Newsletter Nine-T-Nine

March 1990 Issue

9T9 Meeting Dates:

Thurs., Mar.29

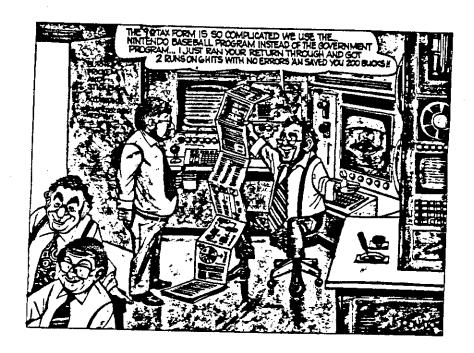
Thurs., Apr.26

Thurs., May 31

Thurs., Jun.28

USERS GROUP

FOR THE TI-99/4A COMPUTER



From:
9T9 Users Group
109-2356 Gerrard St.E.
Toronto,Ont.,M4E-2E2
Canada

USERS GROUP

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Thurs., Mar.29 Thurs., Apr.26

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NEWSLETTER EDITOR

Steve Mickelson 657-1494

MEMBERSHIP FEES

FULL MEMBERSHIP \$30.00 / year NEWSLETTER SUBSCRIPTION \$20.00 / year DISK-OF-THE-MONTH SUBSCRIPTION \$30.00 / year additional

All memberships are household memberships. An newsletter subscription is only for those who do not wish to attend meetings, but wish to receive our newsletter and have access to our library. You are welcome to visit one of our general meetings before joining the group. If you wish more information contact either our president, in writing, at the club address on the front cover or phone him or our membership director.

The meetings are usually held on the last Thursday of each month, unless stated otherwise. Consult this issue of Newsletter 9T9 for the date and time of the next meeting. Meetings are held at meeting room of Canada Remote Systems, 1331 Crestlawn Dr., Unit D, Mississauga, (Eglinton Ave./Dixie Road-Area), starting at 7:30 PM and ending at 10:30 PM. No meetings are held in the months of July and August. December's meeting usually takes place the second week of the month.

COMMERCIAL ADVERTISING

Any business wishing to reach our membership may advertise in our newsletter. The rates are as follows. (height by width):

FULL PAGE (10" x 7") \$50.00

HALF PAGE (5" x 7") \$25.00

QUARTER PAGE (2 1/2" x 7") \$15.00

Please have your ads camera ready and paid for in advance. For more information contact the editor. contact the editor.

Don't forget, that any member wishing to place ads, may do so free of charge as as long as they are not involved in a commercial enterprise.

NEWSLETTER ARTICLES

Newsletter 9T9 is published ten times a year by the 9T9 users group. Members are encouraged to contribute to the newsletter in the form of articles, mini programs, helpful tips, hardware modifications, jokes, cartoons and questions. Any article may be submitted in any form by mail or modem. We welcome the reprinting of any article appearing in this newsletter providing credit is given to the author and 9T9. If more information is required, call the editor. The name 9T9, Nine-T-Nine, Newsletter 9T9, Nine-T-Nine Users Group, and 9-T-9 Users Group are Copyright, (c), 1986, 1987, 1988, 1989 by the 9T9 Users Group, all rights reserved. and

DISCLAIMER

9T9 Users Group is an independent, non-profit association of Texas Instruments TI-99/4A and Myarc 9640 users, and is not a part of Texas Instruments or Myarc Inc. Opinions expressed in this newsletter are those of the writers and are not necessarily those of the 9T9 USERS' GROUP. 9T9 cannot assume liability for errors or omissions in articles, programs or advertisements. Any hardware modification or project is presented for informational purposes, and the author, newletter editor, and/or 9T9 Users Group cannot be held liable for any damage to the user's equipment. All such projects are done at your own risk!

CLUB BBS

The 9T9 Users Group sponsors the TI Tower BBS, (416)921-2731, 300/1200/2400 BPS, 24 Hrs. Sysop: Gary Bowser.







Tidbits

-By Steve Mickelson, President 9T9 Users Group Compuserve 76545,1255; Delphi SMICKELSON; GEnie S.Mickelson

Last Meeting...

Anyone attending last month's meeting, (and I understand a couple of members did brave the snow and ice), deserves a metal! It was the evening of the February meeting that Randy called me to report that the bad weather and resultant traffic led him to decide to call Canada Remote Systems and cancel that meeting. The newsletter for that month, however, was ready, as I had picked-up the eighty or so issues from Zippy Print, earlier. Hopefully this month's meeting will be a go!

March's meeting...

We will have the disk of the month featured, plus member Jiri Svoboda will bring the Multiplan Income Tax template for the 1989 tax year. The template will be made available from the club library.

Also featured at the meeting will be an updated menu software program for the RAMBO, for the horizon RAM disk with the addition of a new database program written by Cecil Chin for the Rambo. We had a look at the Assembly language utility at the last 9T9 Executive meeting and were most impressed with its speed and ease of use.

Ottawa Fest...

For our subscriber members, this will be the first and last notice you will receive regarding the TI Fest, as our April newsletter will be mailed out ontime...

Family Circus

(Downloaded from Delphi)

Name: 171> OTTAWA FEST ANNOUNCEMENT

Type: NEWSLETTER

Date: 18-MAR-1990 13:12 by REON

Size: 2120 Count: 1

Info on Ottawa FEST 1990

Keywords: NEWS, FEST OTTAWA APRIL 28 1990 ALL INVITED

Official Accommodations are at the Talisman Motor Inn, 1376 Carling Avenue, Ottawa, Ontario, K1Z 7L5.

Phone: (613) 722-7601

Rooms are \$69.50/night, single or double. (Remember that's in Canadian dollars!) When making reservations, PLEASE tell the motel staff that you are with the TI-Fest. Reserve by Mar. 31 to be sure of a room.

A hospitality suite will be available for our guests the evening of the 27th, and there will be a banquet on the night of the Fest.

THE OTTAWA T199/4A USERS' GROUP IS PROUD TO ANNOUNCE THE 5TH ANNUAL

CANADIAN TI-FEST

DATE: April 28, 1990

TIME: 9:00 a.m. - 4:30 p.m. PLACE: Merivale High School

: Merivale High School 1755 Merivale Rd. Nepean, Ont. (Ottawa)

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To reserve a table for the show, order dinner tickets, or for any additional information contact:

Ruth O'Neill 34 McLeod Street Ottawa, Ontario Canada K2P 0Z5

Phone:

(613) 234-8050 (home) (Please leave a message on

(Please leave a message on the machine during working hours.)

We are looking forward to welcoming TI and Geneve enthusiasts and vendors from all over! Come on out! This Fest will be a perfect opportunity to see a sampling of the latest, greatest and newest in hardware and software for the TI and 9640 computers.

Speaking about exciting software...

Club member Barry Boone, (what's that, you didn't know he belongs to the 9T9 users group?), already noted for various utilities has done what many programers said couldn't, namely written a GIF utility for the 99/4A with standard 99/4A video and display! Now all TIers without a 80 column card, (i.e. AVPC, Mechatronic or Geneve), will be able to enjoy viewing GIF's at their leisure, (see the article by Jim Horn regarding the Tuscon TI Fest for more details). I must congratulate Barry for this breakthrough, keep up the good work! If you would like to be the first TIer on your block, (you're probably the only TIer on the block (grin)), read the following...

ANNOUNCING NEW AND EXCITING WORLDS OF GRAPHICS FOR YOUR TI-99/4A!!!

Now available for IMMEDIATE release is the new GIF Picture Loader software by Barry Boone. This powerful software will allow you to tap into the tens of thousands of GIF pictures available from sources EVERYWHERE and convert them into the convenient TI Artist format for viewing and manipulation.

WHAT IS GIF?

GIF(Graphics Interchange Format) is a format for storing picture files that was developed by Compuserve so that various machines could exchange graphics.

Up until now, the only TI'ish machine that could deal with the GIF format was the Myarc Geneve. Now, any TI user who has one disk drive and memory expansion can take advantage of these pictures. GIF pictures can range in size from our 256- \times 192 screen size to 640 \times 400 to 1024 \times 768, or even larger... if you desire, this powerful software will automatically reduce even the largest GIF picture to fit on a 256 \times 192 screen... OR you may wish to simply window around the larger picture, looking at only one part of it at a time.

GIF pictures may also contain up to 256 colors out of a possible 16 MILLION colors!

Since the TI may display only 16 colors, the software has more than one method of deciding WHICH TI colors to use where... this allows you to find the color selection method that brings out the best details of your picture.

WHERE DO YOU FIND GIF PICTURES?

If you have a modem, it is as simple as calling a local BBS or a commercial system such as GEnie, Compuserve, or Delphi. GIF pictures are very popular among users of other computers, so BBS's that cater to other machines, or Geneve users, is the best place to find them. As TI users discover the GIF format, I expect the TI-oriented systems to begin filling with them rapidly.

If you do not have a modem, your user group is a good place to find them, or your friendly local Geneve user, or a friend with a modem... even a friend with another machine, such as an Amiga, or IBM PC...

The GIF Picture Loader software is available for \$15 plus \$2.00, (US Funds), shipping and handling. The address is:

BARRY BOONE P.O. BOY 1233 SAND SPRINGS, OK, 74063 U.S.A.

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Future updates will be available for the cost of materials, shipping, etc. (around \$4-\$5) and will enable you to CREATE GIF pictures, load and create Myart files, as well as other formats (like RLE).

IdentiFile

Identifile, from JP Software. Identifile creates floppy, hard, and RAM disk catalogs. The lists may be printed out or saved to disk. In addition, Identifile tells you the filename, the number of sectors, and file type, Identifile also tells you what each file actually is. What does that mean? It means Identifile can tell if a file is a MacPaint picture, a FirstBase dictionary, a TI-Artist font, a GRAM Kracker cartridge, a TI-Writer file, an Infocom adventure, an Archive, or any of over 50 different file types, in addition to the description provided by Identifile, the manual contains a more detailed description of each file type for reference.

Imagine being able to quickly scan though piles of disks and being able to immediately know what each file is! No more trial and error. No more guess work. With IdentiFile, you're ready to take on any disk!

Cost: \$15.00(U.S. Funds)

IdentiFile is available from...

DISK ONLY SOFTWARE, P.O. BOY 244, LORTON, VA 22079, U.S.A. OR CALL 1-800-736-4951 (U.S. & CANADA).

Identifile is also available in the TI NET Shopping area on Delphi.

Add \$1.00 for shipping, A credit card surcharge of 10% will be added to all credit card orders. DOS accepts, Visa, MasterCard and American Express.

PRODUCT ANNOUNCEMENT

TI NET Product Services is pleased to announce the availability of two new games for the Geneve 9640 computer from the publisher of 9640 News Diskazine.

BARRICADE

BARRICADE, is the first Advanced Basic Game written to use the graphic potentials of the Geneve 9640. It's a game centered around a three dimensional pit requiring objects to be moved along the 4 sides of the walls until they reach the bottom. Points are calculated based on the number of consecutive objects in rows/columns at the end of the game. Watch out for those Killer Blocks!!!! Note BARRICADE requires MDOS 1.14F or 0.96H or higher and Advanced Basic 2.99a

TETRIS

Tetris is similar to the other fairware releases of the game for the 9640 and TI-99/4A, but it goes further than any of the programs. Superior graphics is now available as Tetris uses the 9640's High Resolution Graphics. Multi-lingual support is available within Tetris. Use the Configure screen to set your default parameters for English, German, or Spanish. Other options are provided for direction of object rotation, speed, type of monitor (color or monochrome), and much more!

Also available from TI NET Product Services is the highly successful 9640 NEWS disk-magazine by Beery Miller.

9640 NEWS is the first disk-magazine devoted entirely to the Geneve 9640 and it's specific hardware and software. Reviews of Geneve specific software, hardware, along with tidbits of information relating to the architecture of the 9640 are routinely discussed. Also included in each issue of "9640 NEWS" is new software never before seen from games, data bases, and utilities. Editorials, question/answer sections, bug reports and anything related to the 9640.

9640 NEWS costs \$25.00(U.S. Funds) per volume for U.S. delivery, \$30.00(U.S. Funds) outside the U.S. Each volume consists of 5 issues. Volume one is available in its entirety with volume two now being issued. Specify what volume(s) you would like to receive.

Barricade and Tetris is available for \$15.00 (includes shipping and handling)

To order Barricade, Tetris and 9640 NEWS send your check or money order (U.S. funds) to:

BEERY W. MILLER 5455 MARINA COVE #1 MEMPHIS, TN 38115 U.S.A.

Credit card orders for all products may be placed in the TI NET Electronic Shopping area on Delphi or by calling the TI NET Product Services at 1-800-736-4951 24 hours a day or send your orders to P.O. Box 244, Lorton, VA 22079, U.S.A.

TI NET Product Services accepts Visa, MasterCard, and American Express credit cards. A 10% credit card surcharge will be added to your total order.

Of interest to HFDC users and prospective buyers... FORUM>Reply, Add, Read, "?" or Exit> 14511 9-MAR 22:14 9640 GENEVE

HFDC TAPE INTERFACE

From: SMICKELSON To: MYARC

Page 45 of the HFDC manual refers to the Myarc HFDC tape interface will be of the "QIC-02", (Ed. manual typo should read "QIC-20"), standard. Is this correct, or will it be able to interface with other drives? I know since the HFDC was introduced, the QIC-40 has become a popular and accepted standard in the lower price-range tape drive systems. I recently had the opportunity to install such a drive in an AT clone and find it's quite satisfactory system. (The drive I installed was Colorado Memory System's model DJ-10 which writes to a DC-2000 type of tape. Using non-compression back-up of 40 or 60 Meg.'s of data is possible. Using compression in software,

double the amount of storage capacity is possible. It took 20 min. to save just over 23 Meg's of data to tape and 12 minutes to write the same data back to the hard disk. It would be possible for someone to have only a 10 Meg. hard drive and fill that drive to near capacity with software, then in-turn save it to tape.

Then, clear the hard drive and load another 10 Meg. of new data, and in-turn save the data from the hard drive to tape and so-on up to the 60 Meg. capacity, (uncompressed), of the tape drive. The user can then access the tape drive much as one would a hard drive or floppie and move files/programs into the hard drive.

This particular drive sells for around \$240 for the 5-1/4" half height version. The question is whether or not we will be able to have these newer tape standard drives as an option for the HFDC? I mention this only with the thought that Myarc may yet have finalized the hardware/soft- ware interface for the HFDC streamer tape back-up, and hope they will consider verbose, suggestion. -Steve Mickelson 9T9 - Page 6

Enter FOLLOW for related Message(s).

FORUM>Reply, Add, Read, "?" or Exit> FOLLOW 14519 10-MAR 02:20 9640 GENEVE

RE: HFDC TAPE INTERFACE (Re: Msg 14511)

From: BIRDWELL To: SMICKELSON

You are correct about the QIC-40 being the current standard for streamer tapes. Yes, it will be used instead of the QIC-02. Since it interfaces through the floppy connector you will not be able to have it and 4 floppies (unless you install it only to do backups or add a switch to change the drive select between floppy and the streamer). The drives for QIC-40 are available through many sources while the QIC-02s are not. I have the Colorado Memories drives and will begin working on the streamer code as soon as Lou sends me some information.

I need in order to begin. I do not agree with your statement about putting backups from multiple disks on a single tape. This is meant to be a drive backup for a single drive not multiple. You will need multiple tapes to backup multiple drives. This only makes sense anyhow (at least to me).

Press RETURN for related Message(s).

FORUM>Reply, Add, Read, "?" or Exit> 14527 10-MAR 16:10 9640 GENEVE

RE: HFDC TAPE INTERFACE (Re: Msg 14511)

From: JERRYC To: SMICKELSON

I think QIC 40 works at floppy controller transfer speeds (a lot slower than necessary). QIC 02 (in theory) can run at hard disk transfer rates, but is a very old standard. I have been looking around at used equipment to see if there are compatible drives available. The only ones I have seen are high capacity units at several hundred dollars in used condition.

Jerry

Press RETURN for related Message(s).

FORUM>Reply, Add, Read, "?" or Exit> 14532 10-MAR 16:59 9640 GENEVE

RE: HFDC TAPE INTERFACE (Re: Msg 14511)

From: MYARC To: SMICKELSON

As of this time I do not know where the software stands but will down load the msg. and pass it along.

Press RETURN for related Message(s).

FORUM>Reply, Add, Read, "?" or Exit> 14533 10-MAR 21:20 9640 GENEVE

RE: HFDC TAPE INTERFACE (Re: Msg 14527)

From: COUNTERMAN To: JERRYC

I just priced a 150 meg Maynstream - \$1350. That is higher than floppy interface units, but those are hard to find in that capacity. Seems a shame not to use the QIC-02 interface as long as it is there. Maybe that is a moot point for those who only use a 2 0meg hard drive, but I am planning to put at least 130 megs on my BBS and I don't fancy backing that up with a 40 or 60 meg tapes at floppy speeds. It would be better than floppies, anyway, though.

In a somewhat related vein, I have a suggestion to anyone who is interested. Build an SCSI interface for the PEB. I'll be your first customer!!! I keep drooling over all these fast disks, CD-ROMS, worm drives, and erasable optical disks that are coming out for other machines. This card should preferably have a large or expandable cache and it's own CPU.

This is the main hardware area the TI and Geneve are falling behind in, IMHO.the new storage media.

-=bobw=-

Press RETURN for related Message(s).

FORUM>Reply, Add, Read, "?" or Exit> 14537 10-MAR 22:21 9640 GENEVE

RE: HFDC TAPE INTERFACE (Re: Msg 14511)

From: MYARC To

To: SMICKELSON



I have checked with the office and at this time it is my understanding that it will be QIC-40 now I do not believe it will be any compression but there are something we do as far as software and some they will do.

Now as far as time goes in saving and loading is all determined by software and CPU speed so hope this answers some of your questions. Now this is still somewhere in the future need to finish dos then get mdm5 working with this and run time pascal so we will do all we can to this end and thanks for your patience on this and we will finish.

Press RETURN for related Message(s).

FORUM>Reply, Add, Read, "?" or Exit>

14541 11-MAR 00:50 9640 GENEVE

RE: HFDC TAPE INTERFACE (Re: Msg 14533)

From: JERRYC

To: COUNTERMAN

SECOND your SCSI wish -- looks like a cheap route to a LOT of performance.

Jerry

FORUM>Reply, Add, Read, "?" or Exit> 14554 11-MAR 20:56 9640 GENEVE

RE: HFDC TAPE INTERFACE (Re: Msg 14527)

From: BIRDWELL To: JERRYC

The QIC 40 works st a transfer rate of either 250K or 500k depending on the system. I'm planning on trying for 500K if I can make it. The QIC 40 hooks up to a floppy controller but is controlled completely different, so you don't send it commands as you would a floppy therefore its not as simple as just connecting it.

Press RETURN for related Message(s).

FORUM>Reply, Add, Read, "?" or Exit> 14558 11-MAR 21:44 9640 GENEVE

RE: HFDC TAPE INTERFACE (Re: Msg 14554)

From: JERRYC To: BIRDWELL

500K wouldn't be bad at all -- the potential of a good floppy system is very good compared to some of the older hard disk systems.

Jerry

IN PRAISE OF EDITORS

By Ed Machonis

Have you hugged your Editor lately? Have you walked up to him or her and said, "Hey, I enjoy the newsletter, you're doing a great job." Or even, "I think you ought to....?" Or, as irate readers of other periodicals in another time have been known to do, waved a gun under his nose to make your point?

Today's Newsletter Editors face an even worse fate, OBLIVION. In many groups their name is not listed among the officers unless they happen to wear two hats. Their pleas (please?) for articles by the membership are ignored. Even, as in some cases, their requests for a replacement fall on deaf ears. It appears to be a job few are willing to tackle.

With good reason. While most of the other officers' work is centered around the meeting, the Editor's work goes on for most of the month. Searching for suitable material for the newsletter, typing articles, often writing articles themselves in order to fill the empty pages, formatting and printing the pages, having them reproduced, assembled and mailed. Quite a job.

Trouble is, it's never finished. No sooner is the issue in the mail, and often sooner, you've got to do it all over again. Like washing dishes, you're never done. Every month the newsletter's voracious appetite must be fed, month after month, and year after year.

Our esteemed Editor, Frank Cotty, wears two hats, President and Editor. Ask him, if you dare, which one he would like to give up. That's why, when we started our newsletter, I promised him at least one copier-ready article a month. It isn't always easy but it makes me realize what the rest of the job is like. Want to hug your Editor? Promise him or her an article, then deliver. Giving it a catchy title, like this one, will insure it being printed.

Now that I have the attention of all the Editors receiving this newsletter, a small caveat. Often, in the rush to assemble your newsletter, an author's name or the source of the article gets lost in the shuffle. Another Editor, picking up the article from your newsletter, has no way of knowing who the actual author is. More than once, I have seen my own work, and my son's, under someone else's name. Not a nice feeling. In all cases it was the result of a well intentioned mistake which

originated with someone else not crediting the article. The author's only pay is the recognition he receives, take pains not to cheat him.

As the exchange newsletter librarian, I get to read all the exchange newsletters as soon as the Editor has seen them. One of the perks of the job. It takes most of the month to get through a month's incoming newsletters, (nearly 100). Over the years I have gotten to know most of the groups quite well and almost feel like a member. I share your joy when you acquire new members, and your dismay when I see systems up for sale by well known members.

The rotten part of the job, is dropping a group from our exchange list. Our ONLY criteria for dropping a group is non-receipt of their newsletter for at least 3 months, not counting July or August. In actual practice it is nearly always at least 6 months and after several notices.

A pet peeve are the groups that apparently have decided, in secret, to discontinue exchanging with us. Wish they would let us in on the secret. A postcard would save dollars in postage.

Now and again, a group will notify us that they will no longer be publishing a newsletter. You can bet that group continues to get our newsletter for at least 3 or 4 months.





International Diversified Technologies, Inc.

2211-G E. Winston Road • Anaheim, CA 92806, USA (714) 635-1815 • Telex 9102400820 • Answer Back: IDT UQ

Name for Corcomp

Date: 21, 1990

Dear CorComp Customer:

Effective January 1, 1990, all warranty and out of warranty repair of Corcump products will be done through International Diversified Technologies, Inc.

Please call (714) 956-4450 to request information concerning repair services. The fee and producedure for cut of warranty repair will remain the same. All items being returned for service must have an RMA (Return Material Authorization Number). This number may be obtained by calling IDT.

When returning an item for repair, please return the product with the following:

- A check or money order for \$50.00 for the repair of the following products: PS232 card, 32K card, Triple Tech card, Disk Controller card, 9900 Micro Systems, Memory Plus cards or stand alone. All other CorComp products which are less technical in nature: PIO Plus and IBM Connection require a service fee of \$20.00.
- Written description of your system and the problem you are having with the product you wish to have serviced.
- Include your name, address, phone and time you can be reached should a technician need to talk with you.

All products are returned with a renewed warranty for an additional 90 days. Normal turn around time for repair is three (3) weeks.

IDT, Inc. 2211 E. Winston Road, Suite G Anaheim, CA 92806



"He's just mad because I won't give him a belly button"

HARDCOPY

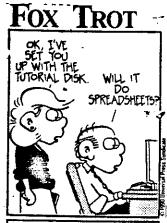
by Steve Findlay, 9T9 Users Group

First off, I would like to thank Bernie Roche for his generous donation to the club's book library. Bernie has given us 10 books and a few newsletters. He has moved up, (Ed. note up?), to an IBM clone and I guess he now needs room for all those complex software manuals. Many gratitudes, Bernie.

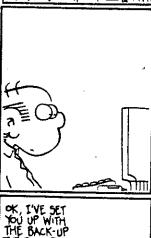
I would also like to thank Ron Warfield of the BC 99ers for the tip on my problem with the Picasso loader programme. He pointed out a part of the Editor/Assembler manual that applies to checksum errors.

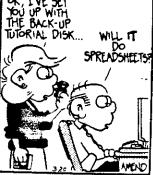
BINDER NO. 2

- * Instructions on how to build an interface circuit for a Tandy CM8 colour monitor to connect to a GENEVE or possibly one of the 80 column cards. (Sooner Oct 89)
- * The start of a new tutorial series that covers the FORTRAN programming language. (LeHigh Dec 89)
- * A TI Writer tip on how to make up and printout 132 column condensed print files. (LeHigh Dec 89)









by Bill Amend

* A tutorial on how to build the Zenoboard. You could say that this article came right from the horses mouth as it appears in the designer's home user group newsletter. (WestPenn - Nov 89)

BINDER NO. 13

- * A tutorial on embedding assembly language routines in Extended BASIC from the Brisbane user group of Australia. (FLUG Jul/Aug 89)
- * A conversion chart for 2 digit hexadecimal numbers to decimal numbers. Might be great for assembly language programmers that work with byte data.

(FLUG - Nov/Dec 89)

BINDER NO. 14

- * A copy of a letter from RAG software concerning a bug in the ".DR" command of TI Writer version 4.3. The correction requires the use of a sector editor. (Spirit 99 Oct 89)
- * An Extended BASIC game programme listing called "Vicious Circle". (Spirit Nov 89)
- * An Extended BASIC listing for a programme called Christmas Sing-a-long by Carl Schwerin. (Spirit Dec 89)

BINDER NO. 16

* The start of a new series of TI Base tutorials. The first part of the series explains how to display and print "DATE". Apparently, the TI Base manual states that this cannot be done. (TopIcs - Oct 89)

BINDER NO. 17

* Instructions on how to install a TMS 9928 Video Display Processor so that those that what a monochrome output for text activities can easily switch.

The TMS 9928 is piggybacked on the existing TMS 9918A so that colour output is still accessible. (BC 99 - Aug/Sep 89)

BINDER NO. 19

* A TI Writer printer code list for the Epson RX80 and the Gemini 10X. (QB Monitor - Dec 89)

BINDER NO. 21

- * A tremolo music listing example for those wishing to add a little "spice" to their music programming. (TI Focus May 89)
- * A TI Base command file that clears all the records out of a

BINDER NO. 5

- * A TI Artist Plus! review by Lucie Dorais. (Ottawa Dec 89)
- * An assembly language listing for a screen dump programme. (Ottawa Dec 89/Jan 90)

database without actually erasing the database itself. (TI Focus - May 89)

BINDER NO. 23

- * An Extended BASIC music programme that plays "Way Out There". (Slaves Dec 89)
- * An Extended BASIC programme used to calculate the amount of paint needed for painting rooms. Just enter the room dimensions and presto! (Slaves Dec 89)

BINDER NO. 24

* A printer setup and control Extended BASIC programme for the STAR NX-1000.

This programme looks good! Don't miss the follow up article in the June 89 issue. (Wordplay - Jan 89)

- * An Extended BASIC music programme called Dixie. (Wordplay Feb 89)
- * The listings for two very small Extended BASIC utility programmes. The first is for stripping LFs (linefeeds) and the second is for stripping CRs (carriage returns) from DV 80 files. (Wordplay Mar 89)
- * A tutorial and review of CSGD III. This programme is used to generate labels and letterhead graphics. (Wordplay May 89)
- * An Extended BASIC music programme listing called Moonlight Sonata. (Wordplay Jun 89)
- * A tutorial by Jim Peterson on programming music for the TI. (TICO Nov 89)

BINDER NO. 25

* A game map for the AtariSoft game SHAMUS. The map contains the first two levels only. (EAR - Oct 89)

BINDER NO. 26

- * A partial listing of Jim Peterson's public domain library. I have read nothing but good reviews of the software available in the library. (HUGgers Feb/Mar 89)
- * A two part article that contains a chart of Hayes modem commands. Could be handy for modem owners without manuals (like myself). (HUGgers Aug/Sep 89)
- * An Extended BASIC speech demo programme that uses CALL LOADs to execute. (Oxnard Jan 90)

BINDER NO. 10

- * An article on repairing Extended BASIC cartridges. (WestPenn Dec 89)
- * A Forth assembly language listing for floating point utilities. (WestPenn Dec 89)



- * An Extended BASIC programme called SnoopyXmas. (WestPenn Dec 89)
- * An article on sorting strings in TI FORTH. (PUG Nov 89)
- * An article on changing the TAB ruler in the FunnelWeb Writer from 0-79 to 1-80. (PUG - Sep 89)
- * An article on how to add inverse video characters to TI FORTH. (PUG Jun 89)

Another BBS Blast From The Past...

< < PUBLIC MESSAGE 2978 > > >

TO: CAL OBERG 78 10/13/87 FM: RORY BINKERD 103 20:32:46

SB: RE:INTERLACE

Cal, got a minute? I'll tell you all I know about interlace or interleave. Can't tell you what is best for you. Interlace refers to the way that the sectors are arranged on the disk. They are not numbered one right after the other. Instead they may be 1 5 2 6 3 Reason being that when the read head of the drive reads it's 256 byte (max) sector, it takes a little time to transfer data to the computer and come back to read the next sector. sector 1 had just been read and it was looking for sector 2, it would have to wait a full revolution untill it came around again. Because in the split second that it took to transfer the data, sector 2 had already slipped by.

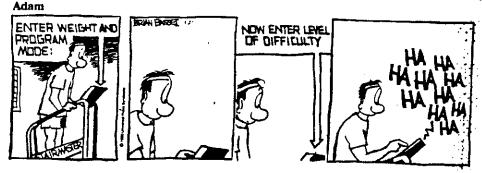
< < PUBLIC MESSAGE 2979 >>> TO: CAL OBERG 78 10/13/87 FM: RORY BINKERD 103 20:45:53

SB: RE:INTERLACE

So you see if the sectors are staggered on the disk with sector 2 being say 5 sectors away from sector 1, it may be possible to read the next sector on the same revolution of the disk. Of course, if the interlace is set so that the sector 2 is too close to sector 1, then the disk has to turn the whole revolution. If they are too far apart then the read/write function is wasting time. made it a little clearer and not confused you! I am a trifle confused myself,

Rory Binkerd, Sysop Dakota InfoNET OPUS 605 338 7050

'TIL NEXT TIME ... CALL LOAD(-31962,32)



Tuscon Report

Jim Horn, 19-Feb-90

(Note: The following was downloaded from Compuserve's TI Forum message database, from messages #5281,5282,5295 and 5308, and was edited by Steve Mickelson into this single article for Newsletter 9T9)

Although I had a real bear of a time both going to and coming from Tucson, the trip was worth the effort. The hit of the show was the news that Barry Boone was releasing a GIF package for the 99/4A.

They said it could not be done, and Barry had done it. Peter Hoddie said that he was "totally amazed" that it could be done at all, much less with the grace and style exhibited by Barry. Barry, ever the modest achiever, was mortified when he learned that the program he had been selling all morning of the first day of the show was NOT the program he had stayed up all night to produce before flying to Tucson. In his master copy, the one he had picked up in error, there was a "one bit error" (less than a two bit mistake?), Barry said, nearly missing supper as he chased down the many customers who had clamored for a "first day" copy.

The program can display "just about any" GIF. For those of you watching this go by without a clue, or with only a flicker of interest, I can sympathize. I too,

interest as GIF, which stands for Graphic Interface Format has continued to gather momentum.

The first reaction to the idea of computer enhanced and displayed pictures is often "so what?" However, GIF is faced with much the same situation that photography was in just a few more than a hundred years ago. This "camera" took a wagon load of volatile chemicals, some of which could spoil while others would

fire. People's eyes looked like they were zombies, and the result was in black and white, not a rich, colored picture as in oil.

Nevertheless, nobody told Matt Brady this would never sell, so he photographed the Civil War, and he is in history, along with that struggle.

Well, my confederates, Barry Boone's GIF program is your Appomattox. It is time to surrender, and get involved, with nothing more than your 99/4A, an expansion system, a single drive, and 32K with XBASIC. Barry is selling the program commercially, and can becontacted on TIFORUM.

J.P. Software, and Wayne Stith have been "mum" about the coming upgrade of TRIAD Triad for the 9640 to the Geneve version, but Peter Hoddie chose to talk at Tucson. "I am very excited about the forthcoming Geneve version of TRIAD" he said, and for Peter, that is saying a lot. Hoddie is working for Apple, and says that they are working him VERY hard. However, he does plan to sign on to TIFORUM "real soon now." We are looking forward to that.

Peter actually mentioned that Wayne Stith, EMB here, is racing against time to come out with the Geneve version of TRIAD, because he wants to get the package out before delay plagued "Press" from Asgard. To me, that was a very large hint that one part of the

<cough> TRIAD will be a very respectable word processor. Others,

while not telling me very much, have told me that they are extremely impressed, to include beta tester Jerry Coffey. I asked Peter if he felt it would "blow us Hoddie demurred, and changed the subject, but his entire posture indicated clearly to me that the value of your Geneve will soon be going up.

Asgard was there

Meanwhile, the Bobbitt engine chugs on, having introduced over 20 new pieces of software last year. In some ways, however, this all is overshadowed by the oft delayed "Press." With Bobbitt, Charles Earl, and Ruth O'Neal all up here, most members know the status of

"Press" as well as anyone. There is no news, for the record, other than the project is "still being worked on."

Chris had an atrocious time getting to Pheniox, and was hospitalized briefly with an infected inner ear that acted up on the airplane. However, Chris was spotted in animated conversation with another "Chris," and hopes are for a useful collaboration. This gent, new to the scene, apparently, is an Army man, Signal probably, and into Forth, and displays a refreshing intensity about the 99/4A and wants to do something for the console owner. With the time needed to get fairly straight forward products to market extending over a year in many instances, it is refreshing to see people thinking of designing and developing products that far out.

Of all the people I talked to, I found no one ready to say they were pessimistic about their own efforts or that they were cutting back on their future plans.

As I indicated, I did not get a chance to talk to Chris Bobbitt or see his talk, figuring I could catch up with him this week. Here is a run down of his activities at Tucson:

Asgard introduced and SOLD OUT of the new educational MODULE, called Edu Pak. Edu Pak is described up here in a file thoughtfully left by Asgard. We certainly appreciate the vendors who take advantage of the TIFORUM area to keep the membership informed here of their activities.

New Spell Checker

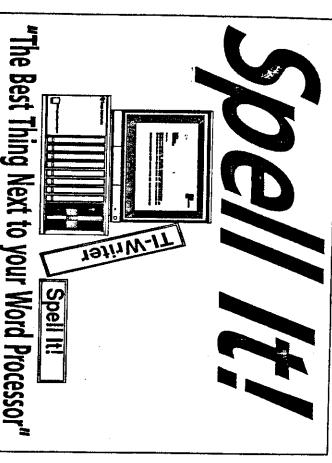
Another gang buster package that was introduced by Asgard is the "Spell It!" software. This is a FAST spell checker, with all of the features of modern PC packages. This one indication that Asgard is not putting all of its Word Processing eggs in the "Press" basket.

Jim Reiss who is up here every Tuesday on CO is the author/creator of this program. The package requires a minimum of 32k, one ss/sd disk drive and TI-Writer or a compatible. Hmmm. One wonders if it will work with the forthcoming editor of TRIAD? The price is \$19.95 for DS/DD, \$24.95 for SS/SD, and \$34.95 for HFDC. It is a 30,000 word system, up to a 200,000 word system for hard drives!

Asgard fully expects to set the mouse standard for the next year or so at least with the Asgard Mouse, by Michael Maksimik. It is a high quality, solidly constructed 3 button mouse that is compatible both with the 99/4A and the Geneve(My Art, which has its own mouse, does not work).

This mouse is easy to install, and Asgard tells us it will be a must for the next generation of 99/4A and Geneve software. Included with the mouse is software for using it with TI Artist and TI Artist Plus. The software also provides an interface to Extended BASIC and Assembly programs.

The Asgard Mouse sells for \$49.95 U.S. with \$5 S&H. LaFlamme & Wrigley Wholesale handles all Asgard products in Canada. Asgard is available on-line, on TIFORUM. Jim



Introducing the best thing next to your word processor, the Spell III spelling checker by Jim word is used in, allows you to add words 'on the fly' to a user dictionary limited only by available disk space, is compatible with virtually all 'I'l enhancements, lets you scan through the dictionary

leiss and Asgard Software.

Finally, Spell III is available in three DS/DD - \$19.95 versions · SS/SD and DS/DD disk versions with 30,000 words, and a SS/SD - \$24.95 versions with over 200,000 words. The proprietary SmartCheck algorithm in Spell III makes this equivalent to a dictionary several times as large since Spell it! doesn't have to wade through the plural and possessive versions of words often found in other spelling checker dictionaries.

Spell it brings spell checking on the T-98/A and Mysrc Geneve 9640 into the '90s with all the features and speed of modem PC and Macintosh speeders. With Spell II you'll never have to worry about TC/DD text format (display/variable 80 files), Spell It! for the tirst time makes checking your spelling on the 4A easier than writing the words in embarrassing spelling mistakes again in your Ti-Writer, RAG-Writer, BA-Writer, Fursnewab, My-Word, or WordWriter documents. Compatible with any word processor that can note documents in the TI standard HFDC - \$34.95 U.S. Add \$2.50 S&H

Cenada Add \$4.00 Airmali Add \$6.00

The lift place.

Among other things, Spell HI is many times faster than any other TI spelling checker, it makes corrections directly to your text file so you don't have to return to the editor, lets you view the context the Requires at a minimum 32K, one SSSD disk drive and TI-Writer or a compatible. Recommended system of at least one DS/DD disk drive. Provided for 80-columns on the TI-99/4A and Geneve. unprotected and RAM-disk compatible. Configurable

FTWA

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O D

Box 10306 • Rockville, MD 20849 • (703)255-3085 # you aren't sure of a spe#ing, and even supports foreign languages. In Canada contact LaFlamme & Wrigley Wholesale and warranted. Get yours ing it to your Extended BASIC and Assembly pro-RS232. Fully guaranteed disk system, 32K and mouse systems costing grams. Artist Plus, and for interfacware. This capable critter tion of TI and Geneve softmust for the next genera-Geneve 9640. Easy to compatible with both the TI-99/4A and the Myarc structed 3-button mouse twice as much! Requires includes software for using it with TI-Artist and TIhigh-quality, solidly-con-Michael Maksimik, is nstall, this mouse is a The Asgard Mouse, Rirmail add *10.00 S£H Can. add \$7.00 SRH U.S. add \$5.00 S&H Comparable to Write for free catalog - dealer inquires invited Mastercard/Visa Accepted - Add 5% Rockville, MD 20849 Asgard Peripherals P.O. Box 10697 703|255-3085

9T9 TORONTO USER GROUP LIBRARY LISTING

MAILING ADDRESS:		Filename
9T9 Users Group 189-2356 Gerrard St. E. Toronto, Ont., M4Y-2H3 Canada		*LETTER -README -RELNOTES 3BII1
LIBRARY DIRECTORS:		3BII2 3BII3
Gary Bowser (416)969-9925	: Handles the mail order,etc.	3BII4 3BII5
	: Adds/Demos the new software.	3BII6
Steve Findlay (416)727-6807	: Handles Book/Erchange Newsletter	3B117
• • •	and Cassette Library	ABASBUGS
Erik #iklund(416)827-4858	: Takes care Geneve software	ADVENTARC
LIBRARY INFO:		ALLIG ALLIG1 ARC1
Library disks are \$2 each.		ARC303G
DOM's (Disk of the Month) are \$3 e	iach	ARC303G
Prices are a buck less per disk, i	f way supply the disketter	ARC303GARC
illices are a buck less per disk, i	r you supply the diskettes.	ASSM9995AR
All disks & DOM's are available the following ways:		ASSMARC
will disks a poll 2 ate available fo	te remeatiff maly.	ASSMJPHARC
1: At all club meetings.		AUTOEXEC
 by mail, send a list of diskett 	as wanted and a chaque or money	BASIC
order to the	es sauces, and a chedge of money	BASIC1
	ailed within a week after getting	BASIC2
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3: By calling, GARY BOWSER at 960-	0015 f appearaing to might them up	BASIC4
at his place.	es23 a ditanging to pick them up	BASIC5
ac nis place. 4: Actual software may be more up-	to-date than this listing	BASIC6
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		BASIC7 BATCHARC
	<u> </u>	BOOT_ARK
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		CHARA1
5,25	ర్మమ్	CHARA1
	E 4	CHARA2
1/2 /	 \ \	CHARAFIX
Chicago And		CHARLTON CHESSARC
132	19", 14	
	11. 11.	CLOCKSET



"The small box contains the computer, and the large one contains the softwar and instructional"

*LETTER	, 5 D/V	80	XHI35ARC
-README	9 D/V		C99MDOS-R1
-RELNOTES	22 D/V		C99MDOS-R1
3BII1			
		10240	MYARCEXBII
3BI12		10240	MYARCEXBII
3BII3	41 PGM	10240	MYARCEXBII
3BII4	41 PGM	10240	MYARCEXBII
3BII5	41 PGM	10240	MYARCEXBII
3BII6	41 PGM		MYARCEXBII
3BI17	27 PGM	•	MYARCEXBII
ABASBUGS			
		80	GENEVUTIL2
ADVENTARC	31 I/F	128	GAMEMODULØ
ALLIG	34 PGM		EDUCAMODUØ
ALLIG1	34 PGM	8198	EDUCAMODUØ
ARC1	33 PGM	8066	C99MDOS-R1
ARC303G	33 PGM	8192	GENEVUTIL0
ARC303G	33 PGM	8192	MYARCEXBII
ARC303GARC	43 I/F	128	GENEVUTILØ
ASSM9995AR	_, _		
	- , -	128	GENEVUTIL2
ASSMARC	47 I/F	128	GENEVUTIL2
ASSMJPHARC	59 I/F	128	GENEVUTIL2
AUTOEXEC	2 D/V	80	HDOS&ADBAS
BASIC	4 PGM	610	MYARCEXBII
BASIC1	30 PGM	7174	HDOS&ADBAS
BASIC2	34 PGM	8198	HDOS&ADBAS
BASIC3	34 PGM	8198	HDOS&ADBAS
BASIC4	34 PGM	8198	
			HDOS&ADBAS
BASIC5	34 PGM	8198	HDOS&ADBAS
BASIC6	34 PGM	8198	HDOS&ADBAS
BASIC7	34 PGM	8198	HDOS&ADBAS
BATCHARC	241 I/F	128	GENEVUTIL1
BOOT ARK	170 I/F	128	C99MDOS-R1
CALENDRARC	,		
CGPDUMPARC	•	128	GENEVUTIL0
	42 I/F	128	GENEVUTIL3
CHARA1	9 ???	0 P	MY-WORD122
CHARA1	5 PGM	1024	MYARCEXBII
CHARA2	5 PGM	1024	MYARCEXBII
CHARAFIX	23 PGM	5630	
CHARLTON	224 D/F	128	
CHESSARC	159 I/F	128	
CLOCKSET	19 PGM		GENEVUTILØ
CONGOARC	54 I/F		
CONTROL		128	
	17 ???	0	MY-WORD122
CONTROL@&	17 ???		MY-WORD122
CS	8 PGM	1790 P	MY-WORD122
CSAVE	14 D/F	80 P	MY-WORD122
DM	15 ???		GPL104
DM1	46 ???		GPL104
DM2	19 ???	234 P	GPL104
DM80ARC	43 I/F		GENEVUTIL1
DOC1_ARK	172 I/F		
DOC2_ARK	74 I/F		C99MDOS-R1
DOSMENUARC			C99MDOS-R1
DOSPATCARC	60 I/F		GENEVUTIL1
DOSFATCARC	13 I/F	128	GENEVUTILØ

Size Type Len P Diskname

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	litions to the Geneve Library Size Type Len P Diskname	Filename S	Size Type	Len P	Disknam \
Filename		MDMDB29	26 PGM (6180 P	MDM5
DRAGON	34 PGM 8198 EDUCAMODUØ	MDMDR29		4450 P	
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DRAGON2	34 PGM 8198 EDUCAMUDUW	MDMV	10 PGM	2304	MDM5
EA EA	34 ??? 6 P GPL104	MDMVMOUSE	4: I/F	128	GENEVUTIL3
EAG	34 PGM 8198 MYARCEXBII	MDMXB	13 D/F		MDM5
EDITOR	40 ??? 255 P MY-WORD124	MDOS/DOCS	15 D/V	80	GENEVUTIL3
EPSON	14 PGM 3148 P GPL104	MG	00	8192	MYARCEXBII
EQUATS	34 PGM 8198 EDUCAMODUØ	MH		4980	MYARCEXBII
EQUATS1	34 PGM 8198 EDUCAMODUØ	MOREARC	46 I/F	128	GENEVUTIL0 XHI35ARC
EXEC13ARC	34 I/F 128 GENEVUTILO	MOTION	3 PGM	450	GENEVUTIL0
FCNTKEYARC	91 I/F 128 GENEVUTIL0 58 I/F 128 GENEVUTIL0	MOUSEPATCH	16 I/F	128	GENEVUILLO
FILEZAPARC	30 1/1	MPDATA		8192 P	MY-WORD122
FIXGIFARC	31 1/1 " " *** **************************	MPINTR	33 PGM		MY-WORD122 GENEVUTIL1
FORMAT		MTASKDOS	139 I/F	128	GAMEMODUL0
GENDBGRARC	134 1/4 amounts rett (A	MUCHMANARC	51 I/F	128	EDUCAMODU0
GETKEYARC	12 I/F 128 GENERALIA	$ exttt{MULTPLYIC}$	34 PGM	8198	EDUCAMODU0
GETST15ARC	9 1/1 CONTROL OF TITE	MULTPLYIC1	34 PGM	8198	EDUCAMODU0
GIF2ARC	40 I/F 128 GENEVOTEE	MULTPLYIC2	34 PGM	8198	MY-WORD122
GKLOADARC	20 1/1 ma n cmt 10/	MW5	14 PGM	3328	MY-WORD122
GP550		MWG	14 PGM	3328	
GPL	- · · · · · · · · · · · · · · · · · · ·	MYCAT	21 ???	254	P CDI 104
GPL	27 FOII 0001	OKIDATA	14 PGM	3312	P GPL104 P GENEVUTIL3
GPLMN23AR	100 1/1	PARK16ARC	19 I/F		GAMEMODUL0
GPM	34 PGM 8190 P GLEDO	PARSECARC	98 I/F	128	GENEVUTIL3
GPM	J4 1011	PLAT09640	34 PGM	8198	P GPL104
GPN	26 PGM 6150 P GPL104 26 PGM 6150 MYARCEXBII	PROWRITER	14 PGM		GENEVUTIL3
GPN	20 1011	QBASE	57 I/F	128	GENEVUTIL0
GPO	26 PGM 6150 P GPL104 24 PGM 5746 MYARCEXBII	QDE19ARC	67 I/F	128	GENEVUTIL0
GPO	Z-4 1011	REMIND_ARC	123 I/F	128 80	XHI35ARC
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GPP	Z4 I OII		. oc + 170	128	GENEVUTIL0
GRAMMAR	14 1011	RLEMYARARO	26 I/F	128	GENEVUTIL3
GRAMMAR1	TOUCAMODUO	SDIRM	35 I/F	128	GENEVUTIL3
GRAMMAR2	34 FOIL 021 1000D133	SECONE*80	68 I/F 19 I/F		GENEVUTIL3
HELP	D D MY-WORD122	SETCOLRAR	56 I/F		GENEVUTIL2
HELP/ALT	CAMEMODULO	SIMONARC		_	GAMEMODUL0
INVADERA	RC 45 1/1 128 GENEVUTIL3	STARTRKAR(HDOS&ADBAS
LDR31ARC	107 I/F 128 GENEVOTILS 2 PGM 67 P MDM5	SYSTEM/SYS		91392	P MDOS114
LOAD	2 PG/1 01 2	SYSTEM/SY		0	MDOS114F
	5 PGM 1009 XHI35ARC	SYSTEM/SY	135 I/F	128	$\mathtt{MODULFIXED}$
LOAD	5 FOR 1700 D MDM5	TEIIARC	159 I/E		GAMEMODUL0
LOAD/SYS	2 DCM 67 P MDM5	TODARC			C99MDOS-R1
LOADMDM	128 MODULFIXED	TOOLS_ARK	34 PGN		EDUCAMODU@
LOGOARC	128 GENEVUTIL3	TYPE TYPE1	34 PGN		EDUCAMODU0
MAKE*EA	OLD 20 1/2 100 GENEVUTILS	TYPE2	34 PGI		EDUCAMODU0
MASS80A	7 D/F 80 P MDM5	UNTABARC	30 I/I		GENEVUTIL0
MDM	DEM 2014 P MDM5		50 I/	F 128	XHI35ARC
MDM-DEL	22 DCM 8192 P MDM5	X80ARC XBMOUSEAF		F 128	GENEVUTIL2
MDM296	33 DGM 8192 P MDM5	XCOPYARC	15 I/	F 128	
MDM297	25 DCM 5898 P MDM5	XDIR	54 I/	F 128	
MDM298	25 PGM 5910 P MDM5	XHI; ARC	307 1/	F 12	
MDM299	10 PGM 2304 MDM5	XHIDOX/A		F 12	B XHI35ARC
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Component Price List

The following was downloaded from Compuserve, all prices are in U.S. Funds...

TIFORUM Computer Components Listing New and Revised format Feb 22nd 1990, Dennis Newman 71341,235 editor. The list has been expanded and revised to hopefully make it easier to use.

Please direct any comments to the editor by dropping by TIFQRUM and leaving a public message, (GO TIFORUM). We want to hear from YOU.

COMPUTER SUPPLIES			MISC EQUIPMENT . Surge protector and			
ITEM	PRICE	DEALER	Outlet strip 6 slot		A	
	13(102)	DEILLEN	Mouse GenusDyna GM30		K	
DISKS			Disk convertor clip 3.5"	39.95	77	
5.25" SS/DD	.21	Ä	3.3	39,93	H	
5.25" HD	.49	Α	PRINTERS - 9 PIN			
5.25" DS/DD Colors	.29	L	Epson LX810	174.00	С	
3.5"	.49	Α	Epson	114.00	?	
3.5" Colors	•	?	Panasonic KXP1081I	138.00	N	
HARD DRIVES						
Seagate 20 meg	184.00	M	PRINTERS 24 PIN			
Seagate 30 meg	179.00	P	Panasonic KXP1124	269.00	U	
Seagate 40 meg	297.00	V	DDINGERO I AODD			
Seagate 80 meg	459.00	F	PRINTERS LASER		_	
	•	•	HP IIp	995.00	J	
5.25" DISK DRIVES			MODEMS EXTERNAL			
Full height 180K	29.00	Q	1200 baud	49.95	Т	
Full height 360K	35.00	Q	2400 baud	79.95	G	
full height 720K	39.00	Q Q	2400 bada	19.93	G	
Half height 180K	35.00	Q	MONITORS			
Half height 360K	49.00	Q	12" Amber Samsung	75.00	S	
Half height 720K	59.00	Q	13" magnavox color	239.00	I	
3.5" DISK DRIVES			mi opportate impue			
•			TI SPECIFIC ITEMS	400.00	*	
DRIVE CASE w/POWER			Geneve w/mouse	400.00	E	
Single full height	44.95	R	H&F disk controller Mechatronics 80 Col		E W	
Double half height	54.95	R	nechacronics ow Col	200.00	W	

PRINTER RIBBONS

Due to the large variety of printers available and the many types of ribbons, we are only reporting that supplier who seems to have the best variety and price.

NOTES:

Minimums and other restrictions apply to many of the products listed. Because of the varied user base of TIFORUM, most listings are of equipment "stripped" of cables or other specialized options. Shipping and credit card premiums often apply. CHECK WHAT YOU ARE GETTING FOR YOUR MONEY. TIFORUM is not responsible for price and term changes by individual vendors. Some prices may have limited times applied, and are normally subject to change without notice by the supplier. TIFORUM recommends you call or write the supplier prior to purchase. Every effort is made to insure responsive,

responsible vendors ONLY are listed. Members of TIFORUM(membership is free of added cost) are invited to report both good and bad experiences with listed vendors and to suggest that other products and vendors be listed here. We actively seek to report the market level prices. News of better prices and suggestions of items to cover is solicited, both from members and from vendors.

The most responsive means of communications, world wide, is by leaving a public message to Dennis Newman, 71341,235 on the TIFORUM message base. Some vendors listed below are not on the above BEST PRICE list. This means that at some time in the past, they had a BEST PRICE, and should be consulted if price, service, or location are also considerations for you. Alternate vendors will be maintained on the report as space permits.

Note to Vendors: Please post your CompuServe ID in your advertising (and let us know!) if you want faster orders from our readers! All vendors, are invited to post messages and respond to members on TIFORUM, which provides an unusual opportunity to establish personal contact with a mail order seller.

VENDOR LIST, Keyed to preceding listing

- A MEI/Micro Center, 800-634-3478, 1100 Steelwood road, Columbus, Ohio 43212 Discount diskette, ribbon dealer.
- B PC Network 800-621-SAVE, POB 386, Montoursville, PA 17754. Broad range of computer products. Membership fee.
- C Corporate Computers of Iowa POB 714 Sioux City, Iowa 51102, 800-533-0948 712 277 2100. Computers, printers. Toshibia market maker.
- D Hard Drives International 1912 W. 4th Street, Tempe AZ, 85281 800 234 5197, 602 967 7435. Disk drive market maker. Service toll free service & order status numbers for customers.
- E Jim Horn, (TA DOS) POB 4170
 Rockville Maryland 20850, 76703,603,
 301 340 7179. Myarc Dealer & market
 maker. Drives, monitors, tested
 Geneve systems. Maintenance support
 available for Geneves.
- F Discount Paradise, 1912 West Fourth Street, tempe, AZ 85281, 800-728-3475 602-967-6547. Market maker on Mitsubishi monitors, printers,
- G Copper Electronics 4200 Produce Road, Louisville Road, Louisville KY 40218, 800-626-6343. Hayes Compatible MODEMS
- H Biological Engineering Inc. 2674 Main Street, Ventura CA 93003, 805-644-1797, 800 537-4226. Clipping tool that modifies a 3.5" disk to take 1.44 Meg.
- I Midwest MicroPerpherals, 6910 U.S.
 Route 36 E. Fletcher, Oh 45326,
 800 423 8215, 513 368 2309, Disks,
 Printers.
- J Printer Connection, 8394B Terminal Road, Lorton VA 22079, 800 622 7060. Printers, Lap tops.

- K A.&J. Computers, 8392 NW 70th Street Miami FL 33166, 305 477 9677; Mouse, Computers.
- L Gemini Marketing Inc. 12404 SE 38th St. Bellevue WA 98006, 800 782-6861. Disks, Shareware software for many computers (not 99)
- M Express Micro Mart Inc. 5520 Drake Rd. West Bloomfield MI 48322 800-533-0177 313-661-5369. Modems Printers Drives
- N Comp-U-Clearance 8804 N. 23rd Ave. Phoenix AZ. 85021 800 462-1578. Printers Monitors Etc Discount Warehouse
- O PC Outlet 2745 Hartland Rd. Falls-Church VA. 22043 800 451-4141. Drives Build Your Own Clone Comp
- P Electrified Discounters 1066 Sherman Ave. Hamden CT 06514 203-287-1976. Drives Printers Monitors
- Q JB Technologies Inc. 21011 Itasca St. unit#F Chatsworth CA. 91311 818-709-6400 Drives All styles and Sizes New Used and REconditioned Disk Drives and Repairs
- R True Data Prouducts 115 Main St. PO BOX 347 Uxbridge MA. 01569 800-635-0300 508-278-6555. Disk Drive Cases
- S Micro Lab PO Box 317 Novi MI 48050 800-677-7900 Monitors Printers Drives Clone Components Modems
- T Computer Direct 22292 N Pepper Rd. Barrington IL. 1-800-289-9473 ext 50
- U Harmony Computers 1801 Flatbush Ave. Brooklyn NY. 11210 1-800-441-1144
- V Treasure Chest... 1-800-245-3040
- W Asgard Peripherals P.O. Box 10697 Rockville MD. 20849 (703)255-3085 CIS #72561,3241

MIKE'S CORNER

OR

Butter Fingers Repair Section

- By Michael O'Dowd, 9T9 Users Group

During the next year I will attempt to write an article each Month on problems encountered by persons like myself on the TI. Just recently I had some time to fool around with my TI, other than just using Multiplan and letter writing. Programs never used were dusted off and peeked into. Yes, I discovered my education was sadly neglected.

A modem never used, came out of the box and after much fumbling I made a cable and after a lot of trial and error entered Gary's BBS.

Then I tried hooking up some disk drives and managed to blow a LED on my double sided drive and another stopped working. Advise given by Steve Mickelson and Andy Parkinson helped but I did not solve all my problems.

I phoned repair outfits and TI and I am still not satisfied with the answers, so I have decided that this is a subject to research. This is knowledge that the Novice could grasp with drowning fingers.

I will make the mistakes and hopefully the vast world of TI will benefit and like Dorien Gray all my frustration and wear and tear will only be on a painting.

In December 1989 Toronto 99 Newsletter there was a good article on adding disk drives by Darnel Denison from the Front Range 99er Newsletter.

An 11/4 watt resistor is listed in the parts list which to me seems too high as most resisters on a computer board are low wattage with a value of one quarter to approximately 1/2 to 1 watt. Perhaps it is meant to be read as 1 and 1/4 watt.

I have other articles on adding disk drives and I find without the manufacturers books it is hard to know how to address the drives as the procedure is different in all makes.

I intend to tell you how to take your drives apart, clean them and hopefully we will learn to repair them.

Tools Required:

Screwdrivers, Sledge hammer (just a joke), knife and small soldering equipment will do for a start.

FIRST LESSON.

Pick up some small resistors and learn to read the resistance value. Look them up in electronic stores if you do not know what they are.

Small Fixed Resistors are made of various materials with a wire sticking out each end of the material and the body may be brown or tanned with coloured identification bands on it which give the value of the resistance. (see table below)

A resistance sets up an obstruction to a flow of current similar to restricting the flow of water by sending it from a large bore pipe to a smaller bore pipe or limiting the flow of traffic on the QE Highway to one lane instead of three.

They are used to reduce voltage and limit current flow. The physical size of the resistor is rated in watts which means its ability to dissipate heat caused resistance. You can but a 24000 ohm resister in 1/4, 1/2 or 2 watt size but the resistance will be the same. If a 1 watt resistor was inserted in a circuit which required a 4 watt resister the 1 watt would be toasted. Make sure you purchase resistors with the correct wattage for any projects you attempt.

The Colour Bands:

Black=0, Brown=1, Red=2, Orange=3, Yellow=4, Green=5, Blue=6, Violet=7, Gray=8, White=9, Gold and Silver are 5% and 10% tolerance. No band means 20% tolerance.

TO READ A RESISTOR:

Imagine you have a resister with bands coloured, Red, Yellow, Orange, Gold.

HOLD the resistor with the Gold or Silver Band to the Right and call the left band the first significant digit it is Red and it has a value of 2.

Yellow has value of 4 and Orange has a value of 3. (The third Band is a multiplier and in this example it gives the number of zeroes to put after the first two digits.) The value of this resistor is 24000 Ohms, with a tolerance of 5%.

I intend to put in drawings in these articles so that you will be able to recognise the various parts of an electronic board and learn how to measure their values.

If any of you can assist with articles or copies of pages from Manufacturers Manuals, Drawings, Schematics etc., it will be greatly appreciated.

You can reach me at 416-270-0744. Michael O'Dowd.



January 22, 1990

Dear Classic Computer Enthusiast:

We understand that the last dominion for classic computer information has been discontinued. It is our intention to pick up coverage for this well represented segment of the market, effective immediately.

Computer Buyer's Guide will provide, monthly columns dedicated to the specific issues and products of classic computer owners. Because this announcement affects so many user Group Members and Bulletin Board Users, we thought it appropriate to contact you through your organization.

As you already know, we have continually supported these groups through our monthly publishing of FOG International's Listings. We fully intend to provide coverage equal to the interest developed from this undertaking.

If for any reason you require additional information or merely want to share ideas and interests, please contact me directly. We are confident that the editorial direction of Computer Buyer's Guide will meet the needs of your members.

CPA - TIGO

mr. claus, when our compute discovered you hadn't paid any taxes for 132 years, it exploded!!!

Respectfully,

Douglas E. Kilarski Editor-In-Chief