



THE FORT'S USER GROUP

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*****
# President                      Secretary #
# Gary Coffee - 747-2891         Denny Przybyla - 432-1228 #
#                               #
# Treasurer                      Editor/Publisher #
# Tony Miller - 456-4765        Pat Murphy - 485-2623 #
#                               #
# Vice-president                Co-librarians #
# Jeff York - 625-4546          Bryon Delabarre- 627-5922 #
#                               D. Bradtmueller- 483-0896 #
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January 1987

PRESIDENT'S COMMENTS - BY GARY COFFEE

Speaking for your Board of Directors, I would like to wish you all a happy and prosperous New Year - also, I hope the good Santa Claus brought you all the computer goodies you wanted.

As reported in the last newsletter and the last meeting - we will no longer be allowed to meet on Sunday evenings, due to the NEW policy adopted by the libraries' Board of Directors - the policy does not permit library property to be used AFTER NORMAL LIBRARY HOURS! As a result, the Shawnee Branch Library has been contacted to arrange for our meeting schedule for the upcoming months. The following times have been reserved for the next 3 months:

MEETINGS WILL ALWAYS BE THE 2ND. SATURDAY OF THE MONTH.

January 10, 1987 - 1pm till 5pm - meeting starts at 1:30pm till 3:30pm - balance of the time can be used for library access.

February 14, 1987 - 9am till 1:30pm - meeting starts at 9:30am till 11:30am - balance of the time can be used for library access and/or some some kind of workshop.

March 14, 1987 - SAME AS FEBRUARY!!!!

Per the new policy, meeting room reservations can only be made for 3 months at a time. Our intent is to schedule all future meeting times like the February and March schedule.

This new meeting schedule may allow other potential members a chance to join our user group and also allow existing members more time to tap other user's knowledge and experience plus more time to obtain programs from the library.

PRESIDENT'S SOFTWARE/HARDWARE/ENDORSEMENTS

The following information is a result of personal experiences in the past few months:

SOFTWARE

TI-ARTIST (NEW vers. 2.01) - not copy protected, can now load to any ram disk, added features..... excellent - powerful program.

DISPLAY MASTER (NEW) - my old version had bugs in it - this version is fantastic - allows full slideshow presentation of all TI-ARTIST/RLE/GRAPHX pictures with your own included text windows and more. A must program for those of you who enjoy the world of graphics. I plan to do some presentations at future UG meetings with this program.

HARDWARE

Service Merchandise sells 2 Magnavox monitors that appear to be excellent:

-Magnavox color monitor 40:

A composite monitor with a button to switch to "green screen" (like a monochrome monitor) for text, when working with TI-WRITER, MULTIPLAN, etc. The colors, sharpness, and overall quality is excellent! Price: \$198.00 - was on sale for \$178.00 - check for a sale price in the near future. (Tom Carson and I now have this monitor!)

-Magnavox RGB 80:

A composite AND RGB monitor with the "green screen" switch feature. If you are considering the NEW MYARC 9640 COMPUTER see yourself moving to another computer system someday (IBM or compatible) then this monitor may be your best choice! In the composite mode it is as good as the color monitor 40 but you will need to have some form of RGB output device to tap the benefits of the RGB mode (composite/RGB and green/color screen are switch selectable on the front of the monitor!). Price: \$289.00 now - but I understand that it will be going on sale within 30 days for \$249.00.

Note: Service Merchandise policy allows refund of difference between your purchase price and a sale price within 30 days - so my sources tell me - if so, why wait???????

DEALERS

I recently had some dealings with Steve at TEXAMENTS in Patchogue, NY and I am very happy with the helpful attitude demonstrated. The TI/ARTIST and DISPLAY MASTER upgrades (noted above) were provided (at no charge) by Texaments - EVEN THOUGH I HAD PURCHASED THE ORIGINALS FROM SOMEONE ELSE! Texaments also sent me their price lists for other programs and hardware by Insebot, MYARC, and others. This is a special price list FOR USER GROUPS! Steve has requested that the price list NOT be duplicated or published in our newsletter and I will honor that request. However, this listing will be available at our next meeting for your review.

Or you can contact them by calling or writing to the following:

Texaments
53 Center Street
Patchogue, NY

Ph. 516/475-3480 (voice)

or

Ph. 516/475-6463 (BBS)

You will note some good price breaks for multiple purchases - maybe someone would like to take on the task of coordinating various member's purchases to achieve lower prices on these products - if so, see me at the next meeting.

The next meeting of The Fort's User Group will be on Saturday January 11, 1987 - room will be available from 1pm till 5pm - meeting to start PROMPTLY at 1:30pm! My New Years resolution is to keep BUSINESS to an absolute minimum and concentrate on demos and user interest discussions. There will be one last chance for nominations for next years officers followed immediately by the elections. This is required by our constitution. We will also have a quick recommendation for some constitutional amendments - no discussion unless requested - a vote - and then down to the real business of computer use and discussion. Let's start this year off right with a full house (a full house always beats two pair!).

MINUTES

Meeting of December 14, 1986

Submitted by Dennis B. Przybyla, Secretary

President Gary Coffee called the meeting to order at 7:30 p.m. There were sixteen members and one guest in attendance. The Secretary's minutes of the November meeting and the Treasurer's report for December were published in the December Newsletter. The formal presentation of these reports at the meeting were omitted but submitted as published. There were no additions or corrections to the reports of the Secretary and Treasurer and the reports were approved as published.

Tom Carson presented a slate of nominees for the club's 1987 elective officer positions. The slate of nominees were the current officers, who were willing to run for their respective positions for 1987. There were no other nominations from the floor. There will be open nominations from the floor, again, in January. The election of officers will take place at the January meeting.

The User's Group has been officially notified that the library will no longer be available on Sunday nights, or any other time that the library is officially closed. We were informed that a Saturday date is available. After a very lengthy discussion, exploring all the alternatives, a motion was made and seconded that "we continue to hold our meetings at the Shawnee Branch Library, with a date change to the second Saturday of each month. The meetings will be held on Saturday morning, except for the January meeting which will be held on Saturday afternoon". This motion was approved. The time of the January meeting will be announced elsewhere in this Newsletter. Tony Miller will make the meeting date arrangements with the Library.

The group was informed that Charles DeLabarre is continuing to put ideas together for the User's Group Handbook.

The Secretary reviewed the User's Group Constitution which was published in the December Newsletter. Incorporated in the published constitution were the approved and three proposed amendments. After the review and a discussion, it was decided that the proposed amendments one and two, as published in the December Newsletter and approved by the Board of Directors, be submitted for approval by the membership at the January meeting. A proxy ballot for the approval of the two proposed amendments appear elsewhere in this Newsletter.

It was announced that Blair MacDermid had an article published in November/December 1986 issue of FORTH DIMENSIONS. The article was about his program "Windows for the TI 99/4A". Tony Miller and Jeff York each have a program uploaded and offered as Freeware. Jeff has received \$10 from a user group in Seattle for his TI 99/4A Meeting Agenda program. Jeff turned over the \$10 to the User's Group. Tony's diagnostic program is for checking the memory chips in the Super Cart and the 32K memory card.

MG (Millers Graphics) is ending production of the Gram Kracker. Dave Bradtmaeller's friend had a bad experience with the installation of MG's new prom set in his CarComp 9900 Disk Controller Card. A number of his PE cards were blown.

Dave Bradtmaeller informed the group that version 2.0 of C99 is now in the Library. He hopes to get version 3.0 soon. TI has given to the group two diagnostic programs that will check out your TI system. The significant testing program runs through the Mini Memory module. The Extended Basic module is also used for some of the testing procedure. Additional information on these diagnostic programs will be provided at a future meeting.

Who is willing to take home the group's computer system? Dave Bradtmaeller and Bryan DeLabarre, the Co-Librarians, do not have room for the system.

Pat Murphy related that we have gotten an influx of newsletters from other TI user groups. Apparently, this is the result of our announcement appearing in the MICROpendium and TI's material. These groups wish to exchange newsletters with us. Pat noted that groups in our vicinity did not know that we existed. The newsletters will be kept in the library and may be checked out by the membership.

Ron Bishop announced that the Forth User Group meeting will be held on Tuesday, January 13, 7:00 pm, room 138 Neff Hall, on the IPFW campus.

Gary announced that there will be no board of directors meeting in December.

A guest at the meeting was Wilbur McKenzie, a past member. Dave Bradtmaeller was the door prize winner. He received the Atarisoft cartridge program Defender.

With the closing of the official meeting, there were demonstrations given by Gary Coffee on ARCHIVER, by Pat Murphy on Font Writer, and by Tony Miller on SUPERCART.

The next meeting will be held on Saturday, January 10, at the Shawnee Branch Library.

DIAL-A-WORD
by Joey Latimer
LA 99ers

Quick: What was your last phone number? You can't remember? What if you had to remember a word instead, such as HIC-CUPS (422-2877) or CAB-BAGE (222-2243)?

There are many words hidden in a telephone number. Since each of the digits 2 thru 9 on a phone dial stands for three possible letters, a seven-digit phone number can represent up to 2,187 letter combinations.

The computer can work out all the possible combinations for you.

Type in DIAL-A-WORD and run it. Enter a SEVEN digit (seven only) phone number. Type the number with no spaces or punctuation like this: 555888.

Hit enter and watch your computer generate all possible letter combinations for those numbers. Some of these letters will form gibberish, but others will form into a word or words (maybe useful for businesses...as in TI-CARES). Note: neither 1 or 0 are accompanied by letters on a phone dial, they'll remain as digits within the letter combinations.

```

10 DIM A(7)
20 A$="ABCDEFGHJKLMNPRSTUVWXY
   "
30 FOR I=1 TO 7
40 A(I)=0
50 NEXT I
60 NP=0
70 FL=0
79 GET PHONE NUMBER

80 CALL CLEAR
90 PRINT TAB(10):"DIAL-A-WORD"
100 PRINT
110 PRINT "PLEASE TYPE IN A 7-D
    IGIT"
120 PRINT "PHONE NUMBER:"(IN T
    HIS FORM: 5558888);"
130 PRINT "THEN PRESS <ENTER>."
140 PRINT
150 INPUT "NUMBER? ":N$
160 IF LEN(N$)<7 THEN 80
170 FOR I=1 TO 7
180 IF (SEG$(N$,I,1))="0")*(SEG
    $(N$,I,1)<="9")THEN 230
190 FL=1
200 NEXT I
210 IF FL<>0 THEN 70
220 CALL CLEAR
230 FOR I=1 TO 7
240 IF SEG$(N$,I,1))="2" THEN 270

250 PRINT SEG$(N$,I,1);
260 GOTO 280
270 PRINT SEG$(A$,VAL(SEG$(N$,I
    ,1))*3-5+A(I),1);
280 NEXT I
290 PRINT " ";
300 NP=NP+1
310 IF NP/3<>INT(NP/3) THEN 330
320 PRINT
330 IF NP<63 THEN 410
340 PRINT

350 PRINT "PRESS <C> TO CONTINU
    E,":<B> TO QUIT.";
360 CALL KEY(3,K,S)
370 IF K=B1 THEN 470
380 IF K<>67 THEN 360
390 NP=0
400 CALL CLEAR
410 P=1

420 A(P)=A(P)+1
430 IF (A(P)<3)*(SEG$(N$,P,1))>"
    1")THEN 230
440 A(P)=0
450 P=P+1
460 IF P<8 THEN 420 :: PRINT
470 END

```

Also, from the same fine newsletter source came this...

CTRL S = DATA

There is a time saving routine of using FCTN 8 (REDD) when entering long lists of DATA. EXAMPLE>:

Before I get into some C code, there are a couple things that need to be explained from above. First, a compiler is a program that takes a "source file" ie. a text file created by TI-WRITER, BA-WRITER, etc. and produces an object file ie. code (or instructions) that is readable by the computer and that can control the functions of a computer. A compiled program is one that has all syntax (gramatical) errors fixed before the program is run. Once these errors are fixed, the code never has to be checked again. An interpreted program does its error checking line-by-line at the time of program execution. After each line is checked, each line is converted into object code and executed by the computer. This process must be done every time that the program is run. Hopefully, you can now see why a program runs much faster if it is compiled.

The other thing that I want to clarify is that the C compiler is a little different from a normal compiler. It looks at a source program and converts that into assembly language. The assembler provided with the Editor/Assembler package is then used to "assemble" the code. The assembly process means basically the same as compiling a program. Evidently Clint Pulley figured it was easier to convert the source file into Assembly Language and then assemble it than to actually convert the code into machine code from the start. Since the C99 code is converted into assembly language and assembled before execution, at execution what you are really running is an assembly language program and therefore you are running at assembly language speed! The difference is that you are not running at optimized assembly language speed.

```
<----->
:
v
```

Here is a short program in C that prints several messages on the screen, asks the user for a number, and then prints that number and the square of that number. I am including the source code here and will explain how to get the program compiled. I am leaving the explanation of how the C code actually works for future article.

```
.....
#include "dsk1.stdio"
extern printf(),scanf();
#asm
    REF TSCRN
#endasm
/* C99 TEST PROGRAM */
/* Written by: Jeff York */
char bye[];
int num;
main() /* begin main program */
{
    printf("Give me a number and I will print: \n\n");
    printf("the original number and its square \n");
    scanf("%d",&num); should be &num
    tscrn(16,7);
    printf("The original number is %d \n",num);
    printf("The square of %d is %d",num,num*num);
    printf("\n\n\n");
    printf("press enter to quit\n");
    scanf("%c",bye);
}
.....
```

TO COMPILE, ASSEMBLE and RUN:

Type in the preceding source code. If you use a program such as TI-WRITER that saves tab information at the end of the file then you will need to use the PF option when saving and print the source code to disk, this will eliminate the tab settings in your source code file. Next, you need to compile the source code. Enter E/A module and select opt. 5. Type in the disk#. <compiler> ie. DSK_ and whatever your compiler name is (probably C99C. Answer N to the first two compiler prompts and at the third prompt enter the name of your source code file eg. DSK1.TEST;C. The next prompt wants to know what the file name for the assembly language code should be so give it a different name such as DSK1.TEST;A. When the compiler has successfully compiled ie. translated your source into assembly language you are ready to assemble it and produce an object file (machine runnable file).

Select opt. 2 and Y to load the assembler (note that you must have the assembler program in the selected drive). The assembler wants to know what the source and object files to it are in the first two prompts. The source would be the compiled C99 program ie. DSK1.TEST;A from my example above. The object file can be anything that you name it ie. DSK1.TEST;O. Just hit enter at the next prompts and the assembler will take off. If you get 0000 errors then you have completed the assembly and are ready to run the program. To run the program select opt. 3 from E/A, type in the following files and if you make a mistake type them all in over again:

```
DSK1.TEST;O <enter>
DSK1.CSUP <enter>
DSK1.PRINTF <enter>
DSK1.SCANF <enter>
```

NOTE: Make sure these programs are on the disk drive that you specify above.

After all this is done just hit enter and type "START" at the prompt for PROGRAM NAME. Your C program will now execute and at lightning fast speed. There is a utility provided on the C disk to create a program image file so you don't have to load all the D/F 80 assembly files like the four above.

If you have any problems and are really interested in C99 you can give me a call. I am just learning many of the features as well as C itself but I find it very impressive and hopefully the language that I will be writing in in the future.

That's all for this month. Good luck and I will "C" U later... Jeff

**** LIBRARY NEWS ****
by David Bradtmueller

In order to encourage more people to more people to start using the library we are changing the cost of using the library. The costs are as follows:

| | | |
|-----------------------|----------------------------------|-------------------|
| Duplication fee: | for a double sided diskette..... | \$2.00 |
| | for a single sided diskette..... | \$1.50 |
| Diskettes(-)cassettes | for a diskette | \$0.70 |
| | for a computer cassette | \$0.50 |
| Documentation | for printed | \$0.05 |
| | for files | (duplication fee) |
| Mailing fees | per diskette or cassette | \$1.00 |

New to the library:

- FTERN-INST -- this handy little program will print all the Fastern commands in subscript print so they can be put on to a disk envelope.
- GRAPHIC LABLER -- this is a utility program that everyone should have. It has over 50 graphic pictures that can be used to create graphic labels for your diskettes. This is a freeware program from the OTTAWA User group.
- TI-WRITER UTILITIES -- This is a diskette with 4 utilities that can be called from Opt. 3 from the TI-WRITER menu. I was not very impressed with this diskette as I already have programs that do what these utilities do. If you are interested in seeing these let me know. This is also from OTTAWA.
- C99 COMPILER (ver 2.0) -- A must for anyone wanting to program in C. It has all the commands to unleash the TI. It is not compatible with any lower releases. This is freeware from Clint Pulley.
- TI 99/4A SOFTWARE TEST SYSTEM -- This is software from TI that will test the different parts of your computer. The test are as follows:

Mini Memory EXB -- Diagnostic, Keyboard Test, Speech Test, Joystick
Test, Pascal Card Test, Memory Expansion Test, RS232
Interface Test, Cassette Test, Bit-Map Mode Test
EXB only -- Impact Serial Printer Test, Speech Test, Thermal
Printer Test, Impact Parallel Printer Test.

W.I.S.H. LIST

WISH GAC0686...A terminal emulator program that would transfer a complete disk rather than one file at a time.

WISH TM0686...Would like a ribbon cable connector (female) for a 36 pin .100" card edge connector.

WISH GAC0786...A program that would download different fonts to a dot matrix printer i.e., script, gothic, roman, etc.

WISH BCD0886...Would like a ribbon for a GORILLA BANANA and info on how to access the printer in graphics mode.

WISH JY0886...A program that converts CALL LOAD statements into assembly language source code.

WISH BCD0986...Would like a used expanded system (RS232 Optional), at least one disk drive and 32K memory expansion.

WISH GCC1286...Would like a cassette cable and educational programs or modules (primary level).

ANSWER GAC0686...Use FREEMWARE program "MASS TRANSFER" available from Stuart Olson, 25322 W. Wayside Place, Lake Villa, IL 60046. Program now in user group library.

ANSWER TM0686...Connectors you want are available from PILGRIM'S PRIDE, 5 Williams Lane, Hatboro, PA 19040

A FINAL NOTE FROM THE EDITOR/PUBLISHER: It has become very difficult for me to make copies of our newsletter at the price I have been able to get in the past - FREE. So, this month I checked with three "COPY" businesses for prices to copy our newsletter. The cheapest (I repeat cheapest) of the three, to copy (only) our newsletter (16 pages back to back) was---> \$46.00!!!

Between Jeff York, Gary Coffee and myself, we will still be able to make copies for free...for as long as we can. So, be aware of the service that is being provided "at no cost" to our group's treasury. (for as long as we possibly can)

Thanks to Jeff, Gary and Pat.

| | |
|--|---|
| <input type="checkbox"/> \$15.00 Renewal <input type="checkbox"/> \$15.00 New member <input type="checkbox"/> \$ 7.50 Subscribing Membership | NAME: _____ ADDRESS: _____ CITY: _____ STATE: _____ PHONE: (_____) _____ - _____ ZIP CODE: _____ INTERESTS: _____ |
| *OFFICE USE* <input type="checkbox"/> REC. <input type="checkbox"/> UNUM <input type="checkbox"/> PAY <input type="checkbox"/> DATE | |

 PROXY VOTE FORM for proposed ammendments...please use this form if you cannot
 *make the next meeting. Either mail this in by or give to some other member *
 who ia going to attend the January meeting January 10.
 *

*Proposed Amendment One (below): Yes _____ No _____
 *

*The statement of Item A, Article 4, which reads "Annual dues shall be *
 *fifteen dollars (\$15.00) for each member prorated to five dollars (\$5.00) *
 *prior to January." shall be deleted and replaced with the following statement:
 *Annual dues per calendar year shall be fifteen dollars (\$15.00) for each *
 *member. During the period of October 1 to December 31, an applicant for *
 *membership shall be assessed a fee of \$15 which shall pay his/her membership *
 dues for the current and the following calendar year.
 *

*Proposed Amendment Two (below): Yes _____ No _____
 *

*Add the following statement as Item B, Article 3: An active member shall be *
 defined as a member whose dues, for the current calendar year, is paid.
 *

*Name _____ Date _____ MBR # _____ *

ALBANY INFORMATION
RT. 1 BOX 290A
RENSSELAER, NY 12144
OWNER : ROBERT BURGESS
PHONE : 518 286-3984
CREDIT CARDS : N

ALBOES COMPUTERS & SUPPLIES
6940 MACON RD.
COLUMBUS, GA 31907
OWNER : CHUCK SLAKER
PHONE :
CREDIT CARDS :

ARCADE HARDWARE
211 HORTON ROAD
FALLOWFIELD, MANCHESTER, ENGLAND
OWNER : HOWARD GREENBERG
PHONE : 101612252248
CREDIT CARDS : Y

ASSOCIATED SYSTEMS INC.
4532 WEST GREENFIELD AVE.
MILWAUKEE, WI 53214
OWNER : WILLIAM L. BEASLEY
PHONE : 414 645-8900
CREDIT CARDS : N

ATRONIC
P.O. BOX 730403
2000 HAMBURG 73, W. GERMANY
OWNER : VERMUNFT
PHONE :
CREDIT CARDS :

B & D COMPUTERS
32 COVINGTON DR.
SHREWSBURY, PA 17361
OWNER :
PHONE :
CREDIT CARDS : N

B & M COMPUTER ENTERPRISE
40 FOURTH AVE.
MT. LAWLEY, W. AUSTRALIA 6050
OWNER : BERNIE ELSNER
PHONE :
CREDIT CARDS : Y

BANEY ELECTRONICS
3429 FULTON ST.
LAUREL DALE, PA 19605
OWNER : PETE BANEY
PHONE : 215 926-4372
CREDIT CARDS : N

BAY CITIES ELECTRONICS
624 WOODSIDE RD.
REDWOOD CITY, CA 94061
OWNER : TERRY
PHONE :
CREDIT CARDS :

BBS COMPUTER SALES
135 W. GROVE P.O. BOX 458
SHELDON, IL 60966
OWNER : WAYNE BURGESS
PHONE : 815 429-3877
CREDIT CARDS : Y

BITS AND CHIPS
23637 HWY. 99
EDMONDS, WA 98020
OWNER : JANIE LAWRENCE
PHONE : 206 775-7390
CREDIT CARDS : Y

CACTUS CLIFF COMPUTERS
BOX4064C NEW RIVER STAGE I
PHOENIX, AZ 85029
OWNER : DAN SHELL
PHONE : 602 943-3409
CREDIT CARDS : Y

CADICA
P.O. BOX 60
41012 CARPI, ITALY
OWNER : ANDREA CARNEVALI
PHONE :
CREDIT CARDS :

CAPTAINS WHEEL
17275 CHIPPENDALE AVE.
FARMINGTON, MN 55024
OWNER : J. JON GOULD
PHONE :
CREDIT CARDS :

CLOSET COMPUTER SERVICES
1002 EAST 62ND ST.
TACOMA, WA 98404
OWNER : OWEN C. NELSON
PHONE :
CREDIT CARDS :

COMPETITION COMPUTER
2629 W. NATIONAL AVE.
MILWAUKEE, WI 53204
OWNER : CRAIG
PHONE : 414 672-4010
CREDIT CARDS : Y

COMPRO SYSTEMS
4917 GRAFTON RD.
BRUNSWICK HILLS, OH 44212
OWNER : DON
PHONE : 216 225-2340
CREDIT CARDS : Y

COMPU MASTERS
8209 SHELBYVILLE RD.
LOUISVILLE, KY 40222
OWNER : JOHN TUCKER
PHONE : 502 423-1125
CREDIT CARDS : Y

COMPU-PHONE
7586 CLAIREMONT MESA BLVD
SAN DIEGO, CA 92111
OWNER : MARK MC CLAIN
PHONE : 619 565-1322
CREDIT CARDS : Y

COMPUQUEST
200 N. 3RD ST.
MANHATTEN, KS 66502
OWNER : C/O RENTWAY
PHONE :
CREDIT CARDS :

COMPUTER AND MORE
2949 FLORDIA ST.
LONGVIEW, WA 98632
OWNER : JEFF EDGECOMB
PHONE : 206 425-1375
CREDIT CARDS : Y

COMPUTER BUG
3073 CLAIRTON BLVD.
PITTSBURGH, PA 15236
OWNER : CHARLES PERCHERKE
PHONE : 412 882-3374
CREDIT CARDS : Y

COMPUTER DOWNLOAD
25 OTTAWA ST.
ARNPRIOR, ONTARIO CANADA K751W7
OWNER : BOB BOONE
PHONE : 613 623-7841
CREDIT CARDS : N

COMPUTER DYNAMICS INC.
3120 PARK VIEW LANE
HARRISBURG, PA 17111
OWNER : NICK VARNALIS
PHONE : 717 564-4141
CREDIT CARDS : Y

COMPUTER PROBLEMS RESOLVE
24114 GODDARD RD.
TAYLOR, MI 48180
OWNER :
PHONE :
CREDIT CARDS :

CREATIVE IDEAS
7062 S. TAMARAC ST.
ENGLEWOOD, CO 80112
OWNER : MARY ANN HOLZER
PHONE : 303 770-4136
CREDIT CARDS : N

D. C. ELECTRONICS
5206 KINGSMILL
FRIENDSWOOD, TX 77546
OWNER : DAVID SHULMEYER
PHONE : 713 482-0186
CREDIT CARDS : N

DATA X
1923 LINDEN ST.
RIDGEMOOD, NY 11385
OWNER : JULIAN ACHIM
PHONE :
CREDIT CARDS :

DERRIC ELECTRONICS
1660 WHITNEY AVE.
HANDEN, CT 06517
OWNER : G. J. GERARD
PHONE : 203 248-7227
CREDIT CARDS : Y

DHEIN'S WHOLESALE
7 WEST AIRLINE HWY.
WATERLOO, IA 50703
OWNER : DARRYL DHEIN
PHONE : 319 236-3861
CREDIT CARDS : Y

DISCOUNT COMPUTER SALES
4801 SELWYN DR.
WINSTON SALEM, NC 27140
OWNER : STEVE SALLEE
PHONE :
CREDIT CARDS :

DISK ONLY SOFTWARE
1041 CARNATION DR.
ROCKVILLE, MD 20850
OWNER : JIM HORN
PHONE : 301 340-9617
CREDIT CARDS : Y

DYNAMIC ENTERPRISES
86 HUNTERS LANE
WESTBURY, NY 11590
OWNER : GREENWALD
PHONE :
CREDIT CARDS :

EDU-COMP
6516 O'HENRY CIRCLE
NORTH RIDGEVILLE, OH 44039
OWNER : JUDY THALNER
PHONE : 216 327-6579
CREDIT CARDS : N

HOME COMPUTER CENTER
9540 47TH AVE. NORTH
ST. PETERSBURG, FL 33708
OWNER : DON MC CUTCHEON
PHONE : 813 392-9477
CREDIT CARDS : N

HOME COMPUTER SUPPLY
8219 MINOR LANE #184
LOUISVILLE, KY 40219
OWNER : BILL CASHIN
PHONE :
CREDIT CARDS :

HOME COMPUTERS CO.
1055 TAYLOR AVE.
TOWSEN, MD 21204
OWNER : MARTIN BARTHOLOMEY
PHONE : 301 337-2733
CREDIT CARDS : Y

HUNTER ELECTRONICS
604 S. FAIRVIEW AVE.
CALMHURST, IL 60126
OWNER : ROY HUNTER
PHONE : 312 832-6558
CREDIT CARDS : N

INNOVATIVE ELECTRONICS
4150 FOX ST. UNIT A-2
DENVER, CO 80216
OWNER : JOE MILLER
PHONE : 303 458-5600
CREDIT CARDS : N

IRISH INPUT
4026 ALABAMA ST. #5
SAN DIEGO, CA 92104
OWNER : MIKE KELLEY
PHONE : 619 692-4346
CREDIT CARDS : N

KINDLY KOMPUTERS
950 N. WESTERN AVE.
LAKE FOREST, IL 60045
OWNER :
PHONE :
CREDIT CARDS :

L. L. CONNER ENTERPRISES
1521 FERRY ST.
LAFAYETTE, IN 47904
OWNER : LARRY L. CONNER
PHONE : 317 742-8146
CREDIT CARDS : Y

LAKE COMPUTER DEPOT
2139 LAKE AVE
WHITING, IN 46394
OWNER : ROBERT DEMETER
PHONE : 219 659-5628
CREDIT CARDS : N

M&S COMPUTER SYSTEMS
15918 CAVENDISH DR.
HOUSTON, TX 77059
OWNER : MIKE MATULA
PHONE : 713 486-0224
CREDIT CARDS : N

MICRO STUPH
1456 GRANDVIEW
COLUMBUS, OH 43212
OWNER : PAT SATURN
PHONE : 614 486-7262
CREDIT CARDS : N

MICRO-COMPUTER DEPOT
741 BULMAN DR COLONY SQ.
SUNTER, SC 29150
OWNER : EARL WILLIAMS
PHONE : 803 775-5166
CREDIT CARDS : Y

MICROSPHERE INC.
14009 E. JEFFERSON BLVD.
MISHAWAKA, IN 46545
OWNER : ROGER B. DODLEY
PHONE : 219 259-7040
CREDIT CARDS : N

MIKAT ENTERPRISES
4632 BENSON LANE
FALLON, NV 89406
OWNER : MIKE LA BELLA
PHONE :
CREDIT CARDS :

MIKE'S C. P. & SOFTWARE
34 ELM ST.
CUMBERLAND, RI 02864
OWNER : MICHAEL COSTIC
PHONE : 401 727-0262
CREDIT CARDS : Y

MILLERS GRAPHICS
1475 W. CYPRESS AVE.
SAN DIMAS, CA 91773
OWNER :
PHONE : 714 599-1431
CREDIT CARDS : N

MRB COMMUNICATIONS
68 SECOND AVE.
CRANSTON, RI 02910-4927
OWNER : ROBERT BROWN
PHONE : 401 785-0697
CREDIT CARDS : N

MRHG ENTERPRISES & ASSOC.
9112 PINE LAKE DR.
LOUISVILLE, KY 40220-2927
OWNER : RICHARD GARDNER
PHONE : 502 499-9779
CREDIT CARDS : Y

NEW LOGIC COMPUTERS
32760 VAN DYKE
WARREN, MI 48093
OWNER : STEVEN E. DERY
PHONE : 313 264-2460
CREDIT CARDS : Y

NEW PROCEDURES
3801 W. PALMIRA AVE.
TAMPA, FL 33629
OWNER : RICHARD SULLIVAN
PHONE : 813 831-6566
CREDIT CARDS : N

NOVA COMPUTERWARE
52 AIRPORT RD.
EDMONTON, ALBERTA CANADA T560W7
OWNER : JUDY DEHANEY
PHONE : 403 452-0372
CREDIT CARDS : Y

PILGRIMS PRIDE
5 WILLIAMS LANE
HATBORO, PA 19040
OWNER : J. SCOTT O'GORMAN
PHONE : 215 441-4262
CREDIT CARDS :

QUALTECH INC.
116 LOMAS BLVD. N. E.
ALBUQUERQUE, NM 87102
OWNER : TOM LIDSTONE
PHONE : 505 243-5605
CREDIT CARDS : N

QUEEN ANNE COMPUTER SHOPP
6 1/2 BOSTON #4 UPSTAIRS
SEATTLE, WA 98109-2319
OWNER : BARBARA WIEDERHOLD
PHONE : 206 283-0953
CREDIT CARDS : Y

RAM ENTERPRISES
2907 LIBERTY AVE
VERMILLION, OH 44089
OWNER : RICHARD S. BURGER
PHONE : 216 967-1317
CREDIT CARDS : N

RAMSOFT ENTERPRISES
1125 FERNDALE
FULLERTON, CA 92631
OWNER : RAMON
PHONE : 714 738-5665
CREDIT CARDS : N

RK COMPUTER HOUSE
113 GLENGARRY DR.
CORAOPLIS, PA 15108
OWNER : ROB & KATHY HAMSHER
PHONE : 412 457-8740
CREDIT CARDS : N

RON & DIANE WELLS
5523 SAN JOSE
MONTCLAIR, CA 91763
OWNER :
PHONE :
CREDIT CARDS :

SELLMAN'S COMPUTER SHOP
4630 BALTIMORE PICK
LITTLESTOWN, PA 17340
OWNER : DAN & KAE SELLMAN
PHONE : 717 359-4661
CREDIT CARDS : N

SILVERWOLF SOFTWARE
P.O. BOX 1544
ROHNERT PARK, CA 94928
OWNER : CHUCK BURLEY
PHONE : 707 528-7866
CREDIT CARDS : N

SINE WAVE ELECTRONICS
9648 KIEFER BLVD. L
SACRAMENTO, CA 95826
OWNER : BART ALTMAN
PHONE : 916 364-8013
CREDIT CARDS : N

SORONICS
P.O. BOX 618 RD 2
ANVILLE, PA 17003
OWNER : DICK SORINSON
PHONE : 717 865-6445
CREDIT CARDS : N

SOUTH JERSEY COMPUTERS
200 NEW JERSEY AVE.
NATIONAL PARK, NJ 08063
OWNER : ELLA LOUNSBERRY
PHONE : 609 848-5963
CREDIT CARDS : Y

SPECIALIST IN
821 MAINSTREET
HOPKINS, MN 55343
OWNER : SARAH L. DEMARS
PHONE : 612 938-3161
CREDIT CARDS : Y

STIM 99
P.O. BOX 7018 54
300 07 HALMSTAD, SWEDEN
OWNER : HAKAN GORANSON
PHONE : 035 12 86 40
CREDIT CARDS : Y

SUN SUFFICIENCY, INC.
RD. 1 BOX 359-5
KINGSTON, NY 12401
OWNER : R. BRETT KROPF
PHONE : 914 336-6144
CREDIT CARDS : N

SUPER SOFT
34 CALIFORNIA DR.
ROCHESTER, NY 14616
OWNER : ROBERT J. OSBORNE
PHONE :
CREDIT CARDS :

SYMBIOTECH, INC.
6814 STRONGBOX CIRCLE
ROSCOE, IL 61073
OWNER : RANDALL A. ROMANO
PHONE : 815 623-6751
CREDIT CARDS : Y

T. J. DISCOUNT DISK
38134 CAMERON
STERLING HEIGHTS, MI 48310
OWNER : TOM LABADIE
PHONE : 313 826-3529
CREDIT CARDS : N

TANSTAAFL SYSTEMS
20722 9TH AVE. CT. E.
SPANAWAY, WA 98387
OWNER : RICK FALLSTROM
PHONE :
CREDIT CARDS :

TEX*IN TREASURES
1122 ENGLISH COURT
BELLE PLAINE, KS 67013
OWNER : MICHAEL M. DUDECK
PHONE :
CREDIT CARDS :

TEXAMENTS
53 CENTER ST.
PATCHOGUE, NY 11772
OWNER : STEVE LAMBERTI
PHONE : 516 475-3480
CREDIT CARDS : N

THE CHICAGO TI STORE
P.O. BOX 34265
CHICAGO, IL 60634-0265
OWNER : EDITH BEHNKE
PHONE :
CREDIT CARDS :

TI STUFFF
14 BREWSTER ST.
PORTLAND, ME 04103
OWNER : TOM BERMAN & MARK RIDEOUT
PHONE : 207 797-2104
CREDIT CARDS : N

TRITON PRODUCTS CORP.
1159 TRITON DR.
FOSTER CITY, CA 94404
OWNER :
PHONE :
CREDIT CARDS :

TRONICS OF BREVARD
409 RED SAIL WAY
SATELLITE BEACH, FL 32937
OWNER : JIM STAYLOR
PHONE : 305 777-1132
CREDIT CARDS : N

U. S. CORP
1210 KANE PL. SUITE A
MILWAUKEE, WI 53202
OWNER : DON BROOKS
PHONE :
CREDIT CARDS :

US TECH
15335 PASEO DEL REY
HOUSTON, TX 77083
OWNER : KENNY ESPIAU
PHONE :
CREDIT CARDS :

VALLEY COMPUTERS
613 N. IDLEWILD ST.
KAUKAUNA, WI 54130
OWNER : MICHAEL R. MECH
PHONE : 414 766-3589
CREDIT CARDS : N