

# BLUEGRASS 99 COMPUTER SOCIETY, INC.

Heart of the

Bluegrass

# BYTEMONGER

LEXINGTON, KENTUCKY

MAY 1988

## MEETING NOTES

by WESLEY R. RICHARDSON

The May meeting of the BLUEGRASS 99 COMPUTER SOCIETY, INC. will be held on Thursday, May 5, 1988, beginning at 7:00 P.M. at the KENTUCKY UTILITIES OPERATIONS CENTER, 500 Stone Road, Lexington, Kentucky. The library will open at 6:30 P.M. and will be open again during the break and after the meeting. This month features two programs by Canadian authors.

### c99 PROGRAMS

William Bisson will demonstrate some c99 programs and discuss how to compile, assemble and run programs written in c99. The c99 language is becoming popular on the TI-99/4A computer because of the similarity to C99 for other computers. While c99 is similar in structure to Pascal and FORTRAN, once compiled and assembled, the programs run in machine language.

Clint Pulley wrote c99 for the TI and distributed it as user supported fairware. The latest version is release 4.0, which is now in the BLUEGRASS library. Requests for copies of c99 release diskettes should include two formatted SSSD disks in a mailer and \$1.00 for return postage. Clint Pulley suggests a donation to him of \$20.00 if you use c99 and find it of value. Send your donation to:

Clint Pulley  
38 Townsend Avenue  
Burlington, Ontario  
Canada L7T 1Y6

### TELCO V1.3

Rich Hubbard will discuss and demonstrate TELCO V1.3. This is a new terminal emulator program for the TI-99/4A. Telco is menu driven and incorporates most of the features of other communication programs plus many conveniences such as automatic dialing and sign-on. The Telco program and manual are Copyright (c) 1988 by Charles Earl. Users may try the program on a limited basis to see if they like it, but must register if they wish to continue to use it. The registration fee is \$20.00. To order copies of Telco, register, or obtain written permission, contact:

Charles Earl  
34 McLeod Street  
Ottawa, Ontario  
Canada K2P 0Z5

### ASSEMBLY SIG

Starting on May 7, 1988, the ASSEMBLY Special Interest Group (SIG) will meet each Saturday morning from 9:00 AM until 12:00 noon. The first meeting will introduce how to enter, assemble and run assembly programs. A comparison between BASIC and assembly programs will be made. Please bring at least one blank disk to the meeting, plus a notepad if you wish to make notes. The meeting place will be announced on May 5.

### DM1000 V4.0 BUG

I recently discovered a bug in Disk Manager 1000 version 4.0. When using disk utilities to rename a disk, if you delete a character in the first character position, then the used and free sector directory gets changed to values such as 2000 free and 3000 used. DM1000 v3.8 also has this bug, however DM1000 v3.5 on Funnelweb 4.0 does not.

# B-I-G BUCKS

FIRST OF A SERIES

by C. ZARGER

BLUEGRASS 99 COMPUTER SOCIETY, INC.

This program uses a moving average to determine when a recent change in stock market price trends is real. IT DOES NOT PREDICT ANYTHING!!!! It merely confirms that a real change has occurred.

Some of the features of this program are: menu driven, you select the smoothing length, adaptable to individual stocks but written for mutual funds. When completed, you will be able to correct any errors you have made. The program is patterned after a program which appeared in the COMPUTER SHOPPER magazine (January, 1987). It was written for an off color (BLUE?) machine.

To run the program, run 'DSK1.BIGBUCKS', note the program disk must be in DSK1 or change it in the program lines. It is written in Extended Basic, and one subprogram requires memory expansion. I ran the program on S&P 500 data from before the CRASH, and it did NOT advise me to get out until after the event had occurred. I also ran it on a couple of mutual funds which I have been following. One time it advised me to sell prior to the crash, the other time after that occurrence. Further, it appeared to be subject to being caught in a whipsaw more than once during the volatile times prior to the crash.

The program will let you view the records, or print them. As previously stated, it gives free buy or sell advice. It (the advice) is probably worth what was paid for it.

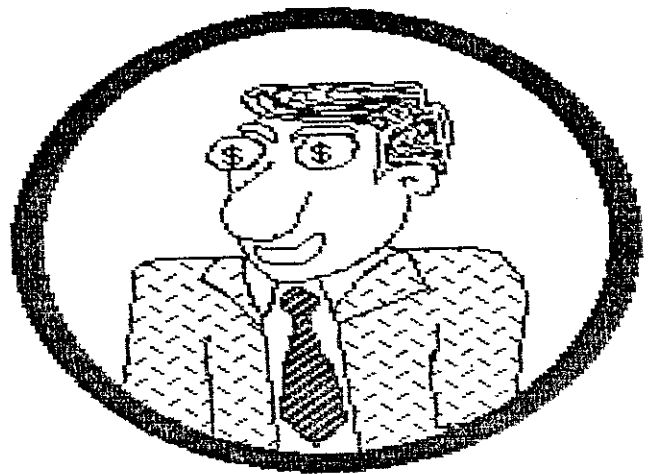
So why not try your hand at making BIG BUCKS on paper to see how you stack up against THE computer (TI-99/4A, naturally). Have fun, but remember, I didn't say it works.

NOTE: The programs which are required for BIGBUCKS include the following: BIGBUCKS BUCKOPEN BUCKUPDATE BUCKCHANGE BUCKPRINT and BUCKSEE. These programs will be included in the BLUEGRASS 99 COMPUTER SOCIETY newsletter the BYTEMONGER in three installments over May, June and July, 1988.

```

10 ! $$$$$$$$$$$$$$$$$$$$$
20 ! $      BIGBUCKS      $
30 ! $      By C Zarger   $
40 ! $Bluegrass 99 Computer$
50 ! $      Society, INC  $
60 ! $      MAIN MENU    $
70 ! $$$$$$$$$$$$$$$$$$$$$
100 DISPLAY AT(3,10)ERASE ALL:"BIG BUC

```



```

K$: :TAB(10);"MAIN MENU"
110 DISPLAY AT(7,1):"Choose one of the
following:": :TAB(6);"1 Start a fil
e:": :TAB(6);"2 Update a file:"
120 DISPLAY AT(13,6):"3 Correct a recor
d:": :TAB(6);"4 View a file:": :TAB
(6);"5 Print a file:"
130 DISPLAY AT(19,6)BEEP:"6 Program exp
lanation:": :TAB(6);"7 Quit:": :TAB
(6);"Your Choice? 2"
140 ACCEPT AT(23,19)SIZE(-1)VALIDATE("1
234567"):Q :: IF Q=7 THEN 510
150 IF Q=1 THEN 160 ELSE IF Q=2 THEN 17
0 ELSE IF Q=3 THEN 180 ELSE IF Q=4
THEN 190 ELSE IF Q=5 THEN 200 ELSE
210
160 RUN "DSK1.BUCKOPEN"
170 RUN "DSK1.BUCKUPDATE"
180 RUN "DSK1.BUCKCHANGE"
190 RUN "DSK1.BUCKSEE"
200 RUN "DSK1.BUCKPRINT"
210 DISPLAY AT(2,10)ERASE ALL:"Big Buc
k$: :TAB(5);"PROGRAM EXPLANATION"
220 DISPLAY AT(6,2):"This is a database
program with limited calculation"
:"capabilities. The program is":"re
ally a series of small"
230 DISPLAY AT(11,1):"programs which ar
e loaded from the MAIN MENU using
theX-Basic RUN command. You":"must
select option 1 and"
240 DISPLAY AT(15,1):"establish a file
before 2 thru 5 can be selected.
Oncea selection is made, just ent
er the data requested on"
250 DISPLAY AT(19,1):"each screen. The
program ac-cepts entered data, proc
ess-es it, and saves it to the dis
k & filename you provide."
260 INPUT "PRESS ENTER TO CONTINUE":Q$

```

**LIBRARY CATALOG** By Dallas Phillips

When we look at a diskname it often gives us little or no idea as to what the disk is about. We need a classification system that will tell us something about the contents of a diskette or disk and will aid in locating, cataloging, and prevention of duplication of programs in a disk library. If we start using such a system in our club library and our personal disk libraries it can eliminate many headaches.

The Dewey Decimal classification system for printed materials has been in use for many years. It is what allows the World's libraries to catalog and locate every book they have without duplication. About a year ago, I read that computer disks and diskettes had been included in the system. This looked as if it could be the greatest thing since sliced bread so I asked the local librarian for a look at the Dewey catalog. After about three months of searching I finally contacted Kentucky's Library Information Service. (There actually are a FEW advantages to being a teacher - very few.) Two days later they called back with the "nitty gritty". The first three digits had been assigned but they only say, "This is a computer disk or diskette".

The other digits will be assigned as new disks are registered. This only applies to commercially distributed material and then only if it has been listed. We may see it in use, in the public library, within a few years.

The Dewey Decimal system will give us very little help, and that not soon so I have attempted to devise a system. It is presented here. I think of it as a Universal Mnemonic Inventory System (UMIS), for disks and diskettes. Although it is based on English it can be used with other languages. It is still far from complete but, if its use should ever become widespread it, like the Dewey, will never be finished.

The TI gives us ninety nine characters to work with. Some computers have more and some can use the period. Some can also use more than ten characters in a diskname. Even with the most limited computers the number of possible combinations is quite large.

A master catalog can be made up, listing the programs each member has. This master catalog can then be distributed to TI club membership. This will enable each of us to know what type of programs each person deals with so we know who to ask for help, when we need it, or to see a program in use, if we consider purchasing it.

UMIS should be a considerable amount of help here, but, regardless of its worth, no system will continue to work without maintainence. I suggest that the people who use UMIS keep a list of all disknames they create and turn the list in to the persons in charge of updating the club's catalog. Some names will have to be modified, to avoid duplication. We can distribute updated charts quarterly and, if the system is good enough to spread beyond Kentuckiana, communications will have to be established and maintained between all clubs who use it. This is a good thing. Anything that will cause more interaction of TI-99/4A club members is good, to my way of thinking.

I know of no better way to present this idea than in this newsletter. If you feel it has merit we will include any additions you believe would be used and please feel free to offer any suggestions for changes.

Like any new system, this one will seem awkward until it is learned but it is mnemonically based so it should be very easy to use. If a cross-index chart is used in naming disks most of the characters will soon be remembered so the chart will seldom need to be referred to.

With this system every diskname will start with four characters that will indicate the major category and a subcategory of the contents of the disk. A total of five characters will be used. The remaining characters will be the "actual diskname". Examples will explain best.

The first chart is an alphabetically arranged list of main headings. This list will become much larger but we should keep as few headings as is practical. The second chart is a list of subheadings. This list may eventually be much longer but the system is not supposed to give a complete description. We have five remaining character spaces to complete this.

#### A FEW SIMPLE RULES

A SET ALWAYS CONSISTS OF TWO CHARACTERS.

IT MAY CONSIST OF ANY TWO LETTERS, A LETTER FOLLOWED BY ANY CHARACTER OTHER THAN A PERIOD OR A NUMERAL, ANY TWO CHARACTERS OTHER THAN A PERIOD OR A NUMERAL OR A NUMERAL FOLLOWED BY A LETTER OR OTHER CHARACTER EXCEPT A PERIOD. NOTICE that a numeral cannot be the last character in a set.

THE FIRST SET (2 characters) INDICATES THE MAIN SUBJECT (No separator follows this set)

...BUCKS

```

270 DISPLAY AT(2,10)ERASE ALL:"BIG Buck
  $": :TAB(5);"PROGRAM EXPLANATION"
280 DISPLAY AT(6,2):"Option 1 establish
  es a":"file which is accessed by":"
  options 2 thru 5. option 2":"lets y
  ou add records. the"
290 DISPLAY AT(10,1):"choices you have
  under op-":"tion 2 include tracking
  en-":"tries, buy or sell shares,":
  "or switch funds. You can"
300 DISPLAY AT(14,1):"also calculate in
  terest":"earned on money market":"f
  unds, if appropriate. Op-":"tion 3
  provides a record"
310 DISPLAY AT(18,1):"correction capabi
  lity, whileoptions 4&5 allow viewin
  g orprinting the file. Option 7 exi
  ts from the program."
320 INPUT "Press enter to continue":Q$
330 DISPLAY AT(2,10)ERASE ALL:"BIG Buck
  $": :TAB(5);"PROGRAM EXPLANATION"
340 DISPLAY AT(6,2):"The view and print
  options":"have a BUY and SELL sign
  al feature. This feature is":"base
  d on a COMPUTER SHOPPER"
350 DISPLAY AT(10,1):"Magazine program
  (Jan 87). It compares current shar
  e values to a moving average fur
  nished by you in the Open"
360 DISPLAY AT(14,1):"File program. If
  the value is higher than the movin
  g":"average, a BUY signal is":"give
  n. When the value moves"
370 DISPLAY AT(18,1):"down thru the ave
  rage, a":"SELL signal is flashed.":
  TAB(7);"NO GUARANTEES!!!"
380 INPUT "Press ENTER to continue":Q$
390 DISPLAY AT(2,10)ERASE ALL:"BIG Buc
  k$": :TAB(5);"PROGRAM EXPLANATION"
400 DISPLAY AT(6,2):"BIG BUCK$ is the n
  ame of theprogram. Be aware that yo
  u can lose BIIG$$$ as well as make
  them in the market."
410 DISPLAY AT(11,2):"So what good is t
  he program?Well I don't know. It do
  es allow you to track various sto
  cks to determine how ac-"
420 DISPLAY AT(16,1):"curate it is. It
  will also provide a record of your
  fiscal transactions. I don'tkno
  w if the IRS will accept"
430 DISPLAY AT(20,1):"it as auditable,
  so don't":"call me if you are audit
  ed."
440 INPUT "Press ENTER to continue":Q$
450 DISPLAY AT(2,10)ERASE ALL:"BIG Buck
  $": :TAB(5);"PROGRAM EXPLANATION"

460 DISPLAY AT(6,2):"The program is men
  u driven, so just respond to the me
  nu.You make the choices or":"provid
  e the requested data,"
470 DISPLAY AT(11,1):"and the program t
  akes over.": :TAB(2);"Exact date se
  quence data":"entry is not required
  . The"
480 DISPLAY AT(15,1):"program will orde
  r them for you. It then saves the d
  ata to disk in date order."
490 DISPLAY AT(19,2):"Use it with care
  and": :TAB(7);"GOOD LUCK": : "Press
  ENTER to continue" :: INPUT Q$
500 GOTO 100
510 END

- - - - -
10 ! $$$$$$$$$$$$$$$$$$$$$$$$$
20 ! $          BUCKOPEN          $
30 ! $          By C Zarger        $
40 ! $Bluegrass 99 Computer$
50 ! $          Society, INC       $
60 ! $$$$$$$$$$$$$$$$$$$$$$$$$
70 DISPLAY AT(2,7)ERASE ALL:"B-I-I-G
  Buck$": :TAB(9);"OPEN FILE": : "E
  nter requested data ..."
80 DISPLAY AT(10,1):"Fund (FILE) name:
  ": : "Data drive #:2": : "Data date(Y
  YMMDD)": : "Equity or MoneyMkt?(E/M
  ):E"
90 DISPLAY AT(18,1):"Shares owned:: :
  "Share price $": : :TAB(4);"Correct
  ? (Y/N) Y"
100 ACCEPT AT(10,18)SIZE(10):N$ :: ACCE
  PT AT(12,14)SIZE(-1)VALIDATE("1234"
  ):DR :: FN$="DSK"&STR$(DR)&". "&N$
110 ACCEPT AT(14,19):DD$ :: ACCEPT AT(1
  6,26)SIZE(-1)VALIDATE("EMem"):T$ ::
  ACCEPT AT(18,14):N :: ACCEPT AT(20
  ,14):V
120 IF T$="M" OR T$="m" THEN DISPLAY AT
  (22,1)BEEP:"INTEREST RATE (%):" ::
  ACCEPT AT(22,19):I
130 ACCEPT AT(23,19)SIZE(-1)VALIDATE("Y
  Nyn"):Q$ :: IF Q$<"Y" AND Q$<"y"
  THEN 100
140 A$=RPT$(" ",56):: FOR Q=6 TO 22 STE
  P 2 :: DISPLAY AT(Q,1):A$ :: NEXT Q
  :: DISPLAY AT(8,6)BEEP:"SMOOTHING
  FACTOR"
150 DISPLAY AT(10,1):"Need instructions
  ? (Y/N) N" :: ACCEPT AT(10,26)SIZE(
  -1)VALIDATE("YNyn"):Q$ :: IF Q$<"N
  " AND Q$<"n" THEN GOSUB 230
160 FOR Q=10 TO 22 STEP 2 :: DISPLAY AT
  (Q,1):A$ :: NEXT Q :: DISPLAY AT(10
  ,1):"Generally accepted smoothingle

```

# THE PAPER LIBRARY

by Ed Powell  
BLUEGRASS 99 COMPUTER SOCIETY, INC.

# LIBRARY NOTES

By Mark Armstrong

The February issue of the West Jax 99er News contains a very good introduction to The Printers Apprentice by Rick Felzien. I have heard comments about this program being difficult to get started with. This article should make getting started easier.

Recovering data from a ramdisk whose ROS has been lost is the subject of an article by Hal Tonkin of the Ottawa User Group in their December 1987 newsletter. There is a reprint in the February 1988 issue of the Sudbury 99ers newsletter. If you own a ramdisk you should look at this one.

The Boston Computer Society's Mike Wright presents a real and simple IBM connection.

1. Make a cable. The PC end requires a DB-25 female. The TI end requires a DB-25 male.

Connect:

TI	IBM
1	1
2	2
3	3
6	20
7	7
20	6

2. Load a comm program on the PC. He used Crosstalk XVI. With the command 60 LOCAL the PC listens to the RS232 port.

3. Key in the following short program, use Fast-Tera or equivalent and run.

```
100 OPEN#1:"RS232.BA=9600",OUTPUT
110 OPEN#2:"DSKn.FILENAME",DISPLAY,VARIABLE 80,INPUT
120 LINPUT#1:A$ 130 IF EOF(1) THEN CLOSE#1::CLOSE#2::STOP
140 PRINT#1:A$::GOTO 120
```

More detail can be found in their December, 87 newsletter.

Several months ago, we reported that the FCC proposed a rule to allow telephone companies to impose an access fee on commercial bulletin boards. We urged to you write the FCC and your Representatives and Senators to express your opposition to this fee. As a direct consequence of the letters to the FCC and the Congress, the FCC has abandoned the proposal. The Wall Street Journal reported that the FCC recognized the grass roots opposition to the fee and abandoned the proposal to pacify the Congress.

New disks are being received in the library every month. These are the latest programs available in the TI world and include fairware and commercial programs. An Assistant Librarian is needed to review these programs and prepare copies of the fairware for sale at the monthly meeting. The Society will supply the disks, disk envelopes, and label print program used in making the copies of the fairware disks. The commercial programs cannot be copied for sale; however, they must be labeled for inclusion in the library. After making copies of fairware, the Assistant Librarian is responsible for having a "For Sale" ad put in the Bytemonger and bringing the sale disks to the monthly meeting and briefly announcing what disks are available for sale. From time to time, the Assistant Librarian may want to have a sale on fairware already in the library. For this reason, the Assistant Librarian will have total access to the disk library. Any one interested in this responsible position should see Mark Armstrong at the meeting or call him at 264-6392. Only members residing in the Lexington area can be considered for this position.

## FOR SALE

This month we will have TELCO, a computer communications package for sale. This set of programs represent the state of art for communications for the TI. Many feel it represents the futherest extension possible of the capacities of the TI. Even if you are not currently involved in telecommunication, you should have this package if you think you will ever use a modem. Because of the length of the TELCO package, it will be sold both archived for those who want to hold down their costs. It will also be available in regular format. See the announcement below for an archiver program.

In addition to TELCO, Disk Manager v.4.0 will also be available. The diskette will include Archiver v. 2.4 which you will need to unarchive TELCO if you buy the archived version. DM 1000 v.4.0 does not have documentation. This will be supplied when it becomes available. The archiver program is documented. Both of these programs are extremely useful. DM 1000 v. 4.0 should be in your library as the most recent update and Archiver will become more and more useful as more and more programs are being archived.

Finally, the most recent version of c99 will be available for sale. This language will be demonstrated at the meeting. It is a powerful language far eclipsing Extended Basic and if you are interested in another computer language but are put off by assembly, this is the one for you.

...BUCKS

```

ngths are 39 and 48 weeks"
170 DISPLAY AT(12,1):"(195 and 240 days
, respec- tively). You may choose
any number of days for the":"smoothing
length, but make"
180 DISPLAY AT(16,1):"it a multiple of
five.": "Smoothing length? " :: AC
CEPT AT(18,19):SL :: IF SL/5<>INT(S
L/5)THEN 180
190 DISPLAY AT(22,1)BEEP:"Put DATA disk
in drive";DR:"then press ENTER." :
: ACCEPT AT(23,19):Q$
200 S=INT((10/SL)*1000+.5)/1000 :: OPEN
#1:FN$,UPDATE,RELATIVE,INTERNAL ::
PRINT #1,REC 0:DD$,V,N,T$,I,S,0 ::
CLOSE #1
210 FOR Q=10 TO 22 STEP 2 :: DISPLAY AT
(Q,1):A$ :: NEXT Q :: DISPLAY AT(10
,1)BEEP:N$:" file started.":"Return
ing to MAIN MENU."
220 FOR Q=1 TO 500 :: NEXT Q :: RUN "DS
K1.BIGBUCKS"
230 FOR Q=7 TO 23 STEP 2 :: DISPLAY AT(
Q,1):A$ :: NEXT Q :: DISPLAY AT(10,
1):"The smoothing length deter- min
es how often the BUY or"
240 DISPLAY AT(12,1):"SELL signals are
given. The higher the length, the l
ong-er between signals. Too long a l
ength results in too few"
250 DISPLAY AT(16,1):"signals; too shor
t a length results in too many. The
best smoothing length for one
timeframe may be totally"
260 DISPLAY AT(20,1):"wrong for another
. Adjust your length to suit curr
ent conditions." :: FOR Q=1 TO 4000
:: NEXT Q :: RETURN
- - - - -
10 ! $$$$$$$$$$$$$$$$$$$$$$
20 ! $ BUCKPRINT $
30 ! $ By C Zarger $
40 ! $Bluegrass 99 Computer$
50 ! $ Society, INC $
60 ! $$$$$$$$$$$$$$$$$$$$$$
100 FOR X=0 TO 8 :: READ L$(X):: NEXT X
110 DATA "1ST ENTRY",TRACK,BUY,SELL,SWI
TCH,"CSH DVND","REINV DVND",SMOOTH,
INTEREST
120 DISPLAY AT(2,7)ERASE ALL:"B-I-I-G
BUCK$": :TAB(8);"PRINT FILES": "En
ter requested data . . ."
130 DISPLAY AT(10,1)BEEP:"Fund (FILE) n
ame:": "Data drive #: 2": "Start
date(YMMDD)": " :: DISPLAY AT(22,4)B
EEP:"Correct? (Y/N) Y"
140 ACCEPT AT(10,18):N$ :: ACCEPT AT(12
,15)SIZE(-1)VALIDATE("1234"):DR ::
ACCEPT AT(14,20):DD$ :: ACCEPT AT(2
2,19)SIZE(-1)VALIDATE("YNyn"):Q$
150 FN$="DSK"&STR$(DR)&".":SN$ :: IF Q$<
>"Y" AND Q$<>"y" THEN 140
160 OPEN #1:FN$,UPDATE,RELATIVE,INTERNA
L :: OPEN #2:"PIO",OUTPUT
170 PRINT #2:TAB(INT(75-LEN(N$))/2);N$&
" FUND": :TAB(4);"TYPE";TAB(16);"DA
TE";TAB(27);"SHARES";TAB(38);"BALAN
CE";
180 PRINT #2:TAB(52);"NAV";TAB(62);"POS
ITION";TAB(73);"ADVICE" :: TN,BUY,S
ELL=0
190 IMAGE "#####" ##### ###
.### ##### $###.## $#
###.## #####
200 INPUT #1,REC 0:D$,V,N,T$,I,S,Q :: I
T,IV=V :: IN,TN=N :: IP=INT(V*N*100
+.5)/100 :: ID$=D$ :: IF D$=DD$ THE
N 250 ELSE RN=1
210 FOR CT=0 TO -1 STEP -1 :: INPUT #1,
REC RN:ID$,IV,IT,IN,IP,TYPE :: CT=(
ID$>DD$)
220 IF TYPE>1 AND TYPE<>5 THEN TN=TN+IN
230 IF CT<0 THEN 250
240 RN=RN+1 :: OT=IT :: NEXT CT
250 IF RN=0 THEN X=0 ELSE IF TYPE=1 THE
N X=1 ELSE IF TYPE=2 AND IN>0 THEN
X=2 ELSE IF TYPE=2 AND IN<0 THEN X=
3
260 IF TYPE=3 THEN X=4 ELSE IF TYPE=4 A
ND IN=0 THEN X=5 ELSE IF TYPE=4 AND
IN>0 THEN X=6 ELSE IF TYPE=5 THEN
X=7 ELSE IF TYPE=6 THEN X=8
270 IF BUY=2 THEN BUY,SELL=0 ELSE IF TY
PE=4 THEN BUY,SELL=2 :: ADJ=1-INT((
IV/OV)*1000)/1000 :: IT=INT(IT*ADJ*
10000)/10000
280 IF TYPE=4 OR RN<9 THEN A$=" " :: GO
TO 310
290 IF BUY=0 AND IV>OT THEN A$="BUY" ::
BUY=1 :: SELL=0 :: GOTO 310
300 IF SELL=0 AND IV<OT THEN A$="SELL"
:: SELL=1 :: BUY=0 ELSE A$=" "
310 PRINT #2,USING 190:L$(X),ID$,IN,TN,
IV,IP,A$
320 OT=IT :: OV=IV :: IF RN=Q THEN 330
ELSE RN=RN+1 :: INPUT #1,REC RN:ID$
,IV,IT,IN,IP,TYPE :: TN=TN+IN :: GO
TO 250
330 CLOSE #1 :: CLOSE #2 :: DISPLAY AT(
10,1)BEEP ERASE ALL:"Print complete
d.": "Returning to Main Menu."
340 FOR T=1 TO 500 :: NEXT T :: RUN "DS
K1.BIGBUCKS"
-----

```

CATALOG

THE SECOND SET (2 characters) NARROWS THE SUBJECT DOWN TO A SINGLE TOPIC. (A slash or a numeral follows.).

There are 2 exceptions:

1. You may use only one set. In this case it is followed by the separator or a numeral.
2. You may use three sets. This will only be used when the third set will complete the description but a numeral may follow as a date, etc.

EXAMPLES

PBNSO12188 - (Publishing, News/Newsletter, Jan 21, '88)

IVGLO188RC - (Inventory, Glass/Glassware, Jan '88, Company Initials)

DRMU/MUPNT - (Drawing/Drafting, Music, Dskname [Dallas Phillips's Musicprint])

MSCP/N&B - (Miscellaneous, Computer/Computer Use, Nuts & Bolts)

MX/GOODPRG - (Mixed good programs)

EGCVWS/'88 - (Engineering, Civil, Watershed, '88)

BZAX/UCAN - (Business, Assorted, By UCAN) [UCAN's Business Pack]

You've got it. Try it, add to it and, if you think it is worth anything, keep us posted so we can keep it updated. Remember the simple rules and your disknames can be mixed with and cataloged as everyone else's. There is always a tendency to ignore any change. This is an easy one to learn but if ANYONE has a suggestion for a better method of identifying and cataloging disks LET IT BE SEEN. We really need it. If not, let's try this one. Perhaps it will do the job for us.

FIRST TWO CHARACTER SET

MAIN CATEGORY (no separator follows)

Agriculture	AG	Library; Book,	
Assorted	AX	Music, Etc.	LB
Bulletin Board	BB	List	LS
Business	BZ	Math	M#
Catalog/Load	CL	Medical	MD
Communications	CM	Merchandise	ME
Computer Control	CC	Miscellaneous	MS
Computer/		Mixed	MX
Computer Use	CP	Modem	MO

Conservation	CN	Music	MU
Copy	C*	News/Newsletter	NS
Disk	DS	Not Available/	
Documentation or		Not Applicable	NA
Instructions	DO	Printer Control	PC
Drawing or Drafting	DR	Printing Aid	PA
Educational	ED	Programming Aids	PG
Engineering	EG	Publishing	PB
Entertainment	EN	Real Estate	RE
Financial	FI	Religion/Religious	RL
Food	FD	Search	SH
Game	GM	Sports	SP
Geneology	GY	Spread Sheet	SS
Graphic	GR	Travel	TR
Information	IF	Utility	UT
Inventory	IV	Wildlife	WL
Investment	IT	Woodworking/Wood	WW
Language; Human	LA	Word Processor	WP
Languages; Computer	LC	Work Disk	WD

FIRST TWO CHARACTER SET

MAIN CATEGORY (no separator follows)

AG	Agriculture	LI	Library; Book, Music, Etc.
AX	Assorted	LS	List
BB	Bulletin board	M#	Math
BZ	Business	MD	Medical
C*	Copy	ME	Merchandise
CC	Computer Control	MO	Modem
CL	Catalog/Load	MS	Merchandise
CM	Communications	MU	Music
CN	Conservation	MX	Mixed
CP	Computer/Computer Use	NA	Not Available or Not Applicable
DE	Design	NS	News/Newsletter
DO	Documentation or Instructions	PA	Printing Aid
DR	Drawing/Drafting	PB	Publishing
DS	Disk	PC	Printer Control
ED	Educational	PG	Programming Aid
EG	Engineering	PR	Printing/Printing
EN	Entertainment	RE	Real Estate
FD	Food	RL	Religion/Religious
FI	Financial	SH	Search
GM	Game	SP	Sports
GR	Graphic	SS	Spread Sheet
GY	Geneology	TR	Travel
IF	Information	UT	Utility
IT	Investment	WD	Work Disk
IV	Inventory	WL	Wildlife
LA	Language, Human	WP	Word Processor
LC	Language, Computer	WW	Woodworking/Wood

CATALOG

SECOND TWO CHARACTER SET — SUB CATEGORY  
 Separator follows unless third set is used  
 (See text)

Adventure	AD/	Entertainment	EN/
Air	AI/	Ex-Popular	<P/
Aircraft	AC/	Exercise	EX/
Aluminum	AL/	Exponential	XP/
Amps	#A/	Extended Basic	XB/
Animal Husbandry	AH/	Fat	FT/
Arcade Games	AK/	Fish/Fishing	FS/
Arithmetic	A#/	Fly/Flying	FL/
Art	AT/	Folk	FK/
Assembly	AS/	Football	FB/
Assorted	AX/	Footracing/Running	FR/
Automobile Racing	AR/	Forth	FO/
Automobile/	AR/	General	GN/
Automotive	AU/	Geographical	GE/
BA Writer	BW/	Glass/Glassware	GL/
Ballad	BD/	Golf	GF/
Balloon/Ballooning	BN/	Gospel or Sacred	GO/
Baseball	BS/	Handball	HB/
Basic	BA/	Hardware	HD/
Basketball	BK/	Highway/Road	HW/
Beverage	BV/	Hockey	HK/
Bible	BI/	Holiday	HO/
Bird/Birds	B^/	Home	HM/
Bluegrass	BG/	Horseracing	HR/
Box/Boxing	BX/	Horticulture	HE/
Brass	BR/	Hunting	HU/
Building	BU/	Hydraulic	HY/
Bulletin Board	BB/	Income	IM/
Business	BZ/	Instrument/	
Calories	CA/	Instrumental	IS/
Carbohydrates	CB/	Interest	IN/
Carpentry	CY/	Investment	IT/
Checkbook/Check	CK/	Jazz	JZ/
Cholesterol	CH/	Jumping	JG/
Civil	CV/	Koran	KO/
Climb/Climbing	CG/	Language; Computer	LC/
Cobal	2C/	Language; Human	LA/
Computer or		Loan	LN/
Computer Use	CP/	Logo	LO/
Concrete	CO/	Lumber	LU/
Contents	CS/	Mail/Mailing	MA/
Count	CT/	Math	M#/
Country/Western	CW/	Mechanical	MC/
Current	*C/	Mental	MT/
Diabetes/Diabetic	DB/	Metal/Metalwork	ME/
Diet	DT/	Mixed	MX/
Disk Catalog	DC/	Modem	MO/
Disk Library	DL/	Multiplan	MP/
Disk Management/		Music	MU/
Disk Manager	DM/	News/Newsletter	NS/
Earth	EH/	Not Available or	
Easy/Easy Listening	EZ/	Not Applicable	NA/
Editor/Assembler	EA/	Novelty	MV/
Electricity and/or		Ohms	#O/
Electronics		Painting	PT/

Paper	PA/	Speech	SC/
Personal		Statistics	SX/
Record Keeping	PK/	Steel	SL/
Picture	PE/	Stock	
Pilot	PI/	Mdse. or animals	ST/
Plato	PL/	Stocks/Bonds/	
Popular	PP/	Stock Mkt.	SB/
Poster	PO/	Swimming	SW/
Power	*P/	TI Writer	TW/
Prescription	RX/	Tennis	TN/
Pressure	PS/	Terminal	TM/
Printed/Printer	PR/	Terminal Emulator	TE/
Protien	PN/	Topical	TP/
Ragtime	RG/	Torah	TH/
Railroad	RR/	Typing	TY/
Read/Reading	RD/	Unknown	UK/
Recipie	RC/	Utility	UT/
Religious	RL/	Volts	#V/
Resistance	*R/	Walking	WK/
Rock	RK/	Water	WA/
Run/Running	RN/	Watershed	WS/
Schematics	S#/	Watts	#W/
Simulation	SM/	Weight/	
Skiing	SK/	Weight Lifting	WT/
Software	SF/	Wood/Woodworking	WW/
Song/Sing/Singing	SG/	c (Language)	1C/
Sort	SR/		
Sound	SD/		

SECOND TWO CHARACTER SET — SUB CATEGORY  
 Separator follows unless third set is used  
 (See text)

#A/ Amps	BB/ Bulletin Board
#O/ Ohms	BD/ Ballad
#V/ Volts	BG/ Bluegrass
#W/ Watts	BI/ Bible
*C/ Current	BK/ Basketball
*P/ Power	BN/ Balloon/ Ballooning
*R/ Resistance	BR/ Brass
1C/ c (Language)	BS/ Baseball
2C/ Cobal	BU/ Building
<P/ Ex-Popular	BV/ Beverage
A#/ Arithmetic	BW/ BA Writer
AC/ Aircraft	BX/ Box/Boxing
AD/ Adventure	BU/ Business
AH/ Animal Husbandry	B^/ Bird/Birds
AI/ Air	CA/ Calories
AK/ Arcade Games	CB/ Carbohydrates
AL/ Aluminum	CG/ Climb/Climbing
AR/ Auto Racing	CH/ Cholesterol
AS/ Assembly	CK/ Checkbook/Check
AT/ Art	CO/ Concrete
AU/ Automobile/ Automotive	CP/ Computer or Computer Use
AX/ Assorted	CN/ Contents
BA/ Basic	





