*Delaware Valley Group
Oct 85*

OCTOBER MT6S: OCT. 21, DEPTFORD ~ OCT. 24, CHRISTIANA

MYARC PRODUCTS SHOWN, DESCRIBED TO DVUG

Myarc's new TI-99/4A-compatible com-
puter, still unnamed and working out the
last mechanical holdups, should be dem-
onstrated by company president Lou Phil-
lips at Illinois' TI Faire in November.

Actual release date is still pending.
Myarc's product will come with 256K, up-
gradable to 512K. An IBM compatability
card will be a future offering. So said
Myarc administrative vice president Norm
Freedman, addressing the Delaware Valley
Users Group meeting in September.

Myarc's Extended Basic II, 128K Oper-
ating System, cartridge was brought to
the DVUG meeting, but a demonstration
disk sent by mail had not arrived. After
offering to show it at the next conveni-
ent DVUG meeting, speaker Freedman out-
lined structural contrasts with TI's Ex-
tended Basic (see page 5).

Use of all-assembly language routines
replaces TI's Graphic Programming Lan-
guage. (TI still is very much involved
in production of the 9918A chip, we were
assured.) Detailed programming capacity
and execution speed become significantly
greater with the extra memory.

This was demonstrated with the Myarc
RAM Disk card as approximately six dozen
DVUG members watched on four monitors,
chained by a series of $2.50 Y-cables.
(Attendance was limited due to Hurricane
Gloria's imminent arrival.)

The initial 32K is extra programmable
RAM, similar to TI's 32K card. The next
96K memory, via upgrade or built-in, de-
pending on one's purchase, may be used
at owner discretion. (Cont'd. on page 4)

SUPER XB PROGRAMMING CONTEST AND PRIZE AWARD ANNOUNCED

James Hollender announces a program-
ming contest for users of Super Extended
Basic (SXB), that souped-up utility lan-
guage created by J&KH Software.

In a presentation to DVUG during
September's meeting, the author of SXB
advised that the best three submissions
written would be included in future is-
suances to the public from J&KH, with an
award of $250 to go to the one top-rated
by Hollender. This will be substantially
higher than other programming contest
awards, to encourage top quality work.

SXB presently sells at a considerable
saving from its original cost. (Some of
its features were shown last December in
a presentation to DVUG by Bill Acquard.)
Contest details are expected to be made
known in a future issue of MICROpendium.
That 48-page monthly newsmagazine, which
is devoted exclusively to the TI-99/4A,
is found in DVUG's Newsletter Library or
available by annual subscription from:
MICROpendium, P.O. Box 1343, Round Rock,
TX 78680, at $18.50 first-class rates.

THAT UNIQUE MICROpendium

This DATA BUS was almost ready to go
to bed, as they (used to) say in news-
paper lingo, when the Editor's next copy
of MICROpendium arrived in the mail. It
was chock full of more Freeware and many
other goodies from various sources. The
DATA BUS carries product news, since we
know all our readers don't have the ac-
cess we do.   (Cont'd. on page 6)

DVUG MONTHLY NOTICES, MINUTES

DVUG EXECUTIVE COMMITTEE MEMBERS IN 1985

PRESIDENT .... DAN LOUNSBERRY (NJ)
VICE PRESIDENT .... TOM AUGUST (DE)
SECRETARY .... LYNN ACQUARD (DE)
TREASURER .... TOM KLEIN (PA)
SGT. AT ARMS ...:..... BILL ACQUARD (DE)
NJ CHAPTER CHR. .... ERROL LANSBERRY
===

| Delaware TIBBS | South Jersey TI BBS |
| (302) 322-3999 | (609) 435-7301 |

Between 6-9 p.m., you may also contact:
TOM KLEIN   Pa.   (215)494-1372
JACK SHATTUCK   Del.   (302)764-8619
CAROL ROSOWSKI   N.J.   (609)228-2445

A Delaware Valley Users Group membership
includes monthly newsletter, library and
software privileges, plus other special
benefits. Annual membership rates are:
Family or Individual $15; Students $5;
Newsletter only (beyond 75 miles) — $10
~~~~~~
PLEASE TRANSMIT YOUR NEWSLETTER COPY TO:
The Data Bus Editor -- Jack E. Shattuck,
2 Colony Boulevard,Apt. 101, Wilmington,
DElaware 19802   Telephone:(302)764-8619
NEWSLETTER COPY WILL NOT BE ACCEPTED FOR
AN ISSUE AFTER THE 2ND THURS. EACH MONTH

An article appearing in The Data Bus may
be reproduced for publication by another
TI User Group, as long as acknowledgment
is given to the sources as indicated. We
encourage exchange newsletters; mail to
either the Editor or to DVUG's mail box,
shown on Page One, our business address.
~~~~~~
DVUG ADVERTISING RATES FOR THE DATA BUS:
1/4 page = $ 5/issue, or $ 45/12 issues
1/2 page = $ 8/issue, or $ 75/12 issues
Full page = $15/issue, or $125/12 issues
===

ON OCTOBER 24TH, all those interested
in running newsletters and other printer
files, TI-Writer tips, etc., prepare to
meet in a Printer SIG, following DVUG's
main program that evening at Christiana.
    Participants are encouraged to bring
a favorite program, and listing as well,
for others to share and understand. Any-
one willing to bring a Gemini printer to
demonstrate, call Jack Shattuck.

DVUG's Jersey chapter has now assumed
official sponsorship of the TI BBS which
Mike Baker is doing such a nice job of
managing as SYSOP. You can reach the BBS
at (609)435-7301.
    October's Deptford meeting continues
reviewing new graphic programs, as begun
in September. Dave Rose's CHARACTER SETS
& GRAPHIC DESIGNS will be demonstrated.

    Sept. 26th's meeting brought out the
diehards, despite ominous weather which
closed Christiana Mall the next day. At
that meeting, Dan Lounsberry presented
Don Heritage his first prize in August's
drawing, CorComp's 9900 Micro Expansion
System.
    Availability of several items noted
in the September Data Bus were indicated
by the Editor. Members were encouraged
to complete their equipment surveys, as
so far about one-half have done to date.
Those not yet responding should obtain
forms at October sessions so we may com-
plete the information-gathering within a
three-month period to keep data current.
That should conclude the survey for 1985
except for new members joining.
    Members suspended normal business pro-
cedures to hear several guests. James
Hollender of J&KH Software had come from
Alexandria, Virginia to Delaware to hear
the following speaker. In exchange for
the courtesy of the meeting at which SXB
and some other products were described,
a special offer was made for DVUG pur-
chasers that evening. A future visit to
further elaborate on Super Extended Ba-
sic was projected.
    Norm Freedman's presentation of Myarc
activities then followed, and the speak-
er anticipated future participation with
our members. Due to time allocated for
this subject, the anticipated TI-Writer/
Newsletter SIG did not start in Septem-
ber, but will attempt to in October.
    PLEASE NOTE OUR OCTOBER MEETING IS ON
THE 4TH - NOT THE LAST - THURSDAY OF THE
MONTH. That means that New Jersey and
Delaware sessions will be the same week,
due to the calendar. REMEMBER, NOVEMBER
WE'LL SHIFT THE CHRISTIANA MEETING DATE,
due to Thanksgiving.
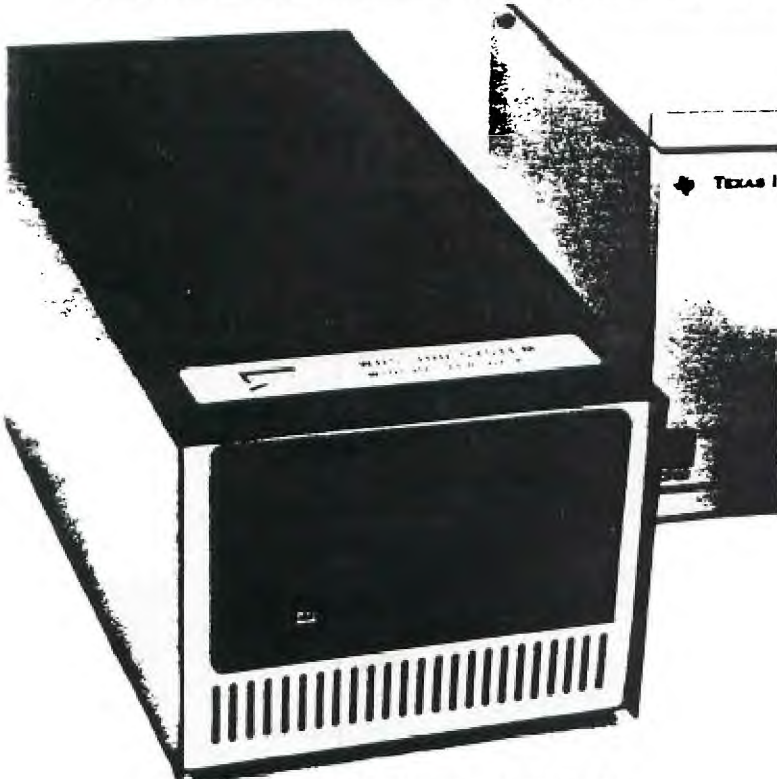
GULP, WHAT A BYTE!

Pressing priorities of personal needs have required that the former DVUG SYSOP (SYStem OPerator) for our Bulletin Board System (TIBBS) in Delaware reluctantly had to yield that assignment.

DVUG's V.P. Tom August and TIBBS Committee members Barry Boland, Jim Davis, Tim Evers, John L. Kelley, Don Newsom and Paul Wells have continued active efforts at improving TIBBS operations. It continues in operation, using (302) 322-3999, under Committee supervision. Their rapid response permitted us to stay on line, retaining the number we have used for the past 18 months, although now relocated. WHEN CALLING FOR VOCAL ASSISTANCE, USE PHONE NUMBERS ON PAGE 2 OF THE DATA BUS, INSTEAD OF THE OLD "HELPLINE".

The need to provide broader-based and more rapid services, including access to our software library file, has suggested one technical option which may offer a solution to several concerns at once.

The committee will present proposals to DVUG's membership for consideration, including possibly buying a Winchester 10-megabyte disk system. In the memory capacity and structure of this piece of equipment is capability for files placed into a series of directories, with up to 127 files to be called. This would permit member access in some areas, such as software, while offering casual callers another series of options. A significant increase in speed plus storage capacity would be obvious immediately. Other considerations such as XMODEM transfer capability can be implemented soon, without some of the cost concerns, onto TIBBS.

MYARC Winchester Disk Systems are now available at significant savings. When originally introduced 3 years ago, list cost was $2500 for 5 MB's, $3000 for 10. DVUG this month received mail from JOHN J. MESHNA, JR., INC., 19 Allerton St., Lynn,MA 01904, (617)595-2275, offering a 5 MB system for $1200, $1400 for 10 MB, NEW, yet our TIBBS Committee has its eyes on even better savings.

Please offer them your considerations when their report is presented at upcoming Deptford and Christiana meetings. It would provide a major innovation for any TI User Group to take such a step. There also are concerns about priorities relative to the large number of South Jersey members, for whom access requires a long distance call. Our Jersey TIXBBS, (609) 435-7301, can run 1200 baud speed; Delaware only 300. YOUR priorities, please.

$$$

DVUG TREASURER REPORT FOR SEPTEMBER,1985

This statement was omitted during the September meeting, when normal procedure was suspended for the special program.

PRIOR BALANCE		913.09
8 new members	120.00	
1 renewal	15.00	
50/50 drawing	20.00	
CorComp drawing	190.00	
INCOME FOR MONTH:		+ 345.00

		1258.09
Aug./Sept.Phone (TIBBS)	17.08	
Newsletter	75.85	
Postage Costs	45.67	
Refreshments	9.94	
EXPENSES FOR MONTH:		- 148.54
		======
CURRENT BALANCE		1109.55

CAVEAT EMPTOR: N. A. G.

Guy-Stefan Romano of the AMNION HELP-LINE (page 6), who has been giving personal assistance to TI-99/4A users since 1981, advised us that he's received over 150 calls from around the country which he described as complaints about the National Assistance Group, referenced on page 6 of this DATA BUS issue.

Romano notes that their product items which you may purchase after procuring a "membership" have included public domain software under other names, such as the Apesoft demo disk NAG lists as "Super Colossal Graphics" and, according to Romano, our own Steve Lawless' MassCopy as a sale item called "Super Disk". (Prices for commercial products are generally above the major catalog sources, too, he says; where's the membership benefit?)

Romano makes other allegations, which generally amount to questioning the bona fides of the NAG.

The DATA BUS contacted Ed York, President of the Cin-Day User Group, who has run the notices about NAG's CPM card in their UG newsletter which were the basis for our comments (on p.6, and in July at p.9). He states that he was given that data by NAG's Dr. Richard Kurtz, over the phone. York has no written specs.

The NAG had sent Cin-Day two membership applications. In the three months since they were mailed back with the $10 checks, only one newsletter has been received, and no other follow-up. While other publications, to be unnamed, have matched such slowness of response, mailing ~ or lack of it ~ regarding product orders with that delay may cause certain legitimate concern.

The DATA BUS has had no contact with the NAG, and the Delaware Valley Users Group has formed no opinion about it.

As with all groups with whom individuals are personally unfamiliar, contacts with local Users Groups may give you the information you need to evaluate such an operation. All product information that appears in this newsletter is provided for information purposes only. The Delaware Valley Users Group does not make commercial endorsements. Unsigned articles are written by the DATA BUS Editor.

MYARC PRODUCTS ...

Any amount of the extra memory above the initial 32K can be allocated to the printer buffer, or "spooler", while the rest is available as additional program workspace. One use shown formatted the RAM Disk into an emulated DSK1., rapidly running TI-Writer and Multiplan files that had previously been loaded into the RAM Disk memory, and simultaneously letting one dozen pages print from the buffer left from another program.

Speedier operating execution was attributed to the solid state elements in the memory expansion card, as well as to the added memory. Freedman used the new 512K card for a demo, but noted that the principle was the same for a 128K card.

With suggestions from a few DVUG members who'd recently obtained Myarc's new Disk Controller Card, Freedman then used several routines from the disk-based "Disk Manager III". Included were CALL DIRectory functions loaded from TI Basic without affecting programs in RAM, and a few assembly language functions, such as CALL LR (like "Call Load"), and CALL LLR (like "Call Link").

These presentations came after an engrossing account of Myarc's involvement with 99/4A products over the past three years. The New Jersey-based firm developed its interfacing Personality Card to run Winchester hard disks in 1983, for TI's international business market and small cost-conscious U.S. concerns. The Mini-Peripheral Expansion System was released in 1984 to meet upgrade needs, as TI's P-Box supply appeared exhausted.

Accordingly, Myarc's products were designed for compatibility with the MPES when an unexpected source of additional TI P-Boxes was found. Myarc then issued its components in separate card format, even redesigning the disk controller to read non-standard (i.e., CorComp) format which had developed popularity in the TI marketplace. Additional P-Box availability, and earlier 99/4A users seeking new capabilities, led to the current trends.

C.R. Distributing,(404)928-8791, provides local retail outlets, or order directly from Triton,(800)227-6900, if you wish a quick source of Myarc products.
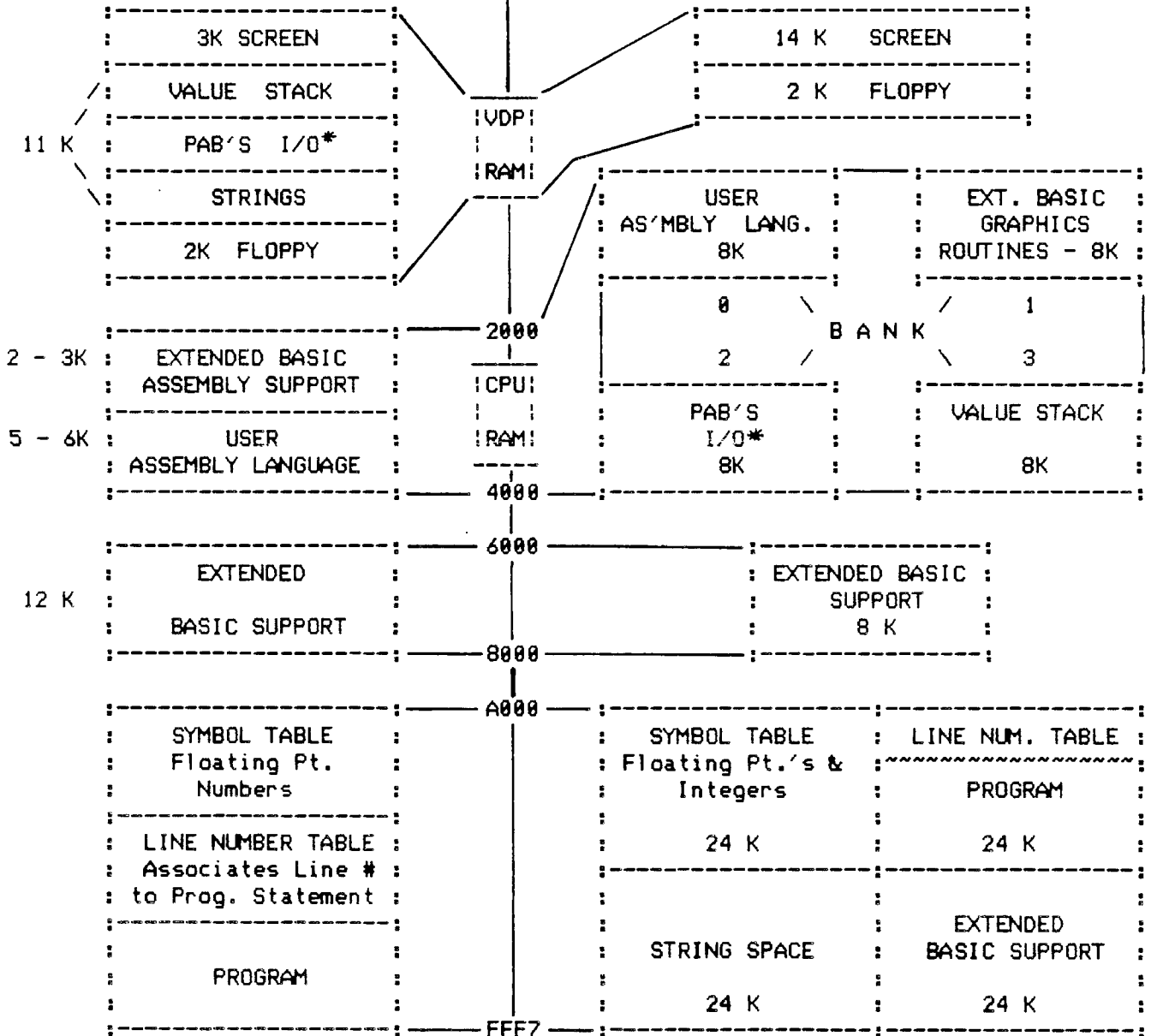
EXTENDED BASIC

MYARC T.M.

EXTENDED BASIC II 128 K. OS

Standard 9918A supports:
Graphics Mode (32x24 + Sprites)
Text Mode   (28x24, No Sprites)

Standard 9918A supports:
Graphics Mode (32x24 + Sprites)
Text Mode   (40x24, No Sprites)
Bit Mapped Mode (192x256 + Sprites)

```
         :-----------------------:                              :-----------------------:
         :     3K SCREEN         :         VDP                  :   14 K    SCREEN      :
         :-----------------------:                              :-----------------------:
      /: :    VALUE STACK        :                              :    2 K   FLOPPY       :
     /   :-----------------------:        |VDP|                 :-----------------------:
 11 K :  :    PAB'S  I/O*        :        |RAM|
     \   :-----------------------:        -----    :--------------------:-------------------:
      \: :      STRINGS          :                 :      USER          :    EXT. BASIC    :
         :-----------------------:                 : AS'MBLY LANG.      :     GRAPHICS     :
         :    2K  FLOPPY         :                 :      8K            :  ROUTINES - 8K   :
         :-----------------------:                 :--------------------:-------------------:
                                                   :     0      \      /     1           :
         :-----------------------:  —— 2000 ——                B A N K
 2 - 3K :   EXTENDED BASIC      :     ----          :     2      /      \     3           :
        :   ASSEMBLY SUPPORT    :     |CPU|          :--------------------:-------------------:
        :-----------------------:     |   |          :     PAB'S          :   VALUE STACK    :
 5 - 6K :      USER            :     |RAM|          :     I/O*           :                  :
        :  ASSEMBLY LANGUAGE    :     ----          :     8K             :      8K          :
        :-----------------------:  —— 4000 ——        :--------------------:-------------------:

                                  —— 6000 ——
        :-----------------------:            ————————————:-------------------:
        :      EXTENDED         :                        : EXTENDED BASIC   :
 12 K   :                       :                        :    SUPPORT       :
        :  BASIC SUPPORT        :                        :      8 K         :
        :-----------------------:  —— 8000 ——            :-------------------:

                                  —— A000 ——  :-------------------:-------------------:
        :-----------------------:             :  SYMBOL TABLE     : LINE NUM. TABLE   :
        :   SYMBOL TABLE        :             : Floating Pt.'s & :~~~~~~~~~~~~~~~~~~~:
        :   Floating Pt.        :             :    Integers      :     PROGRAM       :
        :    Numbers            :             :                  :                   :
        :-----------------------:             :    24 K          :     24 K          :
        :  LINE NUMBER TABLE    :             :-------------------:-------------------:
        :  Associates Line #    :             :                  :                   :
        :  to Prog. Statement   :             :                  :                   :
        :-----------------------:             :                  :    EXTENDED       :
        :                       :             :  STRING SPACE    :  BASIC SUPPORT    :
        :      PROGRAM          :             :                  :                   :
        :                       :             :    24 K          :     24 K          :
        :-----------------------:  —— FFF7 —— :-------------------:-------------------:
```

24 K   —   4 GROMS

*Peripheral Access Blocks

3-10X Increased Speed

USABLE RAM = 37 K

USABLE RAM = 88 K

MICROpendium . . .

(Cont'd. from Page 1)

The DVUG receives appoximately three dozen other Users Groups' Newsletters to be culled through in batches during the month. Your DATA BUS tries eclectically to print items of suspected wide interest. Members' expression of appreciation are most gratifying, but our base of information is often limited.

MICROpendium has done the impossible, replacing the function which 99er Magazine, HCM's predecessor, performed back in 1982-83, giving current product news and analysis, advertisements, excellent utility offerings, reader comments and programs each month. Most significantly, it has become recognized as the TI community's focal point, as it has consistently stuck with news of the 99/4A only. It lists Freeware every alternate month.

Most incredibly, this is done by two people, for the most part, drawing data from Users Groups,individuals, merchants and others across the country. A more useful tool would be hard to find; look over an issue at your next DVUG meeting.

ANNIVERSARY TIME

October,1983: Texas Instruments made the announcement that no more TI-99/4A's would be produced by the company after a total estimated at 2.5 million had been issued. Several other family computers, and one other known only by its initials and commonly called the "Peanut" - with sales of only 500,000 - have bitten the dust since then.

Yet the 99/4A lives, strengthened by a corp of supporters which include many Users Groups throughout the country, and abroad. After April 24,1984, TI ceased to be a source of software, but that has not deterred others, with mixed blessing as the internal architecture has become more known and utilized to the capacity TI never reached, improved by others.

Your Delaware Valley Users Group has over 100 paid-up family memberships with over 200 users in our group. Area school TI users amount to many more. Consider a holiday gift DVUG year's membership - we'll create a colorful announcement.

RECENT PRODUCT NEWS

Dr. Guy-Stefan Romano, Amnion's one-man Helpline, has over 4,000(!) Free Access, or public domain, programs. These may be freely circulated if no charge is made. They include every category, plus a group of Forth programs, also.

The latest catalog details should be in the hands of DVUG by the time you see this Data Bus issue. User-created software is solicited with a note specifying placement into public domain. There are over 100 disks or "volumes" in this collection, which usually cost $5 SS/SD, or $8 on DS/DD disks - or half that, if you send disk, mailer, and postage.

If you want your own order forms, the address is: 116 Carl Street, San Francisco,CA 94117. Amnion sponsors Dr. R's Helpline technical phone assistance, in operation between 9 a.m.-4 p.m. (Pacific time - 3 hrs. from us), Monday through Saturday, (415)753-5581, for all kinds of help regarding your TI.

ASGARD SOFTWARE, P.O. Box 10306,Rockville, MD 20850 has several items worthy of note including the new GRAPHX COMPANION, 2 new disks to complement the Australian GRAPHX drawing program, @ $7.00.

They have had a series of "The Best Public Domain ..." disks available for a while, including Music I, II, and III at $6.95 ($7.95 for III). Music I consists of two disks with over 20 programs; M II classic and operatic music; M III mostly from overseas. TBPD Games I collection includes 20 XB games, $6.95; Games II is an assembly language 6-game set, $5.95.

DISK DATA BASE sorts,prints, catalogs etc. over 10,000 programs with Assembly Language routines, converts Master Disk files. 32K, XB, on 3 disks; $15.

Write for a full calalog/description.

Here's a new upgrade contender:

A CP/M CARD, to run current Z-80 2.2 software on your TI, has been released by THE 99/4A NATIONAL ASSISTANCE GROUP, P.O. Box 290812, Ft. Lauderdale,FL 33329 for $339.95. It does requires a pig-tail cable, for $18.00. The NAG has a 24-hr. info line, (305)583-0467. For $10, they have yearly membership benefits, too.

MORE PRODUCT NEWS ...

CORCOMP has introduced several items, available as stand-alones, or for inclusions in TI's P-Box. Their TRIPLE TECH CARD for the P-Box includes a real time CLOCK/CALENDAR (Yr.,Date,Hr.,Min.,Sec.), 64K PRINTER BUFFER, and a port for TI's Speech Synthesizer board (so that can be removed from alongside). The (parallel only) printer buffer has unique "copy" features, and the Clock/Calendar can be accessed from TI Basic.

The Clock/Calendar, when bought as a separate unit, contains a Load Interupt switch useful for programs such as Danny Michaels' or Quality 99 screen dumps, or Tarik Isani's Microkey. Since the space in the P-Box precludes that feature from inclusion on the Triple Tech card, Cor-Comp is developing a separate switch.

Triple Tech has been running in catalog house ads for $129.95; Clock/Calendar for $79.95.

DATAX, 1923 Linden St., Ridgewood, NY 11385 (718)417-8165, answered our query (July DATA BUS, p.4) with updated data.

TI 1-2-3 Version 2.00, is an XB combo spreadsheet, word processor and a typewriter (dump) program, for $34.95. Runs with tape or disk, 16 or 32K, comes with hard-cover binder documentation. Add $3 first class s/h charges; comes with 15-day money-back guarantee.

PERSONAL ASSISTANT includes the above as well as a database program (capacity not specified), $54.95 & $3 s/h costs.

These three programs come separately:
PERSONAL FILER (database) $24.95;
PERSONAL PLANNER (spreadsheet) $19.95;
PERSONAL WRITER (word processor) $19.95. ($3 and 15-day terms as in the package.)

DA-TAX AUDITOR is a Basic (tape/disk) income tax figurer with spreadsheet and printout options. $9.95 plus $1 s/h.
SPECIFY SYSTEM NEEDS WHEN ORDERING.

Plus ...
BASIC, FORTH and PASCAL VIDEO TUTORIALS are also available from DATAX, VHS format, for beginners. Rental is $14.95 monthly (plus $15 refundable deposit) or $29.95 purchase for each VCR item.
Include $3 first class s/h charges.

GRADEBOOK time is here with the start of a new school year. As Personal Record Keeping won't do the job in a fancy format, teachers can try GRADEBOOK by WREN SOFTWARE, P.O. Box 1138, Castle Rock, CO 80104. $37.50, tape or disk version with printout options. Disk version requires 32K and XB. Uses menu and prompts for a class of 50 students; ranking, weighted scores, averaging, grade calculation.
Also sold for IBM PC & Apples II.
VISA,MC taken. SPECIFY SYSTEM NEEDS.

MILLER GRAPHICS has demonstrated the GRAM Kracker, soon available under $200. It allows LOADING and ALTERING cartridge content via disk OR tape, will load several cartridges at once if you expand to 80K from the provided 48K, and other unbelievable things. WATCH YOUR DATA BUS!

MYARC's 32/128K RAM Disk PLUS the new 128K.OS Extended Basic II Cartridge (see page 5) are available together, for what is the suggested RAM Disk price alone, from TRITON Products Co., P.O. Box 8123, San Francisco,CA 94128, (800)227-6900.
Place your order for item #YXBA, at $249.95, and join the line. The package will be shipped as a pair, after Triton receives them from Myarc. All TI owners who sent back their warranties should be on the Triton mail list.

PILOT 99 Programming Language without a P-Code card can be ordered from author THOMAS P. WEITHOFER, of Ohio's Cin-Day User Group, as Freeware ($10). Write to 1000 Harbury Drive, Cincinnati,OH 45220. Send two disks and postage; with a third disk if you want source coding.

TI-SORT provides single or bi-level sorts on user-defined field, for D/V 80 files created with TI-WRITER or E/A. 300 record and printout capacity. Loads from TI/TK-WRITER Option 3, or E/A Option 5. Demo file, documentation included. $6 to DAVID R. ROMER, 213 Earl St., Walbridge, OH 43465.

A new lucid disk-based reference and step-by-step tutorial to TI-WRITER has been authored by, and is available from, LARRY ROBINSON, 503 Third Avenue, Bonaire,GA 31005, for $15, not copyrighted.

TIPS FROM THE TIGERCUB
Excerpted from

26
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TIGERCUB SOFTWARE
156 Collingwood Ave.
Columbus, OH 43213

Distributed by Tigercub Software to TI-99/4A Users Groups for promotional purposes and in exchange for their newsletters. May be reprinted by non-profit users groups, with credit to Tigercub Software.

So, on to new business -

ANNOUNCING
The TI-99/4A TRAVeler
a magazine-on-disk!
700 sectors of articles and programs in each issue (SS/SD or DS/DD)!
with contributions by Mack McCormick, Ron Albright, and many others!
Special pre-publication prices - $30 for 6 issues; $7 for sample issue (first issue will be Sept 85)
Send your check now to Barry A. Traver, Editor 835 Green Valley Drive, Philadelphia PA 19128 phone (215) 483-1379

To give you an idea of Barry Traver's knowledge of our computer, try this one. I've figured out the why, but I'll have to ask Barry to explain the why of the why!

```
100 ! LINPUT PUZZLE/BUG by
    B.A. Traver
110 ! QUESTIONS? Send SASE
    to Barry Traver
120 ! 552 Seville St.
    Phila. PA 19128
130 CALL CLEAR :: PRINT "LIN
PUT PUZZLE/BUG":"BY BARRY TR
AVER"
140 PRINT "Can you figure ou
t why your computer will not
obey?"
150 PRINT "Why won't it stop
```

```
when you tell it to?": : :
160 LINPUT "Want me to stop?
 (YES/NO)":W$
170 IF W$="YES" THEN STOP EL
SE 160
180 END
```

It seems that many of you still haven't heard of Super 99 Monthly, published monthly (and on time!) by Bytemaster Computer Services, 171 Mustang Street, Sulphur, LA 70663, for $12 per year. The May issue contained a Word Processor Dump, to dump a graphics/text screen into a D/V80 file which can be printed out of the TI-Writer Formatter - that program alone is worth the annual subscription price!

I've said it before, there is more than one way to skin that poor cat. This is my routine to alternate between the #1 and #2 joysticks.
Z=Z+1+(Z=2)*2 :: CALL (JOYST (Z,X,Y)
Compact, isn't it? Now, the Reading-Berks 99ers publish a newsletter called "A Byte of Info", which is hardly more than a byte long, but the August byte was a mouthful! Check this -
100 Z=2
110 Z=1/Z*2 :: CALL JOYST(Z, X,Y)
And this! Elegant!
Z=Z=0 :: CALL JOYST(Z+2,X,Y)

Here is another of those programs that write a program. This one will read a screen of graphics and/or text and convert it into a RUNable program of DISPLAY AT statements which will recreate the screen.
First, we need a file of the hex codes of all the normal characters, to check against to see if any have been redefined. Rather than key in all 95 of the 16-digit codes, let's write

a program to write a program of them -
```
110 OPEN #1:"DSK1.HEXCODES",
VARIABLE 163 :: LN=30000 ::
FOR D=32 TO 124 STEP 8 :: FO
R CH=D TO D+7 :: CALL CHARPA
T(CH,CH$)
120 D$=D$&CHR$(179)&CHR$(200
)&CHR$(16)&CH$ :: NEXT CH
130 PRINT #1:CHR$(INT(LN/256
))&CHR$(LN-256*INT(LN/256))&
CHR$(147)&SEG$(D$,2,LEN(D$))
&CHR$(0):: LN=LN+1 :: D$=""
:: NEXT D
140 PRINT #1:CHR$(255)&CHR$(
255):: CLOSE #1 :: END
```
RUN that to create a MERGE format program of DATA statements. Now, key in the GRAFWRITER program -
```
31000 SUB GRAFWRITER
31001 OPEN #1:"DSK1.PG",OUTP
UT,DISPLAY ,VARIABLE 163
31002 RESTORE 30000 :: L=300
00 :: GOSUB 31018
31003 FOR CH=32 TO 127 :: CA
LL CHARPAT(CH,CH$):: READ A$
 :: IF CH$=A$ THEN 31004 ELS
E GOSUB 31019 :: GOSUB 31018
31004 NEXT CH
31005 FOR CH=128 TO 143 :: C
ALL CHARPAT(CH,CH$):: IF CH$
=RPT$("0",16)THEN 31006 ELSE
 GOSUB 31019 :: GOSUB 31018
31006 NEXT CH
31007 PRINT #1:L$&CHR$(157)&
CHR$(200)&CHR$(5)&"CLEAR"&CH
R$(0):: GOSUB 31018
31008 FOR R=1 TO 24
31009 M$=L$&CHR$(162)&CHR$(2
40)&CHR$(183)&CHR$(200)&CHR$
(LEN(STR$(R)))&STR$(R)&CHR$(
179)
31010 FOR C=3 TO 30 :: CALL
GCHAR(R,C,G):: CALL HCHAR(R,
C,42):: IF F=0 AND G=32 THEN
 31013
31011 F=1 :: IF FF=1 THEN 31
012 ELSE CC=C-2 :: FF=1
31012 A$=A$&CHR$(G)
31013 NEXT C :: IF CC=0 THEN
 CC=1 :: A$=" "
31014 PRINT #1:M$&CHR$(200)&
CHR$(LEN(STR$(CC)))&STR$(CC)
&CHR$(182)&CHR$(181)&CHR$(19
9)&CHR$(LEN(A$))&A$&CHR$(0)
31015 L=L+10 :: F,FF,CC=0 ::
M$,A$="" :: GOSUB 31018 ::
NEXT R
31016 PRINT #1:L$&CHR$(134)&
```

```
CHR$(201)&L$&CHR$(0):: GOSUB
31018
31017 PRINT #1:CHR$(255)&CHR
$(255):: CLOSE #1 :: SUBEXIT
31018 L1=INT(L/256):: L2=L-2
56*L1 :: L$=CHR$(L1)&CHR$(L2
):: L=L+10 :: RETURN
31019 PRINT #1:L$&CHR$(157)&
CHR$(200)&CHR$(4)&"CHAR"&CHR
$(183)&CHR$(200)&CHR$(LEN(ST
R$(CH)))&STR$(CH)&CHR$(179)&
CHR$(199)&CHR$(16)&CH$&CHR$(
182)&CHR$(0):: RETURN
31020 SUBEND
```

Next, Enter MERGE DSK1. HEXCODES to merge in those DATA statements. Then save the program by SAVE DSK1.GRAFWRITER,MERGE

Now, load any program which has a screen you would like to copy. Run the program to the point where the screen display is ready, then break it with FCTN 4. Put in a temporary line going to itself, such as 1001 GOTO 1001, and run the program again to be sure you found the right place. Then replace that temporary line with CALL GRAFWRITER :: STOP

Put in the disk containing the Grafwriter program and enter MERGE DSK1.GRAFWRITER. Then RUN the program. When it stops, type NEW, then MERGE DSK1.PG and then RUN!

Now for a Tigercub challenge that I can't answer! Can one of you assembly programmers tell me how to PEEK out of Extended Basic for screen color and character set colors, so I can reproduce them in that program?

And, thanks to Jerry Glaze in the Southern Nevada UG newsletter, by way of the Tidewater newsletter - you don't need SIZE with DISPLAY AT - just a semicolon!
```
100 DISPLAY AT(12,1):RPT$("*
",28):: DISPLAY AT(12,1):"SE
E?";
```

MEMORY FULL! - Jim Peterson

These handy TI-WRITER commands appeared in Portland, Oregon's PUNN Newsletter, originally submitted by Bob Stephens from the TI Users Group of Will County, Romeoville, Ill. This puts the most-used commands on one page for handy access with your computer. Dual FCTN/CTRL key choices are for typing ease.

EDITOR COMMAND	FCTN	CTRL	EDITOR COMMAND	FCTN	CTRL	EDITOR COMMAND	FCTN	CTRL
Back tab		T	Ins. blank line	8	O	Quit		=	
Beginning/line		V	Insert character	2	G	Reformat		2orR
Command/escape	9	C	Last paragraph		6orH	Right arrow	D	D
Delete character	1	F	Left arrow	S	S	Roll down	4	A
Del. end of line		K	Left margin rel.		Y	Roll up	6	B
Delete line	3	N	New page		9orP	Screen color		3
Line #'s(on/off)	0		New paragraph		8orM	Tab	7	I
Down arrow	X	A	Next paragraph		4orJ	Up arrow	E	E
Duplicate line		5	Next window	5		Word tab		7orW
Home Cursor		L	Oops!		1orZ	Word wrap/fixed		0

Load Files:	LF <enter> DSK1.FILENAME	(loads entire file)
	LF <enter> 3 DSK1.FILENAME	(merges FILENAME with data in memory after line 3)
	LF <enter> 3 1 10 DSK1.FILENAME	(lines 1 thru 10 of FILENAME are merged after line 3 in memory)
	LF <enter> 1 10 DSK1.FILENAME	(loads lines 1 thru 10 of FILENAME)

Save Files:	SF <enter> DSK1.FILENAME	(saves entire file)
	SF <enter> 1 10 DSK1.FILENAME	(saves lines 1 thru 10)

Print Files:	PF <enter> PIO	(prints control characters and line numbers)
	PF <enter> C PIO	(prints without Control characters)
	PF <enter> L PIO	(prints 74 characters with Line numbers)
	PF <enter> F PIO	(prints Fixed 80 format)
	PF <enter> 1 10 PIO	(prints lines 1 thru 10)

NOTE: The above assumes that PIO, DSK1.FILENAME and RS232 are also vaild! To CANCEL the Print command, press FCTN 4.

Delete File: DF <enter> DSK1.FILENAME

Recover Edit:RE <enter> Y or N

Line Move:	M <enter> 2 6 10	(moves lines 2 thru 6 after line 10)
	M <enter> 2 2 10	(moves line 2 after line 10)

Copy: Same as Move except use C instead of M.

Find String:	FS <enter> /string/	(will look for string in entire file)
	FS <enter> 1 15 /string/	(will look for string in lines 2 thru 15)

Replace Str: RS <enter> /old/new/   A(ll), N(ext) or Y(es, this) case S - Stop

Delete: D <enter> 10 15   (deletes lines 10 thru 15 in memory)

Setting Margins and Tabs: (16 tabs maximum)
    L - Left margin   I - Indent   T - Tab   R - Right margin
Use <ENTER> to execute, or COMMAND/ESCAPE to terminate command.

FRIENDS AND NEIGHBORS

In other nearby areas, you might find TI Bulletin Boards, and TI Users Groups. You might let them know we exist in person, if you pay a visit out that way.

Phila. TIBBS   (215)927-6432 Tom Burke
The Other TI BBS (215)676-7393 Mike Bell
COM-LINK   (215)289-4948
7 p.m. to 7 a.m. only; has a
FORTH Forum, too. Sysop Mike Ricco

Tom Burke's also President of PATIUG. If you can't figure that out, attend their meetings. That's the 3rd Saturday/month, LaSalle College, 20th & Olney, in Philly at 10 a.m. They're part of the broader Philadelphia Area Computer Society.

A second meeting is held the 1st Sat. at Temple University, Curtis Hall, Room 100, at 10 a.m. DVUG now gets PATIUG's, newsletter, available for signing out.

The Clifton Hts. User Group has a TI section (also Commodore, Apple). Write:

P.O. Box 235, Clifton Hts.,PA 19018, or call (215)622-6661 for info.

Among the other Users Groups in nearby Pennsylvania are the Chester County 99ers which used to meet at the Downingtown Computer Center. It now meets at St. Joseph's school, Downingtown, on 4th Tuesdays, 7:30-9:30 p.m. At Pennsylvania (Rte. 322) and Maryland Avenues.

In New Jersey, Ocean County seems the nearest activity center. We exchange a newsletter with the Central Jersey 99 Computer Club, which meets regularly the third Monday at the Brick Township Municipal Bldg., at 7:30 p.m. Jeanette Shader serves at SYSOP for their BBS, (201) 929-8161. For other info, (201)477-7263.

Lower Delmarva is not completely out of the scene. A Kent County Users Group has members who are holding meetings on the first Thursday monthly, 7 - 9 p.m., at the Dover Bowl Community Rm., on Rte. 13 slightly south of the new Dover Mall. Rich De Cowsky, (302)284-3644, has info.

CHRISTIANA MEETINGS RESCHEDULED:

NOVEMBER AND DECEMBER MEETING DATES AT CHRISTIANA WILL BE CHANGED DUE TO HOLIDAY CONFLICTS WITH THANKSGIVING AND CHRISTMAS OBSERVANCES. PLEASE NOTE THESE NEW DATES:

THURSDAY, NOVEMBER 14TH
THURSDAY, DECEMBER 12TH

FIRST
CLASS
MAIL

TO:

EDMONTON 99'ER COMP. USERS
P.O. BOX 11983
EDMONTON, ALBERTA
CANADA   T5J 3L1

Please note meeting dates & your renewal date carefully. Thank you!