz either through the supplied PIO adaptor cable
or through the 4a's built in 9919 sound generator (The 9919
plays sounds only at a 5 Bit accuracy, whereas the PIO
cable plays at 8 Bits accuracy). With a standard 4a you
can play up to 10 seconds of sound at 5Khz. BUT IF you own
a SUPER CART, 80 COLUMN CARD, RAMBO MEMORY CARD, 4a MEMEX
CARD, or a GENEVE you can play even longer sounds, up to 10
minutes and more!!!
Here is the available memory for the different system
configurations!

```
Standard 99/4a:       24K
4a w/ Supercart:      32K
4a w/ 80 Columns:     112K or 176K
4a w/ RAMBO/MEMEX:    0-16 Mb
Geneve:               Any remaining RAM
```

INCLUDED IN THE PACKAGE ARE:

1 PIO Adaptor Cable (requires external amplifier to hear sound)
1 Program disk with DIGI-PORT Software

1 Of the following disk configurations (Select for your
particular drive/memory capacity):

10 SSSD Disks containing 24K or smaller sound files
(Standard 4a) Part # DP01

OR

10 DSSD Disks containing 112K or smaller sound files (4a w/
80 columns) Part # DP02

OR

10 DSDD Disks containing 360K or smaller sound files (4a
MEMEX/RAMBO/GENEVE) Part# DP03

OR

10 DSQD Disks containing 720K or smaller sound files (4a
MEMEX/RAMBO/GENEVE) Part # DP04

ALL FOR ONLY $39.95 US Dollars!

Call or write to ORDER or for MORE INFORMATION!

ALSO AVAILABLE FROM OPA:
SOUND DISKS!!!!
CALL FOR INFO AND PRICING!

OPA
432 Jarvis Street
Suite 501-532
Toronto, Ontario
CANADA
M4Y-2H3
(416)-963-TITI

GEN-TRI SPELLCHECKER

Not only does Wayne Stith now have alternate distributor
for his products, he's also been making progress on the
spell checker which will accompany the product. I guess
when it rains, it pours...

25749 25-AUG 20:25 9640 GENEVE
Gen-Tri Spellchecker To: ALL
From: WAYNESTITH To: ALL

For those interested in the progress of Gen-Tri: The
spellchecker routines have been written and appear to be
functioning properly. At present they are a standalone
program which allows the user to add words to a dictionary
files of words even, and also expand the size of the
dictionary when on a hard drive. Just a wild guess, but I
expect that the expanded dictionary will be able to contain
over 100,000 words -- counting "eat" and "eats" etc. as
separate words.
What remains to be done is the testing of the expanded
dictionary (have to fill up the main dictionary first!) and
some interfacing with the Gen-Tri program. The completed
product will then be ready for mailing to patient
purchasers. They will get not only the dictionary but the
builder routine as well.
I thank those who have purchased Gen-Tri for having been
patient this long on getting the spellchecker for which
they have already paid. Until recently, much of this was
out of my control.

COMPOSITE TIM

25775 26-AUG 12:38 99/4A
TIM and Composite outputs
From: TINET To: ALL

One of the drawbacks of TIM when it was released was that
since it used the new V9958 from Yamaha it didn't have the
famous old features of the V9938 being MOUSE support and
COMPOSITE outputs. MOUSE support I don't think was a big
deal as most programs that supported the V9938 mouse also
supported the ASGARD serial mouse. But the COMPOSITE output
to many was a big deal, and this make ASGARD's EGI to some
better to the normal TI user without big bucks. But now
that has all changed.

TIM now can have both COMPOSITE and RF outputs and still be cheaper than the original price a builted-EGI unit from ASGARD.

The TIM goes normally with a V9958 chip and Analog RGB outputs plus the wonderful SOB and a 192K of VRAM for only $179, but to get COMPOSITE it was too hard, up until now!

OPA is proud to announce that the normal TIM can be plugged into a Amiga 500, A520 Mod. This little box about 4" by 1" when installed using the right cable, gives you nice clear picture on both color and mono composite monitors. Plus on the unit has AUDIO IN and VIDEO OUT, and its built-in RF output. The unit has AUDIO 80col is readable on all composite monitors and any good TV over 14" in size, and on old TV's over 20" in size. On some B/W TV's which have manual adjust of COLOR you can turn it into B/W for even a better picture of 80col, typing.

Now this sounds great, but the real ?'s come to mind, how much work is needed for the "right" cable and how much does it all cost, and where do I get a A520 MOD?

Well, first off the "right" cable will be explained in a next set of TIM docs to be sent all current owners of TIM, and of course included in any new TIM shipments. Plus we plan to v/1 the docs here online, that wonder how to install TIM before they plan their buying.

Anyhow, building the "right" cable is very simple if you can handle a soldering iron DIN plug (to get the AUDIO parts. The parts needed are a 5pin DIN plug plus a normal 25pin DB plus for the +12volts, GROUND, and COLORBURST) plus special 23pin DB plug for the CSYNC. Then all you need is a special 23pin DB plug for the A520 MOD, that's right a 23pin plug! Sources for these will be listed in the new TIM docs. Most mail-order part places stock them, plus TIM of course OPA in fact will include a A520 cable with TIM for only $25 bucks (mostly labor, as the parts and cable should cost no more then $10)

Now, besides the 23pin used on the A520 MOD, there is two addition "secrets", the pins outs of the A520 mod, which Amiga keeps close-mouthed about, and our own tricks to make it all work 100%. Plus the Pin-outs are fully detailed in the new TIM docs. Plus the following "COLORBURST" trick. Above you may have noticed the word "COLORBURST" when you talked about asked where does that come from... from the V9958 chip. Well it a techie terms to comes the TIM's V9958. This signal is used to make the COLORBURST around 3.58Mhz. This signal and RF outputs, 3 without the computers output! UGH! No TI would be all in the world of plain Black and White! UGH! The TI99 motherboard more expandable then thought, but TI signal from the V9958 is also on the old TMS9918, but TI only used in on some consoles to run the Sound chip, but they also allowed thru two jumpers to bring out the signal via the DIN-5 plug.

Jumpers! Yep, near the CIN-5 plug on the console is two

jumpers which control pins 2 & 5 on the plug which normally both are GROUND, one labeled VIDEO GND, and the other for +12volts (POWER GND). Now then what happens when we switched the jumpers to the other locations, well it happens that one is hooked up to the COLORBURST signal from the TMS9918 socket, which is in turn connected to the V9958 chip on the TIM board. So all we got to do is cut out the old jumper and connect in the new TIM docs.

As for the other "OPA" trick, well the A520 mod is designed for the Amiga 500 outputs which are a type of DC-coupled SVNC system, which means 3 will not work on the TIM outputs because they are AC-coupled. Oh dear more hardware needed to interface with it UGHI turned out in the end only a simple thing that needs to be added in fact common 3.3K to 4.7K resistor is all that needed coming out of the TIM board. On the back of the 25pin plug coming out a common resistor the cable side you just add the extra thing between the CVSCSVNC line and the +5volts found on the TIM board. You see we have thought of everything!

Now, that the Techie Part is all done with, back to where do we get this A520 MOD, and how MUCH does it cost. We have been buying, trying to locate a good source, but our Amiga dealers don't like selling them to people that don't own Amiges or at least bought Amiga's from them, then very strange. But don't fear, we have included in the new TIM docs some good sources in the STATES for the A520 mod, one of their direct from Commodore themselfs, I should have their Toronto number its 416-499-4292, and they should be able to tell you the closest Amiga dealer to you, all the they may think your strange but they should be at least able to tell the area, but they should be outside the Toronto non Commodore number for your area.

Enough about that. The price!!!!!!! Well, in Canada they sell for $50 Cank. bucks from Amiga dealers and prices I have from the states range from as low as $35 U.S. to as high as $80 U.S. so check around before you buy, and get the SRP from Commodore before you shop, as dealers that have the A520 MOD, since it is such a uncommon part try to sell it for whatever they can get for it.

NEWS FLASH........ NEWS FLASH........

From Bud Mills Services, for those that don't want to build their own fancable and have to search all over the states for a A520 MOD, Bud Mills is proud to announce a new addon for TIM, which converts the RGB to COMPOSITE just like the A520 mod using the same high-tech parts, but with one added feature, the parts on the new super addon are designed in such a way that the box just plugs all a snap into place on the part of your console grabbing all the signals needed from both the DIN-5 plug and DB-25 plug and pass.ng them right thru for future addons, plus converting then into composite and putting the composite back into the DIN-5 plug on the old pin, so that you can use your current monitor cable without any changes, just install TIM and add Bud's little blackbox, and your on your way in enjoying 80col text on your TV/monitor for the factor of

COMMENTS & SUGGESTIONS

the cost of a new RGB monitor.

Join the world of many happy TIM owners today......:...
Call Bud for more info on his wonderful new blackbox!

END OF NEWS FLASH.... END OF NEWS FLASH....

--=(Gary Bowser / OPA)=--
416-960-0925 8am-11pm EST/EDT

--=(OPA an "Authorized TI dealer")=--
416-963-TITI 24hours HOTLINE!

SUPER SOB

26246 11-SEP 12:51 Trading Post
RE: OPA (Re: Msg 26220)
From: TINET

I been thinking over the weeks of designing up such a
interface for the TI, which could be installed along with
other new programming stuff in the new Super SOB which has
24K of more space than the original SOB which just replaced
the TI GROMs 0/1 with our Micro-Manager. The new Super SOB
so far will have a Complete Disk Manager accessed via the
Micro-Manager windows/screens, plus also a powerful DOS
addition to TI BASIC to turn it into a command-like DOS
(MS-DOS) but with a twist, the power of BASIC around it
which would replace the BATCH-type stuff done is the MS-DOS
world, with a much more powerful system. New BASIC will
have direct commands for loading/running EA3,5 programs X/B
programs, and accessing catalogs, do copys, moves, deletes
of files, etc. Allowing anyone to design their own fancy
util's and auto-menu programs etc. We decided this would
be better then deleting TI-BASIC as that would only add 8K
to our free space so far looking at the planning, etc. Out
of the 24K it will be divided into three blocks of 8K, the
first containing the new Micro-Manager with the new DOS-like
manager functions, etc., the second 8K were we been
additions to BASIC, and the last 8K is a univ. printer driver.
thinking of adding things like a univ. printer driver,
etc. and other hardy things need for programmers to make
their programs more powerful etc. (we need input from
programmers on what they would like to see added to the
O.S.)

The old 4K extra space found in the original SOB that
replaced the TI OS, will be use for the E/A 3.5
loader/util's (2K), the 2K old micro-manager will be taken
up with more O.S. functions and links to the new 24K
space.

This does it for this month's column. Yes there were
other tidbits I could have thrown in to make the column
even longer, but your tall cool drink must be warm by now.
Till next month...