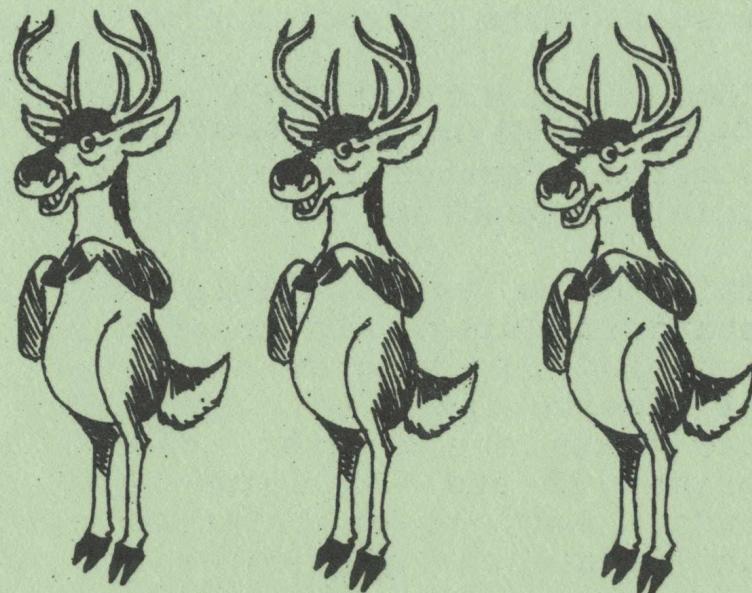


# THE CHICAGO B-128 USER'S GROUP INTERNATIONAL



COVER PRICE: THREE BUCKS  
(\$3.00 U.S.)  
STOCK # 13206  
THE CBUG ESCAPE, VOL 12

## THE CBUG LIBRARY+ 1985 THRU 1988

THE CHICAGO B-128 USER'S GROUP - INTERNATIONAL  
DIV. CBUG, INC.  
4102 N. ODELL, NORRIDGE, ILLINOIS, USA 60634  
312 456 8720 (AREA CODE 708 AFTER NOV. 1989)

## THE CBUG LIBRARY INDEX - 1985 thru 1988

For four years many CBUG members have been providing help to other members thru the CBUG library. For our newer members and those who may have not received certain issues, this publication will give you what was missed.

Commencing with ESCAPES actually published after 1988, we will no longer enclose the huge long list of pre 1989 library releases -- so save this index!! There is a Superbase master index disk which will be released in the near future from which the prior compendiums were produced.

This index is available in disk form, CBUG #95. All files are linked as per standard Superscript commands. The most useful purpose of this disk is to allow searching for program names and keywords using the "search linked files" capability of Superscript -- you can search the entire disk from a single instruction! In that the texts are greater than 80 column, you will need to either have the ability to print 122 and 152 column wide or read the text on screen in the output to video mode. Many newer printers as well as wide carriage letter quality printers can accomodate the wide column count. The 8023 will do so in condensed mode.

As you will notice some title numbers are missing. This is due to errors, upgrades, etc. There may be some minor discrepancies between the actual released disk and the published directory for the same reasons.

**IMPORTANT** When ordering, be absolutely sure to provide all information on the order form exactly as listed in the index. Please, please, please be legible!! A few members take short cuts, even forget to put their shipping address in a legible and reproducible form on the order. It's awfully hard to deliver things that way. Please also remember to give us your phone number (evenings preferred) so we can double check if necessary.

Though its been said many times before, there are numerous uses of library material beyond the obvious use of a program as written. Many of the materials are submitted not so much for their native use, as for the demonstration of their component building blocks for others to adapt and employ elsewhere. Other materials are often known as utilities or tools in that they save the use huge amounts of time, even allow operations otherwise not possible. It is well worth the time to read thru each directory even if not anotated. The discoveries will be rewarding in quality, quantity, and usefulness!

While most members of CBUG use their B-128's as just word processors, a fair number also are into database applications, accounting and financial management applications. Whether you are simply unable to visualize what else can be done with your B-128 or are simply hesitant to venture into the unknown, there are certainly several directions you can "break out" using the library disks. Acquisition of the Programmer's Reference Guide from N.W. Music is also recommended. You'd be amazed how easy it is to get started! The B-128 is one of the most powerful mid priced micro computers built; the commercial software is top flight. With a little creative input, you can do things beyond your wildest imagination.

**DISCLAIMER:** Materials published by The Chicago B128 Users' Group (CBUG, Inc). are the opinion and product of the respective authors only. CBUG, Inc. in no way endorses nor guarantees any of the properties.

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The first series of programs are an emulator -- a program that makes the B128 think it is one or even two 8032 computers. Then you can run the majority of programs written for the 8032 -- which number in the thousands. <<<The 8432 program has been upgraded. See CBUG #66.>>> Many of the programs in the CBUG Library are actually for the 8032 and must be run with the emulator. Then follows a series of bench mark programs -- performance tests for the computer, etc.; several machine language moniters and other programmers utilities. These are all compliments of TPUG and/or Jim Butterfield.

Then follows the 8050 disk drive Demo Disk which was omitted from many of the systems sold by Protecto because the Performance program had an error in it (now fixed on this copy), and most of the rest were only for the 8032 computer -- and the 8432 program was not then available in the US. One of the handier programs is copy/all. It is the grandfather of all of the copy programs allowing for transferring files between drives, even drives of different types, different device numbers, etc. Great way to hook up a 4040 or a MSD together with the 8050 and copy materials from standard density of 1541/4040 Commodore to the high density of the 8050. There is a display track&sector program to go in and read the contents of a disk directly, even if partially destroyed or having a damaged directory (rendering the disk inoperable).

The TPUG COMMUNICATIONS programs are all for the 8032. Many will not work under any circumstances for want of special ROMS or other hardware. Those that work are interesting, those that don't are still good examples of some tricks of programming for telecom.

B128 xterms are simple 300 baud basic language terminal programs that are for use primarily in uploading/downloading files/programs by phone line. These are according to the Xmodem protocol -- a moderately sophisticated error checking protocol that insures that a file is transfered without a single bit distorted or lost.

MOVERS & SHAKERS is a list of some of the more well known persons inside and out of Commodore <<<This list is long obsolete>>>.

JIM WHITE'S Utilities are somewhat self explanatory in their titles. Labels.p is a highly improved mailing label program for use within Superbase.

Format Speed Error is an instruction file by Mark Schwarzbauer for adjusting the speed of an 8050 disk drive. One of the most common problems with these systems. 156K upgrade etc are instruction files on adding memory banks 3 and 4 to the B128 by Carter Paulus.

Marilyn Gardner has provided a couple of files for plotting, an instruction file for alternate methods of loading programs, and a discussion of column move techniques in Superscript -- which I use to generate these huge multi-column pages.

Roy LaBuff has provided a series of titles that are self explanatory, and Dale Finkey has done his usual 1st class of reviewing them in the files with "D" for Document prefixes.

1	"NORM'S UTILITIES"	86	2c	11	"chg ld addr v1.2"	prg	4	"ascii-wpro"	prg	28	"term inst.wp 1"	prg	16	"rev ship labels"	prg
3	"Start8432.21"				"mem dump.b"	prg	1	"pet to pet"	prg	20	"term inst.wp 2"	prg	1	"----speed----	seq
2	"t1"				"err\$ list.b"	prg	3	"modem pet-ascii"	prg	71	"rita"	prg	27	"format speed err"	seq
2	"td.alt"				" "	seq	5	"logger"	prg	1	" "	seq	1	"----cp----	seq
2	"t2"				" "	seq	5	"modem menu"	prg	1	" "	seq	28	"256K upgrade"	seq
2	"td"				"IMPORTANT NOTE"	seq	2	"log to ascii prt"	prg	3	"READ MEMO"	seq	29	"b128 expansion"	prg
81	"8432.21"				"8050 DEMO DISC"	seq	1	"rcv#4"	prg	25	"b128 xterm orig"	prg	1	"----mg----	seq
4	"bank F.20 '1024"				"performance"	prg	4	"pet clist"	prg	26	"cis dnload xterm"	prg	4	"line plot"	prg
4	"instructions8432"				"dos support"	prg	4	"build hello"	prg	1	" "	seq	4	"plot"	prg
1	"bm1"				"copy/all"	prg	23	"src.ex hello.asm"	prg	1	" "	seq	11	"double column"	seq
1	"bm2"				"change unit add"	prg	38	"expansion pres"	prg	30	"MOVERS & SHAKERS"	seq	2	"load run instr"	prg
1	"bm3"				"printer demo"	prg	32	"comm primer"	prg	1	" "	seq	2	"loading instruct"	seq
1	"bm4"				"display trk&sec"	prg	25	"freq generator!"	prg	1	" "	seq	1	"----rl----	seq
1	"bm5"				"basic cross ref"	prg	5	"modem log"	prg	1	"JIM WHITE UTILIT"	seq	29	"datafile"	prg
1	"bm6"				"8250 expand rel"	prg	2	"bulletin"	prg	8	"labels.p"	seq	29	"dfmail"	prg
1	"bm7"				" "	seq	6	"modem connect"	prg	7	"hlabels"	seq	29	"dfreport"	prg
1	"bm8"				" "	seq	2	"terminal"	prg	14	"shipping labels"	prg	9	"bargraph.rl"	prg
1	"-mon extension-"				"TPUG C1 COMMUNIC"	seq	9	"wat comm"	prg	7	"3 sorts"	prg	13	"invoicer.c"	prg
3	"extra mn instr"				"signon"	prg	5	"pet logger"	prg	9	"text-b128"	prg	50	"lost gold adv"	prg
4	"extra monitor"				"basic aid"	prg	23	"pterm"	prg	19	"name sort"	prg	2	"df] example"	seq
35	"extra monitor.s"				"exec hello"	prg	47	"8010 modem drivr"	prg	1	"b128 loader"	prg	1	"<-instructions->"	prg
7	"list-me.bu"				"hello"	prg	11	"terminal.ieee"	prg	9	"disk directory"	prg	3	"Dbargraph.rl"	seq
1	"sample boot.b"				"universal wedge"	prg	11	"terminal.rs232"	prg	15	"b256 labels"	prg	3	"Dinvoicer.c"	seq
2	"txram obj"				"tnw answr demo"	prg	6	"old term.ieee"	prg	7	"music 1.4"	prg	3	"Dlost gold adv"	seq
15	"sample obj"				"morse tutor"	prg	6	"old term.rs232"	prg	14	"beethoven 1.3"	prg	7	"Ddatafile"	seq
4	"test.basic"				"morse-bttrfld"	prg	27	"term.v13"	prg	7	"happy birthday"	prg	3	"Ddfmail"	seq
3	"hex dumper.z"				"tnw488/103a"	prg	17	"term.rs232"	prg	47	"b index-sup/scpt"	seq	3	"Ddfreport"	seq
1	"flash.bas.b"				"tele dialer"	prg	7	"term.ieee"	prg	2	"CREDITS"	seq	536	blocks free.	
1	"flash.obj"				"pc.net.modem"	prg	11	"64 term"	prg	1	"---071585----	seq			
7	"flash.8.1"				"cbn, 8010"	prg	17	"term 8032 v7"	prg	1	"WHITE UPDATE"	seq			

list-me for b-machine utility disk ----- copyright (c) 1984 tpug inc. 1912a avenue road toronto, ontario m5m 4a1 "ok to copy but not to sell" prepared by gord campbell "I don't have one anymore - so don't ask me for enhancements." with thanks to karl kirk, who prompted me to release this stuff "list-me.bu" - this program "sample boot.b" - shows required setup to run m/l in bank 1 (text bank) "txram obj" - bank 1 jump table & interrupt handler for a b-machine "sample obj" - unused m/l for demo purposes "test.basic" - sample processing program "hex dumper.z" - dumps a disk file "flash.bas.b" - shows a totally different way of running m/l on a 'b' - a small m/l program running in bank 15, where i think you must have it for user-processing of interrupts. this demo flashes the screen border. "flash.obj" - the m/l for the above "flash.8.1" - source for the m/l in mae format "chg ld addr v1.2" - to fix a 'b' program so it can be loaded on other commodore machines. the easiest way to do this is run 'sample boot.b' above, then dload and dsave to program. but that only works when the 'b' is available. change load address can be run on any machine. "mem dump.b" - does a memory dump "err\$ list.b" - lists all the system messages. some of them are fun, and could be useful in your programs. good luck with your orphan -- gord

## LIZ'S UTILITY v1.1

CBUG #2

UPGRADED TO CBUG #60

This may be one of the most valuable disks for both programmers and word processor users alike. The program Keytrix is a highly advanced program editor -- its receiving rave reviews from all who've used it. Pre-Superscript is a "patch" program, that is loaded into the B128 prior to loading superscript. It is simply loaded first, real easy. Pre\* eliminates the multiple letters and numbers (known as key-bounce) which is one of the few failings of Superscript -- it also eliminates the cursor hesitation when editing text.

Then we have several programs added to Liz's disk for use in recovering information from the CABS (Commodore Advanced Business System) accounting suite marketed by Info Designs. One of the major problems with the suite is that there is no way to pull data files, such as customer/vendor names/address/status out for use in making mailings, dunning letters or further statistical processing of any kind. The CABS system is completely closed and locked tight. BUT no more, thanks to wonderful Liz. Now you can quickly and easily output all of that information into a standard sequential file for subsequent use anywhere. Including importing it to some other accounting system!. Liz is a real wonder. Tell her it's impossible and she says "maybe yesterday"

<<<This blurb included as continuity to the latest version. Earlier versions available on special order. Full text of old version listing on print file disk of this directory.>>>

## SWAN'S UTILITY

CBUG #3

\$14.00

#12881

Here we have a collection of exceptionally valuable disk utilities. !futility is a whole series of things written just for the B128, many never seen before for any machine. Such things as a program that will RESCUE a file that has been accidentally scratched -- or completely scratch a program. Recover directories and other such goodies.

Mr. Swan has provided a number of fun things too. His Star Treks, w & w/o klingons is said to be many times over more advanced than others for any computer. It uses the multiple windowing techniques unique to the B128. Not only is it a fine game, but a study in advanced programming. Have you ever wanted to have your computer "talk" back to you -- well from what I gather from the documentation, Eliza is just that.

The rest of the programs should be self explanatory from their titles -- and we've even been provided yet another top flight terminal program -- one that Mr. Swan uses in the course of his day to day work for Bell Labs as a system analyst.

Dale Finkey's backup programs are totally new and unique. Written first and only for the B128. With our high density disks (502 Kbyte), it becomes easy to archive huge quantities of data. BUT, when you copy whole disks of files to another and accumulate them, what happens if an additional disk has a file of the same name as already on the destination disk? DISASTER, and a whole big mess to clean up. Dale's program alerts you to the problem and gives you choices before the mess occurs; also you can prefix all files with the disk identifier (the two digits after the comma on the disk header) of the source disk being copied automatically. Real handy. Pursuit allows the location of the tracks and sectors on which specific information is stored -- for advanced disk manipulation.

Folks, here we have a real example of some heavy duty programming written just for the B128. Soon everyone will be having to convert FROM the B128 to get the hottest stuff!

1 "SWANs UTILITY #1" 88 2c	31 "&&calculator"	seq	47	" star trek 1":	prg	1	"<- utilities -->"	prg	8	" bouncing ball":	prg
29 " start up":	prg	19	"& regression"	seq	4	" star trek 2"	rel	45	"!futility":	prg	1
1 "<-- articles -->"	prg	22	"&&regression"	seq	4	" star trek 1"	rel	1	"/count"	prg	26
34 "& file prefixes"	seq	26	"& archive 1"	seq	8	" eliza":	prg	34	"!copy":	prg	5
36 "&&file prefixes"	seq	28	"&&archive 1"	seq	17	"&eliza data"	seq	3	"/transfer"	prg	11
18 "& cursor config."	seq	26	"& get filenames"	seq	17	" eliza data prgm"	prg	5	" rename disk":	prg	7
18 "&&cursor config."	seq	31	"&&get filenames"	seq	23	" iq test":	prg	34	" archive 1":	prg	2
27 "& program lines"	seq	4	"& get mach lang"	seq	1	"&iqtest data"	seq	1	"/count & copy"	prg	59
27 "&&program lines"	seq	5	"&&get mach lang"	seq	8	" craps":	prg	12	".get filenames"	prg	7
1 "<-instructions->"	prg	17	"& large letter"	seq	1	"<- demos/math -->"	prg	1	".get mach lang"	prg	22
97 "& star trek"	seq	19	"&&large letter"	seq	29	" lifetime":	prg	1	"<-- graphics -->"	prg	1
106 "&&star trek"	seq	58	"& terminal"	seq	10	" calculator":	prg	20	" large letter":	prg	8
20 "& eliza"	seq	62	"&&terminal"	seq	2	" factors":	prg	14	" calendar":	prg	9
22 "&&eliza"	seq	1	"<--- games ---->"	prg	13	" regression":	prg	8	" s-enterprise":	prg	4
29 "& calculator"	seq	52	" star trek 2":	prg	3	" squirm":	prg	4	" p-enterprise":	prg	8
										8	"why backup" seq
										8	"backup strategy" seq
											564 blocks free. -

## KERNAGHAN'S UTILITY

CBUG #4

UPGRADED TO CBUG #32

## CBUG-TPUG #1

CBUG #6

\$9.00

#12913

CBUG has purchased the entire library of 8032 programming available from the Toronto Pet Users Group. Our local members have been charged with the duty of reviewing each program, determining their usefulness, workability on the B128 with or without the 8432 emulator, rating their ease of usefulness, etc. Dale Finkey has finished these two. There are about a dozen more to come in upcoming CBUG catalogues.

Highlights include a typing tutorial, a number of graphics programs (some working, others marginal or inoperable) several text editors and printer drivers, disk housekeeping programs, etc. As usual, Dale's reviews are carried with the prefix "D" for Documentation.

1	"CBUG TPUG #1 v1."	91	2c	21	"graphics-loader"	prg	3	"Deasy edit/disk"	seq	2	"H"	seq	2	"flash"	seq
2	"-----OX6-----"			22	"graphics-demo"	prg	3	"Deasy edit/c"	seq	2	"I"	seq	8	"file maker ii"	prg
15	"easy edit/tape"			23	"mail list 4040"	prg	3	"Dpage.all"	seq	2	"J"	seq	2	"high wrist"	seq
16	"easy edit/disk"			41	"4040 update"	prg	3	"Deasy edit/mx-80"	seq	2	"K"	seq	2	"low wrist"	seq
14	"easy edit/c"			5	"4040 format"	prg	3	"Deasy.edit.mx-82"	seq	2	"L"	seq	2	"shift lock"	seq
18	"easy edit/mx-80"			25	"4040 print"	prg	4	"Dword pro th2058"	seq	2	"M"	seq	2	"# sign"	seq
17	"easy.edit.mx-82"			3	"4040 menu"	prg	3	"Dread wp2040"	seq	2	"N"	seq	2	"\$ sign"	seq
9	"page1 eze edit"			23	"mail list 8050"	prg	2	"Dup tape2058"	seq	2	"O"	seq	2	"% sign"	seq
9	"page2 eze edit"			6	"8050 format"	prg	2	"Dread wp tape204"	seq	2	"P"	seq	6	"Numbers 1-5"	seq
9	"page3 eze edit"			42	"8050 update"	prg	3	"D8050 all"	seq	2	"Q"	seq	6	"Numbers 6-0"	seq
10	"page4 eze edit"			3	"8050 menu"	prg	3	"D4040 all"	seq	2	"R"	seq	3	"Each Numeral"	seq
10	"page5 eze edit"			25	"8050 print"	prg	2	"Dup.all"	seq	2	"S"	seq	4	"Alpha Progress"	seq
7	"page6 eze edit"			5	"v40.2.b"	prg	2	"De.g set-up 80co"	seq	2	"T"	seq	66	"dum 3.4"	prg
27	"word pro th2058"			5	"v40.4.b"	prg	2	"Dv all"	seq	2	"U"	seq	53	"keyboarding"	prg
27	"read wp2040"			5	"v80.4.b"	prg	1	"-----pxb-----"	seq	2	"V"	seq	3	"cover"	seq
6	"hi memory106"			12	"e.g set-up 80col"	prg	2	"screen print"	prg	2	"W"	seq	2	"list-me pxb.1"	prg
13	"instructions#7"			41	"wp3/4 inst1"	prg	53	"file maker"	prg	2	"X"	seq	1	"-----docs-----"	prg
10	"word p demo"			15	"wp3/4 inst2"	prg	2	"A"	seq	2	"Y"	seq	4	"Dfile maker ii"	seq
27	"wp tape2058"			1	"<-instructions->"	prg	2	"B"	seq	2	"Z"	seq	4	"Dscreen print"	seq
27	"read wp tape2040"			3	"Dgraph.all"	seq	2	"C"	seq	8	"screen"	prg	4	"Dfile maker"	seq
24	"tax 81 ont v1.0"			3	"Dgraph.printer"	seq	2	"D"	seq	2	"home row"	seq	5	"Dkeyboarding"	seq
12	"graph.printer"			3	"Dtax 81 ont v1.0"	seq	2	"E"	seq	2	"all rows"	seq	2	"Dlist-me pxb.1"	seq
17	"graphix instr"			2	"Deasy edit/tape"	seq	2	"F"	seq	2	"G"	seq	2	"Ddum 3.4"	seq

1047 blocks free.

SUPERBASE APPLICATIONS PROGRAMS #1 CBUG #7

\$9.00 #12932

Rev Clyde Northrop must surely be getting some extra help. We have here a complete business suite to run a furniture store -- which he wrote for his brother. Dan VanWeirengen shows us just how easy it is to make the B128 handle data bases of inordinate size. Last but not least is Jim White's important revised labels program for Superbase -- which allows for putting multiple fields on one line (i.e. CityState), and putting punctuation & spaces between them (City, State). Doyle Horine has provided a General Ledger program which circumvents many of the shortcomings of Superbase as to lengthy calculation strings, etc. The beginnings of a nice collection.

NOTE: Clyde's is offered as Freeware for casual use. Permission is required for commercial use.

1	"CBUG SUPERBASE 1"	93	2c	1	"fake"	seq	11	"five.p"	seq	11	"monthly post.p"	seq	19	"ss.directory"	seq
14	"ss.datab.sampler"			1	"FURNITURE"	seq	18	"daily ledger.p"	seq	1	"stock printout.p"	seq	2	"--id furniture--"	seq
1	"date"			1	"fake 2"	seq	13	"enter stock.p"	seq	1	"CHECKING"	seq	7	"---labels---	seq
15	"ss.ref.superbase"			1	"fake 3"	seq	2	"inven hlist.p"	seq	5	"credit u"	seq	8	"labels.p"	seq
8	"start.p"			1	"create.p"	seq	2	"inven alist.p"	seq	5	"bank"	seq	1	"---hospital---	seq
11	"accounts"			10	"one.p"	seq	2	"inven by brand.p"	seq	2	"hlist.p"	seq	22	"september85"	seq
7	"invoice"			15	"two.p"	seq	4	"inventory report"	seq	8	"credit u.date.p"	seq	1	"-general ledger-	seq
8	"ledger"			15	"three.p"	seq	4	"menu 3.p"	seq	8	"report by #.p"	seq	20	"setup.p"	seq
5	"inventory"			6	"four.p"	seq	3	"menu 4.p"	seq	8	"report by date.p"	seq	17	"print.p"	seq

1575 blocks free.

brief: A Directory of Superbase Sample Programs by Clyde Northrop

This disk created for my brother.		ALL FILES PRECEDED BY ss. SHOULD BE LOADED WITH SUPERSCRIPIT II	
14	"ss.datab.sampler"	seq	Brief instructions. Read with Superscript II.
1	"date"	seq	Contains the data of Last Start, etc.
15	"ss.ref.superbase"	seq	Info in Superbase. Read with Superscript II.
8	"start.p"	seq	A modified Superbase start program.
11	"accounts"	seq	Format for customer accounts.
7	"ir.oice"	seq	Format for customer invoice.
8	"lædger"	seq	Format for daily ledger.
5	"inventory"	seq	Format for inventory.
1	"fake"	seq	A dummy file.
1	"FURNITURE"	seq	The database.
1	"fake 2"	seq	A dummy file.
1	"fake 3"	seq	A dummy file.
1	"create.p"	seq	Creates the next invoice with no. & date.
10	"one.p"	seq	Sets up/extracts account data for invoice.
15	"two.p"	seq	Writes invoice and lists item & price.
15	"three.p"	seq	Checks for accuracy and prints invoice.
6	"four.p"	seq	Updates stockage for perpetual inventory.
11	"five.p"	seq	Post accounts for charge and cash sales.
18	"daily ledger.p"	seq	Keeps a daily ledger of department sales.
13	"enter stock.p"	seq	Fast entry program to post incoming stock.
2	"inven hlist.p"	seq	Sample holding list for inventory report.
2	"inven alist.p"	seq	Sample holding list: Alphabetical inventory.
2	"inven by brand.p"	seq	Sample holding list: Inventory by brand.
4	"inventory report"	seq	Report Program for inventory.
4	"menu 3.p"	seq	Menu for special functions.
3	"menu 4.p"	seq	Menu for sepcial functions.
11	"monthly post.p"	seq	A monthly report program.
1	"stock printout.p"	seq	Simple stock list program.
2	"hlist.p"	seq	A way to look at an output list.
The following Database is Loaded from Superbase Menu 1 or 2 by typing:			
1	"CHECKING"	seq	'database'<RET> 'checking'<RET>
5	"bank"	seq	Format for a bank checking account.
5	"credit u."	seq	Format for credit union checking.
8	"credit u.date.p"	seq	Program to balance credit union account.
8	"report by #.p"	seq	Program to balance bank acct by check sequence.
8	"report by date.p"	seq	Program to balance bank acct by date sequence.

(More room can be obtained by placing "FURNITURE" database on a disk by itself and placing programs in drive 1 while database functions in drive 0.)

## SERMONS #1

CBUG #8

\$9.00 #12946

Rev. Mark Schwarzbauer has started off what promises to be a sizeable though specialized library section -- sermons etc. CBUG will also have a collection of programs adapted for church management. Mark is heading up the Religion SIG of CBUG.

1 "workdisk	" aa 2c	30	"BRING MORE ALIVE"	seq	14	"FORGIVENESS II"	seq	50	"women in church"	seq	27	"cross 2"	seq
4 "READ ME FIRST!"	seq	18	"FRESH OIL PART 2"	seq	16	"FORGIVENESS III"	seq	11	"empathy"	seq	29	"cross 3"	seq
1 "GODS WORD"	seq	15	"BE MORE ALIVE"	seq	15	"FORGIVENESS IV"	seq	18	"possession"	seq	32	"cross 4"	seq
18 "Living to Go"	seq	33	"PROSPERITY LAWS"	seq	8	"FORGIVENESS V"	seq	19	"spirit of home"	seq	17	"faith up or flip"	seq
15 "Knowing Gods wil"	seq	16	"LOVE ENOUGH"	seq	27	"LETTER FOR YOU"	seq	20	"the spirit"	seq	33	"good news"	seq
12 "KNOWING GODS WIL"	seq	28	"BETTER THAN LAVA"	seq	29	"ALREADY BUT NOT "	seq	18	"the spirit 2"	seq	20	"prayer and faith"	seq
22 "THANKSGIVING"	seq	31	"THE RIGHT PLACE"	seq	18	"ALIVE AGAIN"	seq	13	"success"	seq	25	"prayer part 2"	seq
12 "HEARING GODS VOI"	seq	22	"LOVING CHURCH on"	seq	17	"Power of Forgive"	seq	20	"holy spirit bapt"	seq	19	"promotion"	seq
13 "HIS VOICE AND CA"	seq	18	"LOVING CHURCH 2"	seq	29	"ALL STAR WRESTLI"	seq	14	"your funeral"	seq	14	"radio 8/85"	seq
15 "SAMSON"	seq	21	"LOVING CHURCH 3"	seq	23	"GUILT & SELF IMA"	seq	22	"Our Father"	seq	30	"prayer part 5"	seq
24 "A STEP FURTHER"	seq	22	"LOVING CHURCH 5"	seq	21	"THE OPTIMIST CLU"	seq	21	"practicing his p"	seq	25	"prayer part 3"	seq
17 "SHAKEN NOT STIRR"	seq	19	"1001 things free"	seq	28	"EASTER EYES"	seq	24	"worship Him"	seq	20	"prayer part 4"	seq
19 "HEROES"	seq	15	"LOVING CHURCH 6"	seq	21	"DEAD OP ALIVE"	seq	22	"the cross 1"	seq	47	"cross 5"	seq
12 "PREPARING ROOM"	seq	21	"GOD FORGIVES"	seq	35	"OUT OF THE PITS"	seq	30	"America the beau"	seq	18	"ss and you"	seq
20 "FOR A CAMEL"	seq	32	"LOVING CHURCH 7"	seq	28	"HOW BIG"	seq	24	"don't drink alon"	seq	22	"prayer part 6"	seq
23 "CHRISTMAS STORY"	seq	8	"SIGNS AND W."	seq	15	"FAMILY pt.2"	seq	25	"overcomers"	seq	1	"format"	seq
18 "FRESH OIL"	seq	20	"DEV. REAL ESTATE"	seq	13	"FAMILY Pt1"	seq	7	"witnessing"	seq	22	"superspell.tm"	seq
36 "BY THE THROAT"	seq	16	"ANOTHER VIRGIN"	seq	39	"mothers day"	seq	25	"all dressed up"	seq	185	blocks free.	

## CABS G/L PROFORMA #1

CBUG #9

\$9.00 #12951

Dan Schoger CPA, has provided us CABS (Info Designs Accounting Suite) users with a far more sophisticated and practical chart of accounts to start up with. Having agonized for several days setting up my first attempt, then altering it dozens of times as needs were better defined -- had I had this disk it would have saved me atleast 5 very difficult days.

The CABS system carries most of its data in random files, so the blocks free is the only hint of what is there. The instruction file is "pasted" on the disk for convenience of duplication. You must first make a copy, then delete the instruction files before using. You will also have to use a compatible disk header by changing the disk id using one of the disk utilities elsewhere in the CBUG library

1 "cats g/l pro #1"	01 2c	14	"gl acct ptrs"	seq	14	"work diskdoc1"	seq	2	"INSTRUCTIONS"	seq
1 "g/l gif"	seq	9	"gen journal"	seq	16	"workdisk"	seq	1818	blocks free.	

## CBUG PRINT FILES #1

CBUG #10

\$9.00 #12965

Listed below are the print files used to generate this publication as far as it has progressed to date. The duplication master will also include all of the catalogue pages, Scratch Pad, and other announcements made by CBUG to date -- plus the balance of this publication's print files. Why would you want it? There are a myriad of different styles of using Superscript, each author works differently and shows usefull ideas. And, we are using several printers on the different documents: 4023, 8023 and a Daisywriter 2000 (in Diablo emulation mode). Many members have expressed frustration with obtaining optional features via Superscript -- a great many are used here. Of course, you will have to doctor some of the printing commands to use any printer for which a file was not set up, but they can always be viewed without change using the Output to Video function. Newcomers can obtain access to our earlier printings which are no longer available on paper.

0 "cbug 1085 edit "	aa 2c	2	"library"	seq	41	"coupons 1085"	seq	42	"library lead 108"	seq	18	"6"	seq
5 "INSTRUCTIONS"	seq	9	"ps"	seq	22	"superspell.tm"	seq	14	"bakers half doze"	seq	22	"7"	seq
1 "---OCT 1985---	seq	8	"headlines"	seq	0	"opus disk ad"	*seq	36	"1"	seq	4	"OSAVE"	seq
68 "q & a dodger 1"	seq	137	"scratch 1085"	seq	8	"disk ad"	seq	15	"2"	seq	13	"8"	seq
26 "infamous B"	seq	14	"escape"	seq	8	"physical exam ad"	seq	19	"3"	seq	5	"9"	seq
1 "FORMAT"	seq	64	"liz 1085"	seq	19	"physical-knight "	seq	28	"4"	seq	5	"10"	seq
22 "survey inst"	seq	19	"danv 1085"	seq	21	"fall85 want ads"	seq	28	"5"	seq	1308	blocks free.	

## TERMINAL #11, v1.0

CBUG #11.0

\$14.00

#12257

COMPLETE INSTRUCTIONS NOW ON DISK. READ with Superscript or any Sequential file reader program

This disk contains the well known terminal program B-term, the most necessary of capture buffer programs for use in general telecommunications work. Of course, it is no match for B-line elsewhere mentioned. Also included is Teleterm 80 which was also distributed by Protecto, a reportedly public domain program including variations of Xmodem and the original Punter protocols (none of which seem to upload to major BBS services, but will download ok). In this disk you will find an xmodem program (xterm) in a 300 baud only version converted from the standard C64 original, and a sophisticated main-frame programmers' terminal program by Warren Swan (via the kind release from his royalty disk CBUG #3). There are several instruction files and articles, including those provided by the Toronto Pet Users Group concerning telecommunications. This is likely one of the most comprehensive telecom compendiums ever published. If you need help understanding the ins and outs of telecommunication all you need to get going like a pro is in the various

articles. We'd have printed them, but it would have been a fair sized book! As you can see, we are still awaiting several files to include the disk. They have been promised for the next few days -- no doubt they will be on final disk.

1 "term w/bt 11 122" 25 2c 36	"o.teleterm80" prg	2 "instr b-x modem" seq	19 "cooper RS232" seq
1 "loader" prg 1	"--INSTRUCTIONS--" seq	3 "b funct key.ins" seq	? "cooper on modems" seq
2 "txram" prg 91	"bterm.ins" seq	6 "----TPUG----" seq	8 "rick's postscript" seq
1 "keyscan" prg 1	"bterm.ins2" seq	42 "starting on delp" seq	-134 "Raw BBS" seq
39 "term" prg 1	"xmodem.ins" seq	27 "navigating delph" seq	1 "----cbug misc----" seq
3 "r" seq 1	"xmodem.ins2" seq	18 "telecom canada" seq	19 "signon delphi" seq
25 "xterm orig b128" prg 79	"teleterm.ins" seq	34 "online search" seq	38 "SS vs BT" seq
26 "cis xterm d1" prg 36	"teleterm.ins2" seq	18 "lbook review" seq	1 "----a1----" seq
52 "READ MEMO" seq 58	"terminal.ins" seq	17 "how easy it is" seq	19 "uptain on RS232" seq
26 "terminal" prg 62	"Terminal.ins" seq	? "on compuserve" seq	1 "----jr----" seq
5 "/term" prg 30	"xterm.docs(cbm)" seq	? "navigating cis" seq	26 "CBM/BMODEMSOFT" seq
2 "teleterm80" prg 3	"----tc info----" seq	1 "----lc----" seq	928 blocks free.
	12 "B-Function Key" prg		

TERMINAL #11A, v1.0 CBUG #11A.0  
Same as above, but less royalty bearing B-Term and Teleterm 80

\$9.00 #12261

Scott's ML Monitor CBUG #12

\$14.00 #12984

Larry Scott has provided us with a reportedly far advanced professional machine language monitor. HOWEVER, this program requires the 24K RAM cartridge advertised elsewhere herein by Gary Anderson. The Ram Cartridge has many important uses which will be explained in future issues, so those of you into serious programming should not delay!

1 "bmon master" bm 2c 77	"bmon inst.ss" seq	20 "bmonp01.psrc" prg	17 "bmonp06.psrc" prg
5 "bmon intro.bas" prg 5	"bmon quickref.ss" seq	17 "bmonp02.psrc" prg	26 "bmonp07.psrc" prg
17 "bmon.obj3e00" prg 20	"exp schem.bas" prg	17 "bmonp03.psrc" prg	20 "bmonp08.psrc" prg
17 "bmon.obj4000" prg 2	"bmonpct.psrc" prg	15 "bmonp04.psrc" prg	22 "bmonp09.psrc" prg
17 "bmon.obj400" prg 18	"bmonplb.psrc" prg	19 "bmonp05.psrc" prg	16 "bmonp10.psrc" prg
			17 "bmon.obj400 4000" prg

NORTHROP'S SUPERBASE AIDS  
LEIGHFIELD ON SUPERBASE

CBUG #13

\$9.00 #12787

Did you know that you can hook up 4 8050 drives to your B128, each with a different Database in it, and write a program in Superbase that will allow the accessing of not only 4 drives, but manipulation of data between 4 different databases? This is just one of the startling revelations Mr. Northrop discloses in his Superbase aids sample programs and numerous help files. Many of the interesting nuances of Superbase are disclosed and made easy.

Brian Leighfield is a staff programmer with Precision Software of London, the publishers of Superbase and Superscript. Brian has provided us with a series of dissertations of superbase helps and aids, totalling 60 pages. These are absolutely invaluable morsels of information which just on their surface answer about 90% of the desperation calls I've received regarding Superbase.

The materials hereon are copyrighted by Messrs Northrup and Leighfield as to their own contributions on this disk. Permission for library distribution within and among CBUG members is the only liscence given.

1 "Superbase Helps" sh 2c 8	"create & post.p" seq	1 "hHow to Use" seq	10 "accounts" seq	20 "fields&calcs" seq
2 "hSuperbase Helps" seq 4	"create calendar." seq	5 "end-month.p" seq	1 "CLUB" seq	60 "command tricks" seq
5 "hDual Database" seq 5	"autoCreateMonth." seq	4 "mid-month.p" seq	2 "hAbout CLUB" seq	8 "filedefcorrupt" seq
2 "hDrive 1 save" seq 5	"post-calendar.p" seq	6 "statements.p" seq	3 "menu.p" seq	47 "duplicate keys" seq
5 "hCommands" seq 6	"start.p" seq	4 "check report.p" seq	2 "hRead Me First" seq	17 "keys" seq
4 "hWhy!!!" seq 3	"dir.p" seq	7 "month report.p" seq	1 "END NORTHROP" seq	98 "drives/filecopys" seq
3 "hDirectory Help" seq 3	"hCalendar" seq	2 "enter address.p" seq	3 "----above----" seq	41 "superofficing" seq
6 "hStart Gold" seq 3	"hcalendar" seq	6 "report by name.p" seq	4 "----CBUG MEMO----" seq	13 "S&R Instructions" seq
3 "h----FUN STUFF----" seq 1	"----Tip or Two----" seq	2 "select label.p" seq	101 "labels" seq	1344 blocks free.
1 "CALENDAR" seq 3	"hCreate Director" seq	5 "checking" seq	84 "reports" seq	
6 "month" seq 2	"hBack to Dir" seq	1 "----SAMPLE----" seq	63 "progs&menus" seq	

MEDICAL ACCOUNTING w/ SUPERBASE

CBUG #14

UPGRADED to CBUG #33

**FRIENDFAM**

**CBUG #15**

**\$14.00 #12716**

FRIENDFAM 2000 is a full-featured information system geared to keep tabs of all of your friends and family in a very organized, useful, and fun manner. IT DOES REQUIRE SUPERBASE. After 'booting' the B-128 with Superbase, replace the Superbase program disk with the FRIENDFAM disk and press RETURN. You will then be presented with the FRIENDFAM main menu, and you will be ready to go!

Entering data into FRIENDFAM is a breeze. In fact, when I have 'unregistered' friends or family visit my house, I have them create their own FRIENDFAM record on the system, and I then show them how I use the information for very useful purposes, namely printing or displaying the following: 1) up-coming birthdays; 2) up-coming anniversaries; 3) Xmas cards sent; 4) Xmas cards received; 5) Address list; 6) phone list; 7) FRIENDFAM roster. It's great fun, and everybody likes being part of the data base!

For you Superbase programmers (and would be Superbase programmers!), FRIENDFAM 2000 offers many good examples of structured code which can be used for reference. For you non-programmers, FRIENDFAM offers a meaningful application for use with Superbase. Mickey Crittenden.

FRIENDFAM is copyrighted by Mickey Crittenden. Reproduction beyond CBUG membership is prohibited without prior permission.

1 "workdisk1	" aa 2c	2	"notes.p"	seq	1	"TRAINING"	seq	1	"pdatarpt.p"	seq	2	"pmailist.p"	seq	
19 "start.p"		seq	2	"pnotes.p"	seq	1	"FRIENDFAM"	seq	2	"pbdarpt.p"	seq	2	"phonelist.p"	seq
3 "annivers.p"		seq	1	"FROM"	seq	2	"persondata"	seq	3	"tsort.p"	seq	2	"pphonelist.p"	seq
5 "hselect"		seq	1	"1 fill 1"	seq	2	"hlist"	seq	2	"cardsend.p"	seq	7	"labels.p"	seq
2 "panniver.p"		seq	1	"additional info"	seq	1	"datarpt..p"	seq	2	"pcardsend.p"	seq	12	"superbase primer"	seq
2 "pannivers.p"		seq	6	"friendfam.synops"	seq	2	"datarpt.p"	seq	2	"cardrecvd.p"	seq	1978 blocks free.		
4 "hinstruct"		seq	11	"sb.primr"	seq	19	"tstart.p"	seq	2	"pcardrecvd.p"	seq			
5 "hstart"		seq	1	"1 fill 5"	seq	2	"bdarpt.p"	seq	2	"mailist.p"	seq			

**SWAN'S BASIC**

**CBUG #16**

**\$19.00 #12773**

This disk contains a complete tutorial of Commodore BASIC 4.0+ for the B Series machines. It is NOT some incomplete translation of a tutorial for some other machine (like some of the programs we've all bought). This tutorial was written for YOUR wonderful little B machine.

This 6 chapter, 82 page (8.5" x 11") tutorial does NOT just teach BASIC, it teaches OUR BASIC. It teaches you what you can do with YOUR machine. It DOES teach BASIC using a "layered" approach. Concepts are layered one on top of the other - rather than presenting BASIC in reference book style. You'll be able to do some useful things with your machine almost immediately. More complex and more obscure topics are presented later, not while you're just getting used to BASIC. This building of complexity from the fundamentals inspires confidence in you, the reader, rather than leaving you confused. Plus, the tutorial contains information that even Commodore doesn't know about.

The disk contains the outline and 6 chapters in 2 forms: (1) ready to print versions - for those of you without Superscript II (tm of Precision Software), or who just want the standard print format; and (2) Superscript II files for those of you who want to print the tutorial in their own format.

The author of this tutorial is eminently qualified. He has owned Commodore machines since their inception in 1977; has been programming for 14 years, 12 of them in BASIC; and has taught Computer Science part time at Illinois Institute of Technology where he received his MS in CS. Owners of older Commodore machines may remember seeing some of his articles in other publications. He is currently the Question & Answer Coordinator for CBUG.

These materials are copyrighted by Warren Swan. Distribution beyond the CBUG membership is expressly prohibited without prior permission.

1 "swan's basic	" 77 2c	132	"& basic tut2"	seq	157	"& basic tut5"	seq	92	"&&basic tut1"	seq	164	"&&basic tut5"	seq	
16 " start up":		prg	101	"& basic tut2a"	seq	125	"& basic tut6"	seq	246	"&&basic tut2"	seq	130	"&&basic tut6"	seq
27 "&+basic tut+		seq	132	"& basic tut3"	seq	3	"/transfer"	prg	140	"&&basic tut3"	seq	8	"& basic tut ad"	seq
86 "& basic tut1"		seq	161	"& basic tut4"	seq	27	"&&basic tut"	seq	168	"&&basic tut4"	seq	137 blocks free.		

**LIZ'S UTILITY v1.2**

**CBUG #17**

**UPGRADED TO CBUG #60**

**CBUG GAMES & EDUCATION #1**

**CBUG #18**

**\$10.00 #12792**

Now we know what our Librarian has been doing of late. Games, games and more games. He's figured out the B128 can be fun too! Of course he's been back down to business for a number of weeks since he completed this compendium, so its our turn now. Best yet, the games all work, and all but four return to the SHIFT/RUN menu. Mark has made it so easy even a small child can use the B128! Now this is one case where an annotated directory would generally be superfluous. Such a deal!!

1 "games & ed 1	" 79 2c	21	"super lander-v"	prg	3	"reaction time"	prg	1	"counter"	seq	3	"sb- blast off"	prg	
1 " Startup"		prg	61	" king"	prg	106	"create a story"	prg	26	" dungeon"	prg	8	"dragon slayer"	prg
3 " directory		seq	23	"solitaire-c"	prg	6	"practical joke"	prg	10	"europe quiz-e"	prg	8	"adventures"	prg
6 " menu"		prg	20	" black friday"	prg	7	"artillery-a"	prg	25	"backgammon"	prg	8	" advscrn"	prg
13 "champ"		prg	17	"concentration-b"	prg	8	" instscrn"	prg	30	" explore"	prg	116	" wisp"	prg
23 "afo/balloon-v"		prg	12	"deflection-v"	prg	17	"sb- organ"	prg	19	"backgammon instr"	prg	1	" advf 1"	prg
27 "!!-NOTICE-!!!"		seq	55	" nuke"	prg	71	" oregon trail"	prg	28	"backgammon tutor"	prg	8	" bfscrn"	prg
1 "average"		seq	59	" atlantis"	prg	16	"president's quiz"	prg	68	"instructions"	seq	8	" nscrn"	prg

33	"hangman"	prg	12	"yahtzee b128"	prg	11	"percent drill-e"	prg	19	"hangmath- e"	prg	8	" ascrn"	prg
20	"bTackjack-c"	prg	10	"lottery"	prg	18	"q's & z's -e"	prg	8	"hi-lo"	prg	8	" otscrn"	prg
14	"bomber-v"	prg	5	"lotto"	prg	16	"reverse- e"	prg	8	" wwsrn"	prg	8	" dscrn"	prg
27	"checkers"	prg	3	"kalidascope"	prg	8	" bootscrn"	prg	2	"sa-sound & the b"	prg	8	" escrn"	prg
19	"dominoes"	prg	17	"craps game"	prg	19	"big math-e"	prg	4	"sb- tune gen."	prg	1	"bets"	seq
15	" hamurabi"	prg	25	"therapy-a"	prg	26	"blackbox-v"	prg	3	"sb- halley's c"	prg	8	" ktscrn"	prg
27	"yellow light-v"	prg	28	"dog bite"	prg	7	"decimal / -e"	prg	6	"sb- yankee do"	prg	1	"winnings"	seq
54	"labyrinth-va"	prg	14	"caves of ice-av"	prg	5	"density-e"	prg	8	"sb- amaz grace"	prg	144	blocks free.	
27	"lunar lander-v"	prg	5	"numbers game"	prg	12	"division drill-e"	prg	7	"sb- harmonica"	prg			

MARLIN & FRIENDS WRITINGS

CBUG #19

\$9.00

#12805

And again, was our librarian hard at work. This disk the the entire text files of all publications of the deceased B128 Users Group of Lompoc California. Also included are those programs that were on the utility and game disks offered by that organization which CBUG has not yet published elsewhere. For those of you who did not receive your issues, which ran from December 1984 thru May 1985, here they all are. For others, this is yet another wealth of assorted information. CBUG is in no way related to, nor is CBUG successor to Marlin's effort; this disk is brought to you as a courtesy and in the spirit of educational dissemination of information on which CBUG is based.

1	"B128 Journal	" j1 2c	2	"bug1/3/014"	seq	13	"bug1/5/004.1"	seq	2	"bug1/1/006"	seq	66	"kernal-b128.1"	seq
3	" loader"	prg	16	"bug1/4/cov"	seq	12	"bug1/5/005.1"	seq	7	"bug1/1/007"	seq	55	"kernal-b128.4"	seq
6	" menu"	prg	12	"bug1/4/002"	seq	9	"bug1/5/008"	seq	12	"bug1/1/008"	seq	51	"kernal-b128.2"	seq
7	"diskmod"	prg	9	"bug1/4/015"	seq	9	"bug1/5/009"	seq	10	"bug1/1/009"	seq	59	"kernal-b128.5"	seq
6	"northern tune"	prg	10	"bug1/4/006"	seq	9	"bug1/5/010"	seq	11	"bug1/1/010"	seq	1	"ctl.kernal"	seq
17	"b-128 organ"	prg	10	"bug1/4/007"	seq	8	"bug1/5/011.1"	seq	7	"bug1/1/011"	seq	39	"asm'01/17/83"	prg
12	"dingen.p"	seq	12	"bug1/4/004"	seq	8	"bug1/6/004"	seq	9	"bug1/1/012"	seq	17	"b128.defs"	seq
14	"screen editor"	prg	11	"bug1/4/005"	seq	10	"bug1/6/005"	seq	14	"bug1/1/013"	seq	5	"b128.linput"	seq
2	" directory "	seq	9	"bug1/4/008"	seq	10	"bug1/6/006"	seq	13	"bug1/1/014"	seq	3	"terminal"	prg
8	" instscrn"	prg	9	"bug1/4/009"	seq	9	"bug1/6/007"	seq	10	"bug1/1/015"	seq	8	".,\$78"	seq
8	" bootscrn"	prg	9	"bug1/4/010"	seq	11	"bug1/6/003"	seq	12	"bug1/1/003"	seq	21	"fkey editor"	prg
27	"!!-NOTICE-!!!"	seq	11	"bug1/4/011"	seq	24	"bug1/6/007.1"	seq	8	" cbugboot"	prg	36	"address 128"	prg
26	"bug1/5/006"	seq	13	"bug1/4/003"	seq	11	"bug1/6/008"	seq	8	" cbuginst"	prg	1	"ascii code no."	prg
10	"bug1/2/cov"	seq	10	"bug1/4/014"	seq	10	"bug1/6/009"	seq	3	"80col maze"	prg	2	"bank poke check"	prg
12	"bug1/2/002"	seq	14	"bug1/5/cov"	seq	2	"bug1/6/010"	seq	4	"change dev#.1"	prg	1	"binary-decimal"	prg
10	"bug1/3/006"	seq	11	"bug1/5/002"	seq	15	"bug1/6/002.1"	seq	13	"datamover"	prg	32	"calendar b128"	prg
11	"bug1/3/007"	seq	14	"bug1/5/003"	seq	9	"bug1/6/016"	seq	11	"pet datamv.pal"	prg	4	"change disk"	prg
8	"bug1/3/008"	seq	8	"bug1/5/015"	seq	4	"bug1/6/018"	seq	11	"c64 datamv.pal"	prg	4	"check disk"	prg
11	"bug1/3/009"	seq	10	"bug1/5/014"	seq	8	"bug1/6/017"	seq	1	" more emulation "	prg	4	"key"	prg
12	"bug1/3/004"	seq	12	"bug1/5/004"	seq	10	"bug1/6/011"	seq	2	"irqx"	prg	9	"menu"	prg
9	"bug1/3/005"	seq	10	"bug1/5/005"	seq	10	"bug1/6/012"	seq	18	"quadra basic"	prg	6	"renumber"	prg
10	"bug1/3/cov"	seq	10	"bug1/5/007.1"	seq	8	"bug1/6/013"	seq	2	"quadra basic m1"	prg	2	"address list"	seq
12	"bug1/3/002"	seq	9	"bug1/5/012"	seq	13	"bug1/6/014"	seq	16	"editor"	prg	1	"renum.test"	prg
11	"bug1/3/011"	seq	7	"bug1/5/013"	seq	13	"bug1/6/015"	seq	35	"asmbler"	prg	1	"renum.1"	prg
12	"bug1/3/012"	seq	10	"bug1/5/014.1"	seq	15	"bug1/7/cov"	seq	5	"demo-m1.sou"	seq	6	"renumbered"	prg
14	"bug1/3/003"	seq	8	"bug1/5/011"	seq	12	"bug1/1/cov"	seq	13	"unassembler.note"	prg	344	blocks free.	
14	"bug1/3/010"	seq	6	"bug1/5/007"	seq	12	"bug1/1/002"	seq	36	"unassembler.kern"	prg			
9	"bug1/3/015"	seq	16	"bug1/6/cov"	seq	8	"bug1/1/004"	seq	38	"unassembler.bas"	prg			
5	"bug1/3/013"	seq	13	"bug1/6/002"	seq	8	"bug1/1/005"	seq	36	"unassembler.mae"	prg			

RETAIL NEWS DISTRIBUTION

CBUG #21

\$9.00

#12699

Mr. Freeman is in the retail news distribution business in Newtown Square Pa. In recent years Mr. Wes Robinson developed this suite for managing a route oriented distribution business as a contract programmer to Mr. Freeman. The programs will run in both the B128 or the 8032. More interestingly, with the 8432 emulator you can run multiple segments simultaneously! Documentation is in the "ss find 1/86" file to be read using Superscript. These programs are copyrighted by Mr. Robinson and any distribution beyond CBUG is expressly prohibited.

1	"find prg disk	" 30 2c	11	"do count"	prg	5	"routelist"	prg	1	"n belfield"	seq	6	"59"	seq
19	"main menu"	prg	6	"dear customer"	prg	11	"so count"	prg	1	"bon air"	seq	13	"60"	seq
31	"ss find 1/86"	seq	10	"inq list"	prg	3	"spin disk"	prg	1	"bon air2"	seq	13	"61"	seq
116	"bill menu"	prg	8	"l listdl abbr"	prg	8	"file concat"	prg	1	"bon air3"	seq	13	"62"	seq
116	"sun bill"	prg	2	"list autorun"	prg	2	"screen print"	prg	1	"brierwood"	seq	15	"63"	seq
112	"data load"	prg	2	"list newsmaster"	prg	119	"bill b128"	prg	1	"ablocklist"	seq	5	"menu b128"	prg
19	"block menu"	prg	3	"load autorun"	prg	15	"loadtrans instr"	prg	1	"atest 1"	seq	3	"anos0-11/18"	seq
5	"auto1"	prg	4	"load newsmaster"	prg	9	"pd1"	prg	1	"atest 2"	seq	3	"ss end of find"	seq
9	"auto3"	prg	6	"name search df"	prg	8	"righteven"	prg	1	"anos0"	seq	1	"ss-misc"	seq
8	"auto3sun"	prg	2	"newsmaster"	seq	8	"lefteven"	prg	14	"38"	seq	7	"labels6.p"	seq
3	"bill notice"	prg	12	"pay rec"	prg	1	"annabella"	seq	9	"92"	seq	1	"-from-"	seq
8	"code 7"	prg	12	"pay rec so"	prg	1	"ashton"	seq	16	"57"	seq	1186	blocks free.	
7	"code 4"	prg	2	"pay rec lines"	prg	1	"ashton2"	seq	14	"58"	seq			

MATH EDUCATION PROGRAMS

CBUG #22

\$9.00

#12701

This is a series of math education programs developed by Bill Townsend over the last two years which were presented last fall at the Indiana Computer Educators Conference. They print out worksheets and tests for high school math classes. Most of the programs are for the Refresher or General Math Classes, but there are a few for eighth grade math and a few for the higher math class.

Mr. Townsend has kindly donated this series to the CBUG membership for its use. Others need secure permission from Mr. Townsend.

1 "math programs" 54 2c 7	"interest prob" prg 3	"print circle equ" prg 8	"tax rate prob" prg 4	"dec div 1361" prg
8 "subt fractions" prg 12	"range-med-aver" prg 7	"alg equ +/-" prg 7	"carpet cost" prg 8	"bigfract mult" prg
4 "assign computer" prg 5	"averages" prg 4	"subtraction 8" prg 6	"solve circles" prg 4	"simp salary" prg
8 "subt big fract" prg 3	"medians" prg 4	"subtraction" prg 7	"solve 2 circles" prg 4	"gross salary" prg
4 "comp pairs assign" prg 8	"trapezoid area" prg 4	"subtraction 2" prg 9	"pl figure area" prg 5	"gross sal 1361" prg
4 "computer assign" prg 8	"rect solid ta&vo" prg 4	"mult 3by2 digits" prg 8	"solids vol/area" prg 4	"fract of 1361" prg
7 "add problems" prg 8	"tri area sas" prg 4	"large mult 3x3" prg 4	"range/median/ave" prg 9	"frac div 1361" prg
6 "fifty add prob" prg 9	"cyl la-ta-vol" prg 4	"large mult 3x2" prg 4	"multi average" prg 9	"frac/div/1361" prg
9 "subt 3 digits" prg 9	"rect p& area" prg 6	"large additions" prg 4	"pythagoras -c" prg 7	"frac redu 1361" prg
6 "two digit div" prg 8	"triangle area" prg 4	"large div" prg 5	"pythagoras -b" prg 4	"dec/line/add1361" prg
8 "two digit mult" prg 8	"cone volume" prg 7	"fract reduce" prg 4	"tennis ball prob" prg 4	"dec 60 line1361" prg
2 "round cents" prg 8	"sphere area/vol" prg 4	"decimal line add" prg 4	"ten/ba expt 500" prg 6	"dec/mult/round" prg
4 "line dec add" prg 7	"mean variation" prg 4	"large div r" prg 4	"tri area (sss)" prg 7	"simp int 1361" prg
4 "metric sheet" prg 6	"med/ran/ave/7" prg 4	"big div rem" prg 3	"tri area (sas)" prg 4	"dec div-1361" prg
4 "decimal mult" prg 6	"ran-med-ave-8" prg 4	"dec add line" prg 6	"metric equals" prg 4	"doll/cent round" prg
5 "dec mult rd" prg 9	"add/subt signed" prg 8	"fract add big" prg 6	"metrics 3x" prg 4	"dec/part/of 1361" prg
4 "division r" prg 4	"mult signed numb" prg 8	"big fract mult" prg 5	"tri/area/sas" prg 4	"dec of prob" prg
4 "dec division" prg 4	"division signed" prg 5	"fract of \$/ct" prg 9	"pl fig area 2" prg 4	"dec of calc 1361" prg
2 "prime factors" prg 2	"number lines" prg 8	"fract div sp" prg 9	"wk fed tax cal" prg 4	"fraction of calc" prg
3 "greatest factors" prg 6	"mult/div/signed" prg 5	"fract of dollars" prg 8	"la/vol solids" prg 5	"comb pcts 1361" prg
2 "fraction add" prg 8	"graph equa 8" prg 6	"calculator mult" prg 1	"ans (25) sheet" prg 4	"calc mult 1361" prg
10 "trig triangle ws" prg 5	"circle cir/area" prg 7	"calculator div" prg 7	"sp add problems" prg 4	"calc add 1361" prg
10 "solve triangles" prg 6	"rectangle p/area" prg 1	"name flash" prg 1	"pr let quality" prg 6	"pct proportions" prg
5 "fract mult/div" prg 8	"parallelo area" prg 7	"percent of '28" prg 5	"mult 3x2 spec" prg 13	"units sq ft etc" prg
5 "memofractperct" prg 4	"tri3sides area" prg 4	"dec line add" prg 1	"56 answer sheet" prg 13	"sq units" prg
4 "pertosfraction" prg 5	"tri2s/angle area" prg 7	"calc mult/div" prg 5	"3x2 mult spc" prg 5	"scale mappings" prg
5 "percent of" prg 5	"rectangle solids" prg 5	"subtraction sp" prg 2	"25 ans sheet sp" prg 10	"rect/peri/area" prg
5 "perc of dec" prg 5	"base/vol pyramid" prg 5	"addition spec ed" prg 4	"division two" prg 11	"farm area prob" prg
7 "trig prob" prg 5	"ba/vol cylinder" prg 5	"add spec ed 1" prg 5	"7 number average" prg 9	"area plane figs" prg
7 "pect base" prg 5	"base/volume cone" prg 5	"mult spec ed" prg 4	"dec/line/add 30" prg 9	"la/ta/vo/cyl" prg
5 "percentages" prg 5	"ba/vol/la cyl" prg 7	"feet-inch add" prg 4	"decimal adds" prg 10	"solids area/vol" prg
5 "rate pct" prg 4	"operations order" prg 7	"ft-inch subt" prg 4	"forty averages" prg 9	"triangle 3 areas" prg
7 "combined pct" prg 6	"algebra equation" prg 5	"48 additions" prg 1	"ans (50) sheet" prg 4	"FROM & letter" seq
1 "ans sheets" prg 6	"alg equ 4x" prg 9	"doll/cent disc" prg 3	"1361sp ans" prg 1075	blocks free.
10 "discount prob" prg 6	"hyperbolas print" prg 9	"discount \$/cents" prg 5	"dec mult 40" prg	

BIBLE GAMES

CBUG #23

\$15.00

#12735

Yet another item from our librarian, Rev. Mark Schwarzbauer. With a great deal of arm bending, Mark negotiated a fellow minister into allowing CBUG to publish these copyrighted programs for use by CBUG membership at a fraction of the usual \$60.00 royalty applied in their releases for other machines. Great for the kids.

1 "R-SIG-2" aa 2c 8	"instscrm" prg 134	"luke" prg 54	"farway" prg 3	"the answers" prg
1 "Startup" prg 8	"bootscrm" prg 141	"acts" prg 1	"directory" seq 1550	blocks free.
6 "menu" prg 97	"mark" prg 24	"books" prg 25	"answer key" seq	

8432 DISSASSEMBLED

CBUG #24

\$9.00

#12720

Back last fall yours truly was wondering if the 8432 emulator might be modified to assist in running C-64 materials on the B128. To our good fortune two of the most experienced PET experts in the Fox Valley Commodore Users Group, Messrs Ken Magin and Paul Moch agreed to dig in and see what could be done. The first step, a huge one, was to disassemble the 8432 emulator to study it. The project proved impractical, but they copyrighted their work and turned it over to CBUG for distribution amongst the membership lest all that work be of no value at all. So CBUG programming wizards, go to it! <<<P.S. This work is on the original 8432 emulator first published in CBUG #1.>>>

1 "8432 disasbld" 72 2c 56	"8432a-06.src" prg 35	"8432.21-01" seq 1	"8432.21.lib" seq 48	"8432b.21-05.src" prg
64 "8432a-01.src" prg 45	"8432a-07.src" prg 38	"8432.21-02" seq 22	"8432.21.lab" seq 31	"8432b.21-06.src" prg
47 "8432a-02.src" prg 22	"8432a-08.src" prg 38	"8432.21-03" seq 52	"8432b.21-01.src" prg 1	"8432b.21.lib.src" prg
56 "8432a-03.src" prg 1	"8432a.lib.src" prg 34	"8432.21-04" seq 55	"8432b.21-02.src" prg 28	"8432b.21.lab.src" prg
49 "8432a-04.src" prg 30	"8432a.lab.src" prg 35	"8432.21-05" seq 61	"8432b.21-03.src" prg 4	"FROM (c)" seq
51 "8432a-05.src" prg 34	"b" prg 20	"8432.21-06" seq 48	"8432b.21-04.src" prg 1046	blocks free.

PRINT FILES #3

CBUG #25

\$9.00

#12665

These are the print files from the CBUG January 1986 telecommunications issue, followed by the full text of Gary North's Electronic Mayhem Articles organized in both bisected and 4 part forms, the full text of William Wolf's Disk Care thesis, etc., Marilyn Gardiner's CBUG Local Newsletter and Anthony Liversidge's articles. Of course all the items subsequent to the January issue are full text of articles appearing herein.

1 "jan86 telecom " j8 2c 33 "deb.bk" seq 23 "order form 0186" seq 2 "_____ww_____"	seq 41 "Dec85 nwsltr" seq
20 "announc 0186 tel" seq 3 "sch" seq 10 "jessie meeting" seq 129 "WOLF disk tips" seq 1 "_____a1_____"	seq 5 "catalogue AL" seq
83 "superspell.tm" seq 88 "scratch 0186" seq 1 "___ above ___" seq 22 "SKYLES MOD for B" prg 5 "star logo" prg	seq 8 "desiderata" seq
7 "want ads 0186" seq 1 "yell.mm" seq 2 "_____gn_____"	seq 5 "WOLF RS232 print" seq 8 "keys" prg
9 "branca ltr" seq 12 "yell.list" seq 102 "1" seq 24 "SKYLES IEEE" prg 8 "PS to reader" seq	seq 3 "WOLF letter.form" seq 8 "keys written" seq
6 "spurlock ltr" seq 22 "yell.pt" seq 106 "2" seq 30 "skyles ieee" seq 1 "sys.0.cnfg.a3" prg 119 "article" seq	seq 4 "WOLF C64 to B128" seq 10 "disk care reshap" seq 112 "a1-norm dec15 85" seq
14 "letters.bk" seq 35 "library 0186" seq 64 "a" seq 70 "d" seq 126 "disk care reshap" seq 415 blocks free.	
19 "letters.pt" seq 7 "comp/trac ad" seq 51 "b" seq 1 "_____mg_____"	
29 "be.online.pt" seq 8 "comp/trac1 ad" seq 49 "c" seq 1	
38 "deb.pt" seq 8 "paid ads 0186" seq 70 "d" seq 1	
31 "deb.clean" seq 2 "postage frank" seq 3 "letter to reader" seq 1	

PRINT FILES #2

CBUG #26

\$9.00

#12651

These are the print files for this issue, excluding advertising and order forms for which there simply was no room left on the disk. That overflow will be added to Print File Disk #3, CBUG #25.

0 "jan86 telecom " j8 2c 33 "deb.bk" seq 23 "order form 0186" seq 2 "_____ww_____"	seq 41 "Dec85 nwsltr" seq
20 "announc 0186 tel" seq 3 "sch" seq 10 "jessie meeting" seq 129 "WOLF disk tips" seq 1 "_____a1_____"	seq 5 "catalogue AL" seq
83 "superspell.tm" seq 88 "scratch 0186" seq 1 "___ above ___" seq 22 "SKYLES MOD for B" prg 5 "star logo" prg	seq 8 "desiderata" seq
7 "want ads 0186" seq 1 "yell.mm" seq 2 "_____gn_____"	seq 5 "WOLF RS232 print" seq 8 "keys" prg
9 "branca ltr" seq 12 "yell.list" seq 102 "1" seq 24 "SKYLES IEEE" prg 8 "PS to reader" seq	seq 3 "WOLF letter.form" seq 8 "keys written" seq
6 "spurlock ltr" seq 22 "yell.pt" seq 106 "2" seq 30 "skyles ieee" seq 1 "sys.0.cnfg.a3" prg 119 "article" seq	seq 4 "WOLF C64 to B128" seq 10 "disk care reshap" seq 112 "a1-norm dec15 85" seq
14 "letters.bk" seq 35 "library 0186" seq 64 "a" seq 70 "d" seq 126 "disk care reshap" seq 415 blocks free.	
19 "letters.pt" seq 7 "comp/trac ad" seq 51 "b" seq 1 "_____mg_____"	
29 "be.online.pt" seq 8 "comp/trac1 ad" seq 49 "c" seq 1	
38 "deb.pt" seq 8 "paid ads 0186" seq 70 "d" seq 1	
31 "deb.clean" seq 2 "postage frank" seq 3 "letter to reader" seq 1	

Goceliak's Goldmine #1

CBUG #27

\$9.00

#12492

Liz Deal's brief review of the disk produced a description of a real goldmine. Take a look at Tony's article to get an inkling of what he is up to. There are atleast 60 pages of articles on this disk, only a few of which will be in THE ESCAPE over the next several issues. Tony has exhibited some of the new types of files — not just the usual prg and seq files, but prg<, rg?, del, and usr< on this disk. Without a doubt this will be one of the most valuable disks ever released by any users group.

"goceliak's patch" x3 2c  
 shift/run" gives option of reading 'instructions' w/out SS  
 -8050 utilities-"  
 disk rx" all basic disk examine & modify pgm. No m/l  
 8050 copy 0 to 1" what's in a title?  
 copy disk job q" can bypass one source of error that stops above.  
 copy id0<>id1" change visible AND format disk ID#'s while copying  
 fdc zpage displa lets you watch 8050 FDC RAM work w / address titles  
 move block 8050" shuffle disk 1 sector at a time. Very handy!  
 change bytes t/s" Install basic data statement m/l onto disk for b-e  
 change bytes hex" ditto, but handles hexadecimal opcodes for 8050  
 seek" move your 8050 read/write head via job queue.  
 blinky #3" fantastic light show from your 8050  
 test" examine your 8050's RAM and see what it does  
 b-e 1-2" Execute the m/l routine on tk#1 sector#2!!  
 manual copier" I made this disk using this dinky program.  
 disk t&s dump" wanna see what's on a disk?  
 20 error" Create your own disk errors. Unrecoverable version  
 24 error" Create your own disk errors, but still find block  
 8050 rapid off" The world's SHORTEST disk program. My 8050 ran  
 longer after it was done than during. No more!  
 move head" by direct intervention with this pgm. (92 tracks!)  
 ds\$ experiment" type in a number, get out a message!

+++++ " <  
 —freebie —" <  
 +++++ " <You probably already own over 180 programs that  
 create a disk" <you don't know about. A few minutes & you will!!!  
 —expense calc—"  
 auto v1" A FAST, comprehensive analysis of every penny you  
 rattletrap #1" spend on your car. Includes demo files as well.  
 rattletrap #1+"  
 —utility—"  
 —don't run—"  
 —these alone—"  
 print screen" Basic loader for following m/l pgm.  
 m/l print screen" Puts what is on screen out to printer.  
 gotcha" get got good  
 track1-sector2"  
 track1-sector3"  
 —more utility—"  
 —ok to run—"  
 basic print scrm" You can do it with basic if you try.  
 read error test" Find those nasty head bumping sectors on your disks  
 basic time demo" More tha one way to skin a cat. Some take longer.  
 —del file demo—"

—discourse on—" < Note the "<" It means 'locked file'  
 —the 8050—" <  
 investigations#1" Rummaging through the 8050 yields some goodies!  
 investigations2a" Want to learn to write on the back side of disks?  
 mpi8050 drv swap" Drive 0 down? can't load SS? Do this and you can.  
 85 track 8050" 85 tracks. No fooling!  
 —90track test—" <  
 superseek test90" A 90 track demo to convince you that 85 works fine!  
 —real stuff—" <  
 85 track mode" This pgm expands your 8050 to 85 track operation!!  
 —8050 charts—" <  
 8050 direct tab1" Master your disk drive with this map.  
 8050 page \$10XX" The 8050's command page revealed.  
 fdc ram page 0" That's right! RAM of the 2nd computer in the 8050  
 8050 ip page \$00" Zero page map of the 1st computer in the 8050!!  
 8050 riot adres" Manipulate your drive at will with this info.  
 —disassembly—" <  
 fdc \$05 start up" Commented disassembly of how the fdc wakes up.  
 fdc assy file" Commented disassembly of the entire fdc ROM!!  
 fdc assy file" For those who prefer their disassembly straight.  
 —dumps to—" <  
 —bank 15 cart—" <  
 fdc rom (-32768)" Entire FDC ROM dump  
 8050rom(-32768)+"" Entire IP ROM dump (incl all address anomalies)  
 —customized—" <  
 —disassemblers—" <  
 8050 rom dis" If you own a bank 15 cart bloads dump and does dis  
 fdc rom dis" Ditto for fdc. Both have custom zero page names.  
 my dis no zpage" Dumbo disassembler for guys like me  
 8050 rom dumper" If you don't own bank 15 cart, make your own dump  
 —8050 ip —" <  
 quicklook 8050ip" I have concentrated on the fdc but here a bit of ip  
 g—secure files—" <  
 security lock" <SCRATCH-PROOF Your files! A SOFTWARE write-protect  
 file type change" <Make your own eq? files  
 drink of lethe" <Scratching a file isn't enough. This OBLITERATES it.  
 lock disk" <Still use rnd files? m/l for b-e? protect em here  
 disksave protect" <Create a TOM disk  
 disksave unlock" <Un-TOM your disk. Not 100% certain, but best shot  
 —encrypted —" <  
 —files —" <  
 decrypt" <Use this program to read files scrambled by encrypt  
 encrypted msg100" <A demonstration file. Use #100 to decode it.  
 no key crypt" <You tell me what number I used and win a prize.  
 encrypt" <Create scrambled files readable only by auth. pers.  
 —8050 disks—" <  
 —on the sfd—" <  
 convert disk.ins" My first efforts into disk compatability problems  
 —b-128 forms—" <  
 esc key list" You can't tell the commands without a scorecard  
 superchart" I love it. m/l, hex, decimal, #bytes all in one.  
 zero page blank" Just fill in the blanks and you become a guru  
 —" <  
 hide frm ms.deal" <  
 —" <  
 b function keys" Don't let on. We are using the function keys.  
 —printer cmds—" <  
 8023 sa" Too many to remember? Print this chart.  
 4023 sa" A few less, but still can be confusing w/o help.

than 380 blocks free. (Considering the lead programs on this disk, do I have to hit you over the head?  
 Any Cryptanalysts out there who dare to challenge my file 'no key crypt'?

—" Archive developmental pgms ON DISK. Won't load  
 duplicate disk" unless you know how!  
 —" <  
 —duplicate —" <  
 —file name demo—" <  
 —" <  
 goceliak" <  
 goceliak" <Now where have I seen that name before?  
 —" <  
 —sound &—" <  
 modem tones" Send yourself standard tones and align your modem  
 tone generator" Send almost ANY tone as long (or short) as wanted  
 morse tutor" A tough way to learn, but you'll be a master  
 happy birthday &" Convinced my wife the Computer was worth it!  
 —patched games—" <  
 20 bumps" <  
 labyrinth" <  
 lunar lander" <  
 super lander" <  
 beethoven 1.4" <  
 dominoes" <  
 —wordpro3—" <  
 wordpro3" I found a pgm wordpro2. Nothing worked. This does.  
 —instructions—" <  
 instructions" Words, words,...  
 instructions #2" and more words. Who reads the instructions?  
 ins #3" <  
 —seq reader—" <  
 seq read/print" How you read the instructions without SS  
 —patched —" <  
 —disk pgms—" <  
 disk doctor" All these had flaws as far as b-128 is concerned.  
 disk doctor dr 1" " <  
 superdirectory" " <  
 sfd view bam" " Just stop pgm after track 77 (or 90) for 8050  
 rename disk" " Runs fine on b-128 with sfd or 8050  
 display t&s" " See what's on your disk, 1 block at a time.  
 1 drv copy files" " Copy files using only one drive,sfd or sick 8050  
 disk logger" " <  
 basic cross ref" but not any more.  
 —tests—" <  
 sfd perf chk" Read the instructions. I'm very tired of typing.  
 sfd also chk" <  
 printer demo" Especially for what I think of 'test'  
 printer test" <  
 sfd auto test" programs!  
 search disk" <  
 —demo cartoon—" <  
 disk demo" dload & run this pgm for entertainment.  
 disk display" <  
 disk comm1" <  
 disk comm2" <  
 disk comm3" <  
 disk write" <  
 disk read" <  
 disk overlays" <  
 disk dir" <  
 data file" <  
 test file" but list them all to gain programming knowledge.  
 —descriptions—" I have NO IDEA what this file is. Some number fewer  
 322 blocks free.

CASEY'S SCRUBBER v1.0

CBUG #28

\$19.00

#12504

This is the disk that makes it possible for us to gain access to both Superscript and Superbase code so that we can make corrections and/or add improvements. It also allows us to make unprotected disks of these programs in a manner that makes loading both easier and faster. With this disk and the talents of many of our members, we should end up with word processor and database programs second to none.

As the first entry of what I would call a translator program, Mr. Casey has set an important example. This program is able to copy and translate another program without this program itself containing any infringing code. You have to have the first legitimate copy, and any you make for your own use, even if altered (translated) are permissible under the "fair use doctrine" of the US Copyright code. By nature this type of program must be machine specific, but even then, they are well worth the effort for important materials. The next step is translators that will shift code from one machine format to another; but then we can dream, can't we?

1 "ss2 & sb7 access" jc 2c	6 "superbase 7" prg	Copies Superbase copyable files.
3 "notice" prg	1 "sb" prg	Copies Superbase program code.
8 "frame" prg	12 "format" prg	Creates new program disk.
8 "frame2" prg	23 "notes" prg	Access and operational instructions.
8 "frame7" prg	1 "ss2" prg	Loads new Superscript program.
12 "intro" prg	1 "load ss2" prg	Load transfer program for data disk.
8 "superscript II" prg	1 "sb7" prg	Loads new Superbase program.
1 "ss" prg	1 "load sb7" prg	Load transfer program for data disk.
	1 "notes.s" seq	Notes as a Superscript file.

**CBUG/TPUG (B) P1 & P2**

**CBUG #29**

**\$9.00**

**#12519**

The TORONTO PET USERS GROUP, which is the World's largest Commodore Users Group (providing information for the entire line of past and present commodore computers released its first collections of B128 programs - aptly described by them as a potpourri! A number of titles look familiar, but that does not necessarily mean the programs are the same as elsewhere available. Congratulations to TPUG and their B128 librarian Paul Aitchison for a fine product.

1 "b128potpourri1&2" bp 2c	17 "math" E" prg	20 "lotto results" A" prg	19 "n.s. counties" E" prg	1 "trcounter" seq
26 "list-me (b)p1" L" prg	38 "star bas pr" E" prg	8 "countries" E" prg	17 "days of r life" E" prg	14 "block modifier" U" prg
18 "high-q" G" prg	97 "french verbs" E" prg	4 "math tutor" E" prg	30 "stock exchange" G" prg	3 "load address" U" prg
4 "bird of death" G" prg	25 "diskalc" B" prg	2 "gb to usa" A" prg	14 "cinquian" E" prg	5 "christmas" D" prg
13 "resistor/cap" A" prg	11 "baby care" G" prg	49 "shears scoring" A" prg	26 "drill'er/ir/ur" E" prg	5 "square root" E" prg
82 "logic simulatorA" prg	32 "forest walk" G" prg	1 "<<<<----->>>>" prg	16 "drill ei/ei" E" prg	7 "disk tidier" U" prg
32 "basic logic simA" prg	14 "word test" E" prg	25 "list-me (b)p2" L" prg	18 "drill ou/ow" E" prg	9 "lemonade" G" prg
3 "jk flip-flop" seq	2 "body parts" seq	35 "frosty" S" prg	61 "jesu" S" prg	12 "banker" G" prg
1 "and" seq	7 "million" G" prg	47 "bible clues" E" prg	26 "address book" B" prg	29 "bach invent" S" prg
1 "or" seq	6 "autoline print" U" prg	58 "quiet afternoonD" prg	8 "tokenizer" U" prg	2 "anagram helper" U" prg
2 "full adder" seq	14 "computers" D" prg	19 "cnd prov caps" E" prg	33 "mail" B" prg	8 "b128potpourri1&2" seq
34 "ideal mass" E" prg	42 "the bus barns" E" prg	25 "early set1" E" prg	68 "checkbook" B" prg	720 blocks free.
33 "elect srvc calca" prg	26 "enclosures" A" prg	27 "n.s. cities" E" prg	1 "balance" seq	

**HARRISON'S ASSEMBLER v5.5**

**CBUG #30**

**UPGRADED TO CBUG #56**

ASSEMBLER 5.5 — AN EDITOR/ASSEMBLER PACKAGE for the B-128

You are now just starting to see what a good user's group can do for its members. Howard is a professional programmer and computer hardware man as well. He programs directly in assembly language, having bypassed basic at the beginning. Of course to use his beloved B128 he needed an assembler. None available? No problem, write one. I've been told by parties that have studied Howards effort that it is a top flight program.

**EDITOR FEATURES:**

Full screen scrolling editor with single keystroke commands.  
 Built in DOS wedge with 4-column disk directory.  
 Multiple drive/device support.  
 more  
 Easy exit & re-entry that does not interfere with BASIC or SUPERMON  
 ASCII source can easily be converted from other assemblers (like CBM asm).

**ASSEMBLER FEATURES:**

Extremely fast assembly time  
 Generates relocatable object code.  
 Assembly options include listing, debug, symbol table &  
 Assembler directives include LIB, OPT, ORG, REL, AS@ & more  
 Can assemble from editor or disk file

**ALSO INCLUDES:**

A symbolic Tracer program  
 A resident 2-key screen dump  
 A resident memory "window" program.

COMING SOON: debug 5.5

An interactive assembly language debugger for Assembler 5.5 users.

<<<This blurb included for continuity to the upgrade version.>>>

**SUPERBASE CORNER & HINTS**

**CBUG #31**

**\$9.00**

**12538**

Precision Software last spring provided CBUG with a huge collection of various important information regarding Superbase. Part was from the ICPUG, a London based CBM user's group with the indication that we could reproduce so long as credit was given to the source. Mr Hugh Granville, editor of the Superbase Corner column in the ICPUG journal has compiled a great deal of extraordinary material. Solutions to seeming applications restrictions many members have been asking about. Also to be on this disk, but still in transcription, are some 60 pages of Hints and Tips which Precision themselves wrote. There are numerous program examples and program routines in these new texts. This material is all in addition to the 60 pages previously found on CBUG #13 under the by line of Brian Leighfield of Precision (the Leighfield files are repeated on CBUG 31 for your convenience.

The new materials, ICPUG and Hints have all been hand transcribed by Mr. Paul Moch, of the FVUG (Fox Valley Commodore Users Group) using a C128 running a similar version of Superscript. We most gratefully thank Paul for this incredible effort.

1 "superbase corner" sc 2c	32 "supbase corner3" seq	4 "— CBUG MEMO —" seq	8 "filedefcorrupt" seq	27 "!!!—NOTICE—!!!" seq
13 "defaults" seq	65 "supbase corner4" seq	101 "labels" seq	47 "duplicate keys" seq	
1317 blocks free.	95 "supbase corner5" seq	84 "reports" seq	17 "keys" seq	
99 "supbase corner" seq	30 "supbase corner6" seq	63 "progs&menus" seq	98 "drives/filecops" seq	

79 "supbase corner1" seq 4 "supbasecrnr1b1" prg 20 "fields&calcs" seq 41 "superofficing" seq  
 83 "supbase corner2" seq 1552 blocks free. 60 "command tricks" seq 13 "S&R Instructions" seq

KERNAGHAN'S REVISED v3

CBUG #32

UPGRADE

\$10.00

#1153

2 June 1986

Following is a list of the improvements represented in Kernaghan's Revised CBUG #32 since the first release of Kernaghan's Utilities, CBUG #4

Basic crs cmp1d & b15 are added for fast cross checking.  
 Chg addrv2.gb, w/b15, is compiled for fast operation.  
 Conv c64-b128 has some additions.  
 Conv petcbm-b128 has some additions.  
 Dir 2 col ptr v2 is improved.  
 Disk check 2.0 replaces the previous 'disk check'.  
 Disk doctor.b runs without 8432 emulator.  
 Disk logger v2 runs without the 8432 emulator.

Dsk hdr/id chg replaces two separate programs.  
 Performance 1.0 is an added disk/drive checker.  
 Pgm finder.ssdcc instructions are in a Superscript seq file.  
 Prog adds.gb, w/15, are added to find loading and ending addresses.  
 Prog.printout.v2 is improved.  
 Typist replaces 'typewriter' and is now correctable.  
 Checkers80.gb, w/b15, is compiled for a fast acting game.  
 Labyrinth.v2 is improved.  
 TV satellites.v2 has a few added satel,jites.

A few typos in the 'instruction' file have been corrected.

My thanks to those who have contacted me about the programs on the original disk, and to Anthony Goceliak for modifying Disk Doctor and Disk Logger to run without the 8432 emulator, also for improving Labyrinth.

Warren Kernaghan

#### UTILITIES

'Basic crs cmp1d' & 'b15' prints a list of variables used and lines using them, also line numbers called by other lines.  
 'Change 8050' changes the device number from 8 to 9 through 15.  
 'Chg addrv2.gb' & 'b15' modify the load address of a program.  
 'Compactor' will compact a program for faster running and less space.  
 'Compactor.fast' does the same, faster. Uses 8432 Pet emulator.  
 'Conv c64-b128' & 'conv petcbm-b128' are charts of memory addresses.  
 'Copy' copies files from drive 0 to drive 1.  
 'Copy 8/9 chg add' copies from device 8 to 9, while changing address.  
 'Copy all mult' formats a disk and copies all programs.  
 'Copy alpha v2' can format, copy all or selected files, and alphabetize.  
 'Copy-sort' copies all files from 0 to 1 with optional alpha sorting.  
 'Data writer' reads code in memory, then outputs it for data statements.  
 'Dir 2 col ptr v2' prints a 2-column directory.  
 'Dir printout' is an elegant little directory printer.  
 'Disassem pet sym' disassembles from memory, to screen or printer.  
 'Disassembler p' is a Butterfield disassembler for screen/printer.  
 'Disassembler.d' works with the files on disk, for screen/printer.  
 'Disinterpreter' converts code in memory to BASIC on screen.  
 'Disk check 2.0' tests disks in device 8, drive 0 or 1.  
 'Disk commands' allows loading, scratching, renaming, or copying.  
 'Disk doctor.b' displays a sector of a specified track, allowing changes.  
 'Disk logger v2' provides a deluxe directory, with T/S and loading addresses.  
 'Disk maintenance' offers backup, copy, directory, new, rename, scratch,.  
 'Disk manager' has formatting, single program copying, renaming, erasing.  
 'Disk revival' is an unscratcher, to restore scratched files.  
 'Disk T/S' displays any track/sector on screen/printer.  
 'Disk tidier' helps delete unwanted files, using the directory.  
 'Disk unscratch' is an excellent file restorer for scratched files.  
 'Diskview' not only views, it can change what it shows you.  
 'Dsk hdr/id chg' will change disk header and/or id characters.  
 'Hex dump dos' is a hex dump of disk drive processor or IEEE processor.  
 'Hex dumper 80' is a hex dumper from disk.  
 'Load address is' displays the load address of any program file.  
 'MSD purge.b' selectively scratches program files on an MSD drive.  
 'Peek print' displays the results of a keypress at any address location.  
 'Performance 1.0' is a disk and drive checker.  
 'Pgm data.disk & pgm search.disk' locate programs in your disk library.  
 'Prog adds.gb' & 'b15' display both loading and ending program addresses.  
 'Prog print' allows easy printing of programs.  
 'Prog.printout.v2' prints program listings.  
 'Seq list cbm/asc' reads seq files such as those on this disk.  
 'Seq lister' quickly displays a sequential file to screen.  
 'Seq prg-bas.prg' tokenizes listings of basic programs.  
 'Seq read/print' is a sequential file reader and printer.

'Perp calendar' will display a calendar accurate from 1582 on.

#### EDUCATIONAL

'Body weight' calculates more than you can believe about your body.  
 'Brain balance' helps determine which side of your brain is most used.  
 'Life expectancy' will estimate your total span of years.  
 'Long division' drills students in progressively difficult problems.  
 'Yellow light' is a reaction time evaluation.

#### ENTERTAINMENT

'Bioprinter' furnishes screen or hardcopy for biorythm plots.  
 'Biorythm 2.5' displays the plots on screen only.

#### GAMES

'Afo/balloon' is a graphics game wherein the player tries to hit the AFO.  
 'Blackjack' is the old standby, with graphics.  
 'Blackjack-jb' takes place at the Butterfield Social & Recreational Club.  
 'Bomber' is a graphics game, with the player trying to down the bomber.  
 'Checkers80.gb' & 'b15' A wide screen checker game.  
 'Dominoes.c' is an easy to play graphics game.  
 'Hamurabi' Try your hand at governing Sumeria for a 10 year term.  
 'Kingdom' is an improved version similar to hamurabi.  
 'Labyrinth.v2' lets you specify a 3-D labyrinth, then try to get through.  
 'Lunar lander' is learning to balance velocity, fuel and time.  
 'Super lander' is an improved version of lunar lander.

#### GRAPHICS

'75 names' can be a grid filled with one character, or 80 columns repeating a name, phrase, or sentence.  
 'ASCII screen' pokes the screen RAM with any ASCII code typed in.  
 'Banner' outputs large characters or signs on the printer.  
 'Bar chart' is a demonstration of graphics display.  
 'Bar graph subtrn' is a demo intended to be interfaced with a program.  
 'Bar grf' is a horizontal bar graph presentation to screen/printer.  
 'Bargraph' is a comprehensive vertical bar auto-scaling printer.  
 'Big letter ads' displays, on screen, moving messages of up to 20 lines.  
 'Big letters' displays a brief message in 3-D characters.  
 'Big time' displays a large running digital clock.  
 'Pedigree charts' prints blank pedigree charts for geneologists.  
 'Squiggle' displays entertaining designs.

#### SOUND

'Typist' uses computer and printer as a correctable typewriter.  
 'Uncompactor' stretches those compacted or regular programs.  
 'WP prg printout' is a good program for printing most wordpro files.  
 'WP read/print' is good for displaying wp files, but prints slowly.

'Yesterday' from the same song. Just 'run'.

TECHNICAL

CALENDARS

'Calendar printer' outputs any month to screen or printer.  
 'Calendars screen' displays any month from 1904-2099.  
 'Day of week' outputs the day of the week from day, month, and year.  
 'Memory calendar' is an appointment record. (Uses 'March').

'555 timer' helps design a timer circuit, for electronics design.  
 'Anglo-metric' is a conversion program, easy to use.  
 'Lo-pass filter' helps design a low-pass active filter circuit.  
 'Metric conv' is similar to 'anglo-metric'. Take your pick.  
 'Reg ps design' helps design a complete DC power supply.  
 'TV satellites.v2' calculates satellite positions.

MEDICAL ACCOUNTING v2.0

CBUG #33

UPGRADE

\$9.00

11540

I have made several changes to the "set.up" program and wish to submit the new version to you and CBUG. This version includes a label printing routine controlled by the F7. Changing the disks with Superbase, of course, requires readdressing the disk index with each new disk inserted; this is done with the F10 button. Thank you for allowing me to share both my program and your organization's excitement with the B128!

Robert F. Lackey RTR, RTN, CNMT, RDMS 6/22/86

This is an upgrade of CBUG #14, a sophisticated Medical accounting practice for multiple practice and multiple provider numbers to accomplish insurance and patient billing, patient records, and office accounting. This is a Superbase application.

1 "AGdBase	" 1a 2c	4	"hexecute"	seq	3	"hmemo"	seq	1	"TRAINING"	seq	1	"setup.p"	seq
6 "start.p"		seq	5 "hhelp"	seq	7	"hmenu"	seq	1	"PT"files	seq	5	"singleps.p"	seq
4 "henter"		seq	5 "hfile"	seq	3	"hcommands"	seq	10	"pt acct"	seq	6	"hcfaps.p"	seq
5 "hselect"		seq	7 "hformat"	seq	3	"himport"	seq	4	"pt info"	seq	5	"singleer.p"	seq
3 "hfind"		seq	4 "hbatch"	seq	3	"hexport"	seq	1	"hlist"	seq	6	"hcfaer.p"	seq
5 "houtput"		seq	5 "hsort"	seq	7	"hlabels"	seq	1	"olist"	seq	8	"hcfa"	seq
5 "hcalc"		seq	4 "hprog"	seq	2	"cust.rec"	seq	1	"klist"	seq	3	"batchlabel.p"	seq
5 "hreport"		seq	4 "hmaintain"	seq	2	"cust.inv"	seq	2	"pt dx"	seq	3	"batchlabels.p"	seq

1612 blocks free.

<<<As a point of reference, following is the original blurb for the prior disk, CBUG #14.>>>

Superbase Physician Billing for HCFA-1500 Insurance Forms. "Set.up" is a collection of 5 programs written to run within the superbase environment. It allows any of four variations of the HCFA-1500 form to be printed by pressing a key f1-f4. The system configuration as called for currently is the basic Protecto set, using the 8050 disk drive. A version using the CSI ST10C 10 MB disk drive is in progress now.

The programs were written for Dr. Adrian M. Griffin, MD. This gentleman is certified as both an Emergency Medicine Physician and a Psychiatrist. He has an in-hospital practice within the Emergency Department of our local hospital, with associated follow-up with his private office. Additionally, he has his Psychiatry practice through his private office, as well as staff privileges to admit and care for his patients as the staff psychiatrist. This multiple skill conjours up a dragon when it comes to the standard billing protocol with good ol' HCFA-1500. He has two different provider numbers, plus either of the two must be prefixed with an "89" for medicaid patients. Hence: "Set.up", which allows his secretary to use function keys to print a single or multiple HCFA forms for either his ER or his PSY practice.

The single form filer allows just that, for either a solitary patient treatment, or to refile one of those claims rejected without explanation by one of the MEDIs. Or, after entering 15-20 patients into the hcfa file, seen the night before in the emergency room, the batch function allows the secretary to go for coffee while the B128 prints out all 20 insurance forms on the printer.

The PSY programs are most suitable for use with a private practice, and can be easily modified with the SUPERBASE program functions to contain the user specific information such as name, provider number, address, etc. The ER programs are suitable for a hospital practice with separate billing.

The database name is "pt files" and includes data files called "hcfa", "pt info", "pt dx", and "pt acct". The prime file, of course is "hcfa". Non-insurance data of a privileged nature is stored within "pt hx" and "pt meds" for those purposes.

Mr. Robert Lackey is the author of these programs and advises that he is prepared to assist practitioners in modifying the program to use variants of the HCFA forms. He has written clerical functions for radiology departments and offices, patient scheduling for private offices, etc and would consider converting these to the B128 for a nominal fee should interest be shown.

This disk requires payment of \$15.00 royalty if put to commercial use by a CBUG member. The programs and text hereon are copyrighted by Mr. Lackey, and all reproduction or use outside CBUG membership is prohibited.

LONDON SAMPLER

CBUG #36

\$9.00

#12561

Just a tiny nibble of the things our librarian, Mark Schwarzbauer, brought back from his recent trip to England on behalf of CBUG. This is a really neat sales program on what the B128 can or was supposed to do. Much of the supposed to do things are now being implemented by various of CBUG's ambitious members. This disk has some very interesting graphics such as we have never seen before. There are also several demo files. A fun purchase. Incidentally, the B128 was originally known as the PET II in the early CBM engineering files. Later in Europe it was assigned a whole series of numbers which were enumerated by Mr. Matos in the Fall 1985 ESCAPE -- generally known as the 700 series for short.

1 "700 sampler	" aa 2c	5	"sys0400"	prg
----------------	---------	---	-----------	-----

1	" loader"	prg	8	"pet ii screen"	prg		
8	" boot2"	prg	7	"network"	prg		
8	" bootscrn"	prg	9	"logo"	prg		
9	" copy"	prg	29	"ast.demo"	prg	assembler Tutorial	educational
8	" instscrn"	prg	22	"and.demo"	prg	Android Nim	game
6	" menu"	prg	7	"arr.demo"	prg	Arrow	game
49	"demo"	prg	53	"lab.demo"	prg	Labyrinth	game
5	"menu"	prg	27	"tit.demo"	prg	Titration Solution -	chemistry
1	" directory "	seq	8	"cal.demo"	prg	Calendar	demo

1781 blocks free.

**SUPER PRINT**

**CBUG #37**

**\$19.00**

**12576**

Superprint includes over 60 programs and text files, plus 20 custom banners, that relate to printing with your B-128. Some are from previous pre-releases and ESCAPE articles but are all combined on one disk. Over half the programs have not been available for the B-128 before. Get your copy now while the price is only \$15.00! After December 1st it goes back up to \$19.00. Order from C-BUG today. Note, the price list shows the regular price of \$19.00. Prior to December 1, just extend the line item at \$15.00.

0	"print works"	az 2c	21	"big letter ads"	prg	4	"cassettelabel.ss"	seq	23	"note calendar"	prg
1	" loader"	prg	13	"big letters"	prg	9	"copy"	prg	4	"plot"	prg
1	" directory "	seq	62	"bp-3 wise men"	seq	7	"dir 2 col printe"	prg	15	"prelay.cbm"	prg
8	" boot2"	prg	22	"bp-anniversary"	seq	2	"dir printout"	prg	15	"prelay.epson"	prg
8	" boot3"	prg	25	"bp-capt kirk"	seq	11	"double column"	seq	22	"printer demo"	prg
8	" boot4"	prg	14	"bp-charlie brown"	seq	84	"epson print pro"	prg	5	"prog print"	prg
8	" boot5"	prg	13	"bp-jfk bust"	seq	28	"f-key template"	prg	1	"ramp"	seq
8	" bootscrn"	prg	28	"bp-linus"	seq	3	"filep"	prg	1	"ramp2"	seq
8	" bootscrn"	prg	12	"bp-mickey mouse"	seq	9	"fkey template.ss"	seq	3	"rev appt cal"	prg
10	" c-mail inst"	prg	57	"bp-santa pt1"	seq	1	"gnp\$"	seq	16	"rev ship labels"	prg
8	" instscrn"	prg	32	"bp-santa pt2"	seq	19	"graphp"	prg	13	"rs-232 letter"	seq
6	" menu"	prg	40	"bp-schlitz can"	seq	7	"graphp instr"	prg	24	"rs232 typewriter"	seq
6	"75 names"	prg	12	"bp-schroder"	seq	165	"hints + tips"	seq	20	"screen ed-large"	prg
6	"8050 format"	prg	64	"bp-seasons g."	seq	7	"hlabels"	seq	6	"screen editor"	prg
3	"8050 menu"	prg	20	"bp-shuttle"	seq	14	"home video"	seq	5	"scroll"	prg
25	"8050 print"	prg	6	"bp-skull"	seq	9	"inter-comrex"	seq	12	"seq read/print"	prg
42	"8050 update"	prg	44	"bp-snoopy dance"	seq	41	"inter-diablo"	seq	9	"ss2/8050"	seq
2	"ascii screen"	prg	39	"bp-statue/david"	seq	6	"inter-powertype"	seq	10	"superbase labels"	seq
47	"b index-sup/scpt"	seq	26	"bp-tweetie pie"	seq	44	"inter-rs232 nul"	seq	3	"typewriter"	prg
15	"b256 labels"	prg	13	"bp-winnie pooh"	seq	23	"inter-smith cor"	seq	45	"word result"	seq
9	"banner"	prg	12	"bp-woodstock"	seq	25	"labels"	prg	13	"yearly calendar"	prg
36	"banner 2"	prg	23	"bp-xmas tree"	seq	8	"labels.p"	seq	2	"FWC"	prg
5	"bar chart demo"	prg	47	"c-mail2 instr."	seq	4	"line plot"	prg	30	"instructions"	seq
8	"bar graph subrtm"	prg	32	"calendar-large"	prg	16	"lines per page"	seq	142	blocks free.	
14	"bar grf"	prg	14	"cartoon"	prg	19	"name sort"	prg			
21	"bargraph"	prg	15	"cassette label.w"	prg	23	"new list 8050"	prg			

**CBUG PRINT FILE 4**

**CBUG #38**

**\$9.00**

**12580**

These are the print files comprising the CBUG SUMMER 1986 ESCAPE, part 1. There are two major portions set up as linked files, the library and article sections.

1	"summer86"	es 2c	9	"31"	seq	43	"bishop"	seq	12	"kernaghan002"	seq
17	"CBUG ads"	seq	38	"17a"	seq	43	"bishop orrig"	seq	21	"kernaghan003"	seq
133	"scratch 0786"	seq	36	"32"	seq	30	"cumfer"	seq	42	"goceliakin1"	seq
9	"prog letter.ss"	seq	9	"33"	seq	36	"cumfertele"	seq	19	"goceliakin2"	seq
9	"superspell.tm"	seq	16	"coombs inventory"	seq	14	"casey"	seq	1	"goceliakequal"	seq
9	"want ads"	seq	13	"786 library lead"	seq	22	"mccarthy"	seq	36	"goceliakbig"	seq
4	"hi res ad"	seq	20	"ARCHIVE ORDER FO"	seq	12	"peterson"	seq	8	"kane county"	seq
18	"colorbox ad"	seq	12	"disk.knight ad"	seq	15	"schwarzbauer"	seq	16	"harrison"	seq
41	"27"	seq	124	"liz"	seq	31	"anderson"	seq	8	"& cbug west.e"	seq
10	"28"	seq	14	"purviance"	seq	10	"burgbacher"	seq	15	"table of content"	seq
11	"29"	seq	4	"kclocal"	seq	44	"cross"	seq	842	blocks free.	
10	"30"	seq	128	"matos"	seq	38	"gardner"	seq			

**PD MATH A**

**CBUG #40**

**\$9.00**

**12771**

The next five disks are the well known Commodore Educational Series, available from many user group libraries for the Commodore line of equipment -- except of course the B128. The Space Coast Commodore Business Machines group had advertised their translations of these programs in the Winter/Spring 1986 issue of The CBUG ESCAPE. This is the effort of CBUG registrar Marilyn Gardner. Due to space limitations, we have not previously

released this series even though it was completed last April. Marilyn has made maximum use of the 8050 storage capacity of our systems to reduce what used to be a huge pile of disks down to just 5. Let's give Marilyn some real applause for the weeks of work it took to dig thru each of these programs; the annotated directory alone was no small feat! The entire set is available at a reduced cost also under stock #11822.

```

0 "pub dom ed matha" e4 2c
22 "shift/run menu" prg loads programs; programs return here
1 "--mathematics i--" prg
45 "add & sub" prg teaches how to add & subtract integers
27 "addition drill" prg drill on simple addition problems
26 "addition race" prg move men on screen by solving problems
46 "adds and subs" prg shows objects to count if answers are wrong
62 "agent blotto" prg use all operations to break code for Agent
43 "algebra vectors" prg drills 9 sub-topics under algebraic vectors
32 "amort'n table" prg user inputs loan info, table is printed
31 "analysis 1" prg processes up to 500 student marks
33 "ankova" prg teaches analysis of covariance
27 "anova" prg teaches analysis of variance
35 "artillery" prg choose angle/powder to shoot over mountain
45 "auto add teacher" prg drill with automatic difficulty increases
41 "b.t.c. add" prg practice addition against the clock
36 "b.t.c. decimal" prg practice with decimals against the clock
1 "--mathematics ii--" prg
36 "b.t.c. divide" prg practice division against the clock
38 "b.t.c. fraction" prg practice fractions against the clock
34 "b.t.c. multiply" prg practice multiplication against the clock
40 "b.t.c. percent" prg practice with percentages against the clock
28 "bairstow nth" prg solves nth order polynomials
24 "base change" prg changes baase 10 to base 2 through 16
24 "beads in a jar" prg binomial distribution graphic/numeric
31 "bigtime" prg 12- or 24- hour clock with alarm
36 "bomb add" prg answer addition problems to defuse bombs
25 "bonds" prg calculates present value of savings bonds
39 "brain crane +" prg drill simple addition with graphics
39 "brain crane -" prg drill simple subtraction with graphics
42 "brain crane /" prg drill simple division with graphics
42 "brain crane x" prg drill simple multiplication with graphics
1 "mathematics iii-" prg
24 "choices" prg probability study
45 "clock" prg tell digital time from clock face time
35 "count 1 to 10" prg practice rational counting
38 "count ten" prg graphics to help practice counting
39 "count-five" prg displays in response to key press
37 "dart" prg checks speed and accuracy in four operations
26 "dates" prg tells what day of week given date occurs
48 "decomposition" prg teaches/drills factoring of trinomials
22 "depreciation" prg straight line, double declining, sum of digits
31 "deriv poly" prg input polynomial, x; computer solves for y
41 "dice throw" prg tallies results of throwing various dice
34 "drill si" prg conversions between different metric units
32 "drill" prg add/subtract to 20; multiply/divide to 9-table
28 "drills" prg practice four operations
27 "ellipse-trans" prg computer drawn/translated ellipse
24 "pub dom notes" seq notes on this series of disks
14 "Annotatd Dirctry" seq what you are reading now
475 blocks free.

```

PD ENG A	CBUG #41		\$9.00	#11785
0 "pub dom ed engla" e7 2c				
22 "shift/run menu" prg	loads programs; programs	39 "mm dark wood" prg	Mr. Mugs vocabulary drill	
1 "----english i----" prg		31 "mm homonyms" prg	Mr. Mugs choosing correct words	
30 "a or an" prg	complete sentences w/ proper word	32 "mm ladvf" prg	Mr. Mugs drill on verb forms	
29 "a story" prg	fill in speech parts; computer makes story	33 "mm mugs 2wm" prg	Mr. Mugs sentences to complete	
31 "antonyms" prg	give antonyms of words presented by computer	35 "mm mugs wm" prg	Mr. Mugs sentences to complete	
35 "baseball madlib" prg	fill in speech parts; computer makes story	35 "mm punctuation" prg	Mr. Mugs punctuation of sentences	
49 "computer poetry" prg	team with computr to write poetry	35 "mm sadstory 2" prg	Mr. Mugs sentence completion techniques	
43 "conc. words" prg	memory and matching game	39 "mm share time" prg	Mr. Mugs vocabulary drill	
48 "concentration" prg	game with similar-sounding words	32 "mm vb forms 1" prg	Mr. Mugs drill on verb forms	
34 "definition match" prg	match six words to their definitions	1 "----english iii--" prg		
41 "flasher" prg	recall word/phrase flashed on	32 "mm vb forms 2" prg	as above	
		33 "mm vb forms 3" prg	as above	
		31 "mm vb forms 4" prg	as above	
		35 "mm vb forms 5" prg	as above	
		32 "mm vb forms 6" prg	as above	



80 "buoyancy"	prg teaches/tests on density, buoyance & flotation	26 "fuse"	prg relation between power rating and amperes
43 "cai momentum"	prg quizzes student on momentum	27 "gas equations"	prg solve pressure, temperature, volume problems
28 "charge"	prg simulates Millikan's oil drop experiment	30 "geigercounter"	prg simulation on radioactivity
31 "chemist quiz"	prg drill on symbols, valences, names of elements	61 "inorg chem"	prg drill on inorganic chemistry
29 "chemist"	prg chemical ratio quiz	24 "pub dom notes"	seq notes on this series of disks
1 "----science ii----"	prg	9 "Annotatd Dirctry"	seq what you are reading now
		942 blocks free.	

PD SCI B

CBUG #44

\$9.00

#11818

0 "pub dom ed sci b" e3 2c		28 "periodic table"	prg elements, symbols, and valences
14 "shift/run menu"	prg loads programs; programs retn here	1 "----science iv----"	prg
1 "--science iii--"	prg	86 "ph problems"	prg drill on ph of various solutions
42 "interference"	prg demo of interference of waves	34 "photosynthesis"	prg simulation of photosynthesis experiments
29 "ion"	prg quiz on ion charges and formulae	49 "pollution"	prg simulates waste/oxygen content of body of water
32 "lockey"	prg lock and key hypothesis study of an enzyme	49 "reg pwr supply"	prg design power supplies, optional printout
45 "meter read"	prg demo of reading a photographic light meter	69 "remedial nomencl"	prg drill on chemical nomenclatures
48 "metric volume"	prg quiz on converting one metric unit to another	44 "s.i. conversions"	prg drill on metric conversions
57 "microscopy"	prg tutorial on microscope operation	34 "specific heat"	prg facilitates grading of lab test on sp.ht.
27 "molar"	prg molar calculations with user-input mass	31 "stoich"	prg solving stoichiometric equations
35 "motorcyjump"	prg simulation with distance, angle, speed variable	49 "temp conversion"	prg quiz on Kelvin/Celsius conversions
52 "nomenclature"	prg drill with radicals, acids, ous-ic compounds	41 "titrate"	prg graphic simulation
82 "nuclear reactor"	prg graphic simulation of nuclear power plant	46 "uspop"	prg population growth simulation
27 "percent"	prg calcs percent composition by mass	33 "young"	prg simulation of Young's double slit experiment
		24 "pub dom notes"	seq notes on this series of programs
		8 "Annotatd Dirctry"	seq what you are reading now
		935 blocks free.	

THE ENTIRE SET OF 5 CBM PD DISKS ABOVE

\$40.00

#11822

All 5 at a 10% discount for the set. Just \$40 for the entire CBM public domain educational series reworked to run correctly on the B128 with a minimum number of disks by Marilyn Gardner.

LIZ'S UTILITIES #2

CBUG #46

\$14.00

#11841

Our dear mentor, salvation of the Superscript key bounce, keytrix, and the invaluable Copy All modified from Butterfield for the B-128 is up to her tricks again.. A whole new disk! Now we know what Liz does when she is supposed to be soundly sleeping! (pardon if I left your favorites out of that tiny rendition of great Deal's!)

UTILITIES#2 DISK CATALOG:

"liz util#2 9/86" u2 2c		9 "alarm thought"	p -an idea how the chip's alarm can be set&used. basic demo and a bit of machine code. load, run.
?? "w.contents"	s -all w.* files are superscript format. read with ss or keytrix 'text'0:w.*' command.	4 "rel-len calc"	p -figures out length of records in relative files without bitpicking through directory. for all computers and drives. non-destructive.
1 "< b >"	p	1 "configure b128"	p -helps avoid zero-page programs which are so hard to list on other cbm computers. use this if you do not use keytrix/supermon loader. moves to 8432 are made easier!
2 "+btxfer.fe48"	p -transfer sequences. needed for all machine code running in non-15 banks.	4 "verifizerb128"	p -helps type transactor programs error-free; there will have to be some errors depending on which computer transactor verifies, but they are few.
1 "< k >"	p	3 "basic compare"	p -jim b. compares and shows differences between two similar basic programs.
4 "change dev#"	p -jim butterfield's software change of disk device#	4 "scrm input b128"	p -grabs pre-printed info from screen. just run
23 "copy-all b128.4"	p converted from jim's prg, allows rearranging, skipping files etc.	6 "pre-superscript"	p -fixes the old keybounce. just run.
2 "+copy-a.21c3c"	p	5 "sq.brackets.ins"	p -instructions how to use square brackets fix on 4023
1 "< i >"	p	1 "+ciout.f0680"	p -fixes square brackets on 4023 for s/script,s/base.
7 "execute.v1"	p -loader for +files and does demo. load/run.	1 "+ciout.f5bd3"	p -these versions for basic (see article and the .ins file)
1 "e.demo"	s sequential-execute file for a small demo.	1 "+ciout.f7bd3"	p
2 "+xec b128.f0400"	p	1 "+ciout.f02a8"	p
2 "+xec b128.f5a00"	p	1 "+ciout.f0400"	p
2 "+xec b128.f7a00"	p	1 "+ciout.f0500"	p
2 "+xec b256.f0400"	p	1 "+ciout.f0800"	p
2 "+xec b256.f5a00"	p		
2 "+xec b256.f7a00"	p		
24 "xec.pa1"	p -source file. list to see what's happening and for suggestions for additional coding ideas.		
3 "e.xall"	s -example file for assembling xec versions (list).		

```

3 "e.xall"          s -example file for assembling .xec versions (list).
                    you can't really use e.xall without pal, but it
                    shows how program modifies itself as it runs.
1 "<--- t --->"    p
18 "list/conv v4"  p -fast lister and conversion-helper for programs
10 "+b128.k1st v4" p from all other cbm-computers. can tokenize.
                    this b128-only-version is yours under the freeware
                    agreement. if you use it, please send $5 to me.
                    you must have at least 1K of extra memory in
                    bank 15 to use this program. use anderson's
                    cartridge or calc-result expansion.
                    mini-promotion: i also sell versions which run in
                    all other cbm-computers. Send $10 to me (not cbug),
                    specify drive you use (1541/4040/8050).
24 "list all"      p -jb lister just goes with my prg for a fancy job.
5 "ted prg.draw"   p -use as a demo for list/conv to learn how it works.
9 "c64e.prog"      p -i didn't write it (c64-expander) demo for list/conv
1 "<--- a --->"    p
2 "ramtestb.v1"    p -jim b. ramtest. modify the loader to make it
1 "+ramtestb.v1"   p run any place in the b. Rotates through all bits.
15 "ramtestb.v1.pal" p -source file. list.
1 "<--- c --->"    p
1 "+ciout.f0800"   p
2 "seqfilesplitter" p -files too long? use this to split. read rem.s.
5 "notemaker.v5"   p -tiny, 17-line wordprocessor, helps write tiny
12 "notemaker.ins" p messages for execute files, telecommunications, etc.
2 "q j at stripper" p -bit of file cleanup. read rem lines.
1 "bterm.ldr"      p -read .ins file. new loader fixes bterm so you can
5 "bterm rescue.ins" p -rescue the buffer contents.
3 "4023 define"    p -how to print >1 user characters/line
6 "4023hr dump.ldr" p -dumps c64-type high resolution pix via b to 4023.
1 "+b128/4023.10220" p + file is loaded by above. read rem lines in ldr.
32 "px?.sample pict" p 11 high-res picture files from c64,c128,b128
                    to use in the dump program.
6 "...
"area computer"   p -feed it lots of points and it will tell the area
                    of the enclosed figure. just run.
11 "pf.ss3.4023"   s -two files for superscript-3. they replace the
11 "pf.ss3.daisy" s original 4023 and 6400 files which did not work.
                    (daisy file works better on 6400 than diablo file.)
1 " a"             p -placeholders, nothing there
1 " b"             p
1 "<--- --->"      p
1 "<- the - end ->" p
1 "<--- --->"      p
1237 blocks free

```

**DFILE** **CBUG #47** **\$16.00** **#11856**

Yet another feather for CBUG, -- only possible thru the dilligent efforts of Warren Kernaghan. Dfile is a significant data base program which operates in memory rather than continuing disk access such as in Superbase. The result is a nearly instantaneous response time at the trade off of database size being limited to memory size. Warren has converted the program and instructions from the C128/64 versions for easy and direct use by CBUG members. Best yet, Mike Konshak, the author of the program has licensed CBUG to distribute this fine product at a fraction the price charged in the commercial world of Commodore! See Warren Kernaghan's article in this issue about Dfile for the rest of the story.

```

1 "dfile128(c)1985 " mk 2c
163 "dfile dbms"      prg
118 "dfile128-1.doc" seq
64 "dfile128-2.doc" seq
129 "dfile128-3.doc" seq
16 "dfile info-ad"   seq
1562 blocks free.

```

**DIAGNOSTICS** **CBUG #48** **\$9.00** **#11860**

CBUG never sleeps! Legions are always planning, creating, programming, negotiating, etc. This cooperative effort really paid off! A few of our members have had difficulty getting their systems repaired -- generally speaking there are almost no commonly advertised service facilities who have ever heard of a B128 or an 8050, or for that matter the IEEE-488 (which is one of the most important international standards for computer and instrument interfacing). What this all says is that we as a group needed to assure access to schematics, service information, and the factory diagnostics programs. Then when we are in trouble we have a chance of finding out what it is before making the mistake of going to an unqualified service shop. But even the competent shops rarely have this information, and Commodore charges several lungs and a ring finger (with ring in place of course) to their service shops for the schematics and even more for the diagnostic programs!

Thanks to Commodore's continuing assistance, CBUG has been licensed to publish the programs via the library, BUT ONLY FOR CBUG MEMBERS. You must not do any more than loan the copy to your local service station and they are prohibited from copying it. We can not provide this disk to any party, including service stations, which are not a current CBUG member.

Once again, Tony Goceliak came to the rescue. All of the diagnostic programs save the one for the B128/256 were written to run on the 8032 computer and would not run in any way on a B128. Most service shops let alone our members do not have 8032's laying about! Tony has taken all of these programs and reworked them to run on the B128! Please note his caveat, however, that he was unable to test all of them for want of having certain pieces of equipment not commonly associated with B128 systems.

**CAUTION.** These program have both US and European origins. In that there are some subtle differences in products built for those two separate markets, there are often some reports of problems by the diagnostic programs which problems simply do not exist; the diagnostics are detecting the differences between models. Additionally, please remember that these programs are primarily designed as final quality control or adjustment aids. In and of themselves they can not fix anything, and any "advise" they dispense must always be evaluated by a qualified person! Beyond the need to adjust the disk drive, the best advise is "if it ain't broke, don't fix it!"

**LEGAL NOTICE:** Any party purchasing the Diagnostics disk is hereby noticed that the terms of sale of the Diagnostics disk include the purchasers agreement as follows. The Purchaser: agrees to accept sole responsibility for use and performance of the Diagnostics disk; agrees to make no contact with Commodore Business Machines of any kind regarding this product (rather communicating solely within the CBUG organization); guarantees that no copies will be made by or given to any other person; will save and hold harmless CBUG, Inc. et al and CBM in the event of any claims or assertions made based upon or derived from the purchase and/or use of the Diagnostics disk. The purchasing member acknowledges that there is no warrantee of any kind including consequential considerations related to the Diagnostic disk or use thereof; and acknowledges that at best, the Diagnostics disk is merely another tool available to those appropriately skilled in such usage. CBUG, Inc. is an independent organization and is not related to Commodore Business Machines, Inc. (CBM) in any way.

Sorry about the boiler plate, but thus is life. We think this is one of the handiest things to have since a fork and

spoon. Like a first aid kit, you hope you never need it, but someday it will come in handy. These are far more extensive tests than simple programs such as Physical Exam. Some of the program names will give you an idea what they do.

Again, thank you Tony Goceliak for all the effort you've donated to CBUG members!

1 "b/i3e diagnostic" aj 2c	32 "2031 sys test" prg	4 "change device 2" prg	1 "--b 128/256 but-" seq
1 "----computer----" seq	35 "analog test" prg	1 "drive 0 format" prg	1 "----only those----" seq
1 "b-128/256 test" prg	36 "2040/4040 test" prg	1 "drive 1 format" prg	1 "--dealing with--" seq
20 "load 1" prg	38 "drive perf test" prg	3 "drive identifier" prg	1 "--mpi dos 2.7 --" seq
1 "load 2" prg	19 "pll test" prg	1 "--print tests--" seq	1 "----have been----" seq
1 "----monitor ----" seq	1 "----alignment ----" seq	27 "printer demo" prg	1 "tested by being" seq
1 "screen 80" prg	1 "----of drive----" seq	9 "printer test" prg	1 "--actually run--" seq
1 "----disk drive----" seq	1 "----unit tests----" seq	1 "----extra test----" seq	1 "--caveat emptor--" seq
1 "----basic xfers--" seq	64 "mpi test" prg	39 "new rom analog" prg	1 "-----" seq
49 "prod soft. 2.5" prg	60 "sfd-1001 test" prg	1 "----demo of ----" seq	1 "--happy testing--" seq
30 "prod soft dos2.7" prg	63 "microp test" prg	1 "--fast m/l xfer--" seq	1 "+++++" seq
6 "caution" prg	60 "tandon test" prg	30 "prod soft 2.7+" prg	1 "++++freebie +++" seq
18 "8050 memory test" prg	55 "shugart test" prg	1 "disk m/l xfer+" prg	1 "+++++" seq
17 "4040 memory test" prg	1 "--max run time--" seq	1 "---- notice ----" seq	7 "disk concatenate" prg
13 "2031 memory test" prg	72 "10 pass softerr" prg	1 "----the above----" seq	2 "screen gong test" prg
37 "digital 2.7 test" prg	72 "100 pass softerr" prg	1 "--programs have--" seq	5 "uk test loader" prg
31 "2031 board test" prg	81 "disk final test" prg	1 "--been patched--" seq	13 "uk diagnostic" prg
36 "system test dual" prg	1 "----disk utils----" seq	1 "by a j goceliak" seq	894 blocks free.
32 "sys test" prg	5 "change device #" prg	1 "--to run on the--" seq	

MEDICAL FINANCE #2

CBUG #49

SUPERBASE APPLICATIONS

\$9.00

#11875

With a bit of juggling, we managed to get both of these contributions onto one disk. The dental (DENT) program is a straight forward billing/statement system useful for most any kind of practice --- not just medical. It keeps track of each customer (patient) as to amounts charged and paid. There are programs for pulling out past due accounts on screen or on paper under whatever sort criteria you may need. Producing mailing labels for birthday cards and reminders, etc. Easy to understand programs so you can adapt this database easily to most anything. Our thanks to Jim Williamson of National Artificial Intelligence Labs for the contribution. This is a freeware program.

The first database is quite interesting and no doubt of great value to our medical members. Following are a few lines from the program description and instructions on the disk:

Originally, I never had a fee schedule. I just accepted whatever the patient's insurance would pay. This worked fine for about ten years; then began the furor about 'rising health care costs'. The insurers began to turn the screws in one direction and office expenses - specifically medical liability insurance rates - began to turn them in the other direction. When I had to borrow \$50,000 to stay in business it became obvious to me that I was going to have to raise my fees, but how? I didn't have any! What would a fair fee (fair to my patients as well as fair to me) be? Superbase to the rescue: I entered all of the fees that the major insurers paid for the procedures I do most commonly, and then (since the major insurers all pay highly discounted rates) entered calculated fees (RVS) obtained by multiplying a "relative value" for each procedure by a dollar amount. I employed three different relative value scales in an effort to be sure that I wasn't too far out of line.

The program takes into account: the "CPT-4 code" ( actually the CPT86 code); "RVS.NY" is the unique 5-digit code assigned to the procedure by the 1975 Relative Value Scale published by the Medical Society of the State of New York; "NYDAC" (days of aftercare listed in NYRVS); "RVS.MH" and the other "MH" items refer to "Relative Values for Physicians"; "WMC" refers to Workman's Compensation; "MA" refers to Medicaid - Title 19 - welfare rates (not yet entered into database); "MC" refers to Medicare; "MC-75" refers to Medicare's 75th percentile; FSY86 COBRA NEW YORK PROFILE MAINTAINANCE SYSTEM LEVEL 2 PROFILE FULLFILE VISIBILITY (whatever that means); "BC" refers to Blue Cross; "BS" refers to Blue Shield; "CARVS" refers to the California Relative Value Studies

There are probably many other ways in which these data can be displayed and used. However my only purpose in compiling all of this was to make sure that my fees are both fair and reasonable, and I am now sure that they are both.

Incidentally, there is a bug in v2 of SB that was not present in v1; I haven't complained to Precision about it, but I'll warn you: don't hit the "CE" key if you want to clear an entry--it will wipe out half your data-entry screen. If you do it anyway, you don't have to start all over, just reselect the file you want to work in and the format will return to the screen. I don't think that this bug loses any data; just an annoyance which makes the "CE" key useless.

JAMES KILMARTIN CONDON, MD  
General Thoracic Surgery

Note, Dr. Condon practices in N.E. New York and as such the values coded into the databae relate to the prevailing rates and practices in that area. Users need only enter their local rates and go to it. Some of the data tables Dr. Condon used are outdated due to his resignation from some of the services providing the data.

There is yet another reason to obtain CBUG #49. The start.p program is implemented for the 6400 daisy writer printer (it can be easily set back to CBM 4023/8023 by just REMing out a few obvious lines). Better yet, Dr. Condon has rigged this program so that it AUTOMATICALLY boots you into a special opening menu so you can select what you want to do in common english. CBUG has modified this menu to add direct access to the DENT database. And you get a collection of super operating programs to handle the database, examples of on screen (in record) math, etc. Dr. Condon originally provided the database in Superbase 2 form, but via simple export and reimport, CBUG has returned it to Superbase 1 form where it can be used in either SB1 or SB2.

No question any student of Superbase will find these programs interesting and educational. You may also find the complexities of medical billing and rate manipulation a real eye-opener.

1 "cbug med acctng " cm 2c	3 "compschedule.p" seq	5 "--read firster!--" seq	7 "recalls-label.p" seq
1 "sb2 loader" prg	8 "changeconv.p" seq	1 "-----" seq	4 "programs.p" seq
1 "start.p" seq	5 "surg.fees" seq	7 "-----jw-----" seq	7 "recalls-phone.p" seq

6	"changeall.p"	seq	5	"med.fees"	seq	10	"currie"	seq	3	"--THIS DISK IS--"	seq
3	"oldschedule.p"	seq	30	"read me first"	seq	2	"addresses"	seq	3	"--COPYRIGHTED!--"	seq
5	"allschedule.p"	seq	1	"hlist"	seq	5	"billings.p"	seq	1	"DENT"	seq
4	"jkcschedule6.p"	seq	1	"FEE SCHEDULE"	seq	10	"pbillings.p"	seq	1	"-end cbug disk-"	seq
4	"jkcschedule8.p"	seq	2	"--about above--"	seq	9	"birthdays.p"	seq	1424	blocks free.	

**EDUCATIONAL RECORDS**

**CBUG #50**

**UPGRADED TO CBUG #77**

**SUPERBASE APPLICATIONS**

<<<The following text is provided for reference only. Refer to CBUG #77 for actual release. There are many major improvements, capacity additions, and flexibilities added!>>>

With a bit more juggling, we assembled two databases contributed by Jon Whatley all onto one disk. The QUIZ database is for storing and compiling student test scores, and the STUDENT records are described by the various file names listed. Again, I'll borrow from the author's read me files:

"quiz data" allows the user to enter complete data of objective test contents, i.e. multiple choice and true-false. The program allows the user to sort the individual quiz contents in 6 different possible sequences thereby allowing different formats of the same quiz when desired; it then renumbers them and prints them out with a sort code printed in the upper right hand corner for easy identification. After completion of the newly printed test format, on prompt, it prints out an answer key. This program is especially useful where a Scan-Tron test response system is used. In accordance with the limitations of SuperBase, each database will hold a final exam and 14 related quiz formats. "quiz data" is programmed for up to 50 questions but the user can change this number upwards by changing the value of i in the program.

"student records" allows the user to maintain a complete grade record for each student. It includes 3 separate grade periods each with space for 6 daily grades, 6 quiz grades, 6 special or project grades and a period exam grade in each grade period. The period exam in the third grade period is used for recording the final examination for the course. Through the calc function the exams may be given additional weight and the final may receive a special weight calc for the entire course average. Programs include a progress report, daily record, easy grade posting of calculated grades, and better yet, data posting of uncalculated grades (allows one-time entry of no. possible and entry of no. wrong for each student for automatic calculation and posting). You get a complete printout of the posted grades which includes the item posted, cumulative grade averages in each period, and the running grade average for the semester plus a ranked class listing if desired. Additional programs include an absentee list summary, student list, ranked class listing by grade, automatic determination of letter grade and posting if desired, and a program to automatically clear entire class files at the end of the year.

The system is based on the Texas Education Agency rules (three grade periods of six weeks each per semester) and the letter grade poster (optional use) posts A,B,C,F (70 to 100 passing). A knowledgeable programmer can make any changes desired to suit his needs in the use of this system. The system is very practical and useful and can probably be much improved upon by some of you experts out there.

More for your collection of interesting Superbase application programs both for study and adaptation. With all the hard work completed and debugged, this type of application is a snap to adapt to other uses, different semester organizations, etc.

**JCL WORKSHOP**

**CBUG #51**

**\$29.00**

**#11894**

\* For the B-128

This is a COPYRIGHTED commercial program!

Some of you may remember mentions of this fantastic set of programs nearly two years ago. Back then it was selling for about \$400.00 and required a ROM (read only memory) cartridge to operate (much like Calc and Word Result). There were a few ads for the JCL suite, but not enough sales to make it fly. Well, as you have read in Mark Schwarzbauer's article in this issue, JCL too has taken up the cooperative spirit of CBUG. John Leman spent nearly a week remodeling the program so that the ROM cartridge was no longer required and so that the entire suite including instructions fits on one disk! Since the program requires additional capacity in bank 15 (where the cartridge port lives), the CBUG version operates with Gary Anderson's (or other) RAM (read and write memory) cartridges. When you boot the program, it automatically uploads the necessary code into the cartridge.

I'll not belabor the value of the JCL workshop since it is well covered by Mr. O'Henly's article in the Summer 86 part 2 issue as well as some commentary in this issue. Try it, you'll love it.

\* This version is for computers equipped with B-128 ROMS. It will not operate under B-256 ROMS. Additional memory does not have any bearing on compatability.

There is one minor issue to remember though, programs written using the extended basic can only be run with the RAM cartridge in place and loaded with the required portion of the JCL software. Hence, any materials you write with this program that are submitted to the library must be CLEARLY marked so we can keep them apart from the unenhanced basic programs.

Machine language programming completed with the JCL Assembler does NOT place any restrictions on how the software is subsequently used on a B-128.

The instructions on disk are accessible via the mini-word processor Mr. Leman has added to the disk. For those of you more comfortable in Superscript, Warren Kernaghan is currently transferring the instruction files to Superscript. A second disk will be included with your purchase of the JCL Workshop containing the instruction files in Superscript form, as they won't fit on the chock full JCL Workshop disk.

1	"(c)jcl 700system" r1 2c	1	"getchr.mod"	prg	13	"printat.....+wp"	prg	21	"dos support..+wp"	prg	
9	"boot"	prg	2	"getchr.bas"	prg	9	"romoff.....+wp"	prg	30	"title page...+wp"	prg
97	"m/code"	prg	9	"pgetchr"	seq	24	"scrip intro.+wp"	prg	7	"prog.....+wp"	prg
31	"asm700"	prg	1	"pgetchr.mod"	prg	16	"scrnp+relfile+wp"	prg	50	"ebr mark3....+wp"	prg

8	"testsrc"	seq	3	"pgetchr.bas"	prg	11	"clrflld.....+wp"	prg	12	"overlay.....+wp"	prg
2	"testsrc2"	seq	14	"brag"	seq	21	"ebr.....+wp"	prg	32	"conditional..+wp"	prg
1	"testsrc.sym"	seq	3	"math strings"	prg	49	"asm1.....+wp"	prg	36	"ebr toolkit..+wp"	prg
8	"boot hs700"	prg	7	"tinycalc"	prg	14	"ascii/cbm....+wp"	prg	27	"type.....+wp"	prg
1	"testsrc.mod"	prg	8	"card1"	prg	14	"transfer.....+wp"	prg	13	"u/case etc...+wp"	prg
6	"sort demo v2.2+"	prg	1	"fix8250"	prg	12	"flip.....+wp"	prg	11	"screen editor+wp"	prg
4	"calculator"	prg	1	".sym"	seq	13	"flash.....+wp"	prg	19	"sort.....+wp"	prg
4	"evaluate"	prg	26	"wpro"	prg	13	"frame.....+wp"	prg	15	"scroll.....+wp"	prg
2	"glide"	prg	25	"m2"	prg	13	"debracket....+wp"	prg	15	"appendix 1...+wp"	prg
5	"frame"	prg	2	"m3"	prg	16	"define.....+wp"	prg	8	"texthelp t"	prg
6	"window"	prg	9	"kernaljt"	seq	19	"check field..+wp"	prg	8	"texthelp p"	prg
29	"tiny office2"	prg	4	"util"	seq	15	"read screen..+wp"	prg	8	"texthelp r"	prg
8	"instruct 1"	prg	1	"util.mod"	prg	13	"window.....+wp"	prg	8	"texthelp l"	prg
8	"instruct 2"	prg	40	"wpro instrns.+wp"	prg	17	"evaluate....+wp"	prg	8	"texthelp s"	prg
8	"instruct 3"	prg	28	"personal view+wp"	prg	10	"last.....+wp"	prg	8	"texthelp i"	prg
8	"instruct 4"	prg	4	"names.....+ca"	prg	19	"bank sys.....+wp"	prg	8	"texthelp w"	prg
4	"demo file....+ca"	prg	14	"upper/lower..+wp"	prg	35	"asm2.....+wp"	prg	8	"texthelp c"	prg
22	"lister"	prg	20	"bell/delay...+wp"	prg	31	"asm3.....+wp"	prg	8	"texthelp d"	prg
12	"typewriter"	prg	13	"getkey.....+wp"	prg	29	"ebr m/code...+wp"	prg	8	"texthelp a"	prg
4	"match#1 1 5 etc"	prg	17	"save/getscrn.+wp"	prg	48	"ebr example..+wp"	prg	8	"texthelp h"	prg
4	"match#1"	prg	19	"exscrn/sketch+wp"	prg	14	"fixmem.....+wp"	prg	8	"texthelp e"	prg
1	"crazy"	prg	17	"respond.....+wp"	prg	32	"ebr soft extn+wp"	prg	8	"texthelp u"	prg
5	"example"	seq	19	"stopoff/on...+wp"	prg	15	"send.....+wp"	prg	8	"texthelp z"	prg
1	"example.mod"	prg	19	"plist/dumplin+wp"	prg	14	"receive.....+wp"	prg	8	"texthelp q"	prg
1	"example basic"	prg	19	"disk.....+wp"	prg	20	"match.....+wp"	prg	8	"texthelp m"	prg
7	"table"	seq	19	"scrip.....+wp"	prg	11	"output.....+wp"	prg	351	blocks free.	
3	"getchr"	seq	15	"inpflld.....+wp"	prg	16	"install.....+wp"	prg			

SUMMER 86 PART 2 PRINT FILES

CBUG #52

\$9.00

#11906

For those who want the CBUG ESCAPE on disk, here is the print files master for the Summer 1986 Part 2 issue.

1	"summer 86 part 2" s2 2c	2	"11822"	seq	11	"brugbacher.modem"	seq	31	"kernaghan.xer-di"	seq	
49	"scratch pad"	seq	7	"print4"	seq	9	"mark.epson"	seq	13	"kernaghan.rs232"	seq
27	"library lead"	seq	4	"want ads"	seq	11	"kernaghan.dos2.5"	seq	5	"cumfer.errata"	seq
15	"print utilities"	seq	9	"display ads"	seq	22	"kernaghan.index"	seq	19	"superspell.tm"	seq
10	"caseys scrubber"	seq	12	"beeline 2.0 coup"	seq	21	"anderson.exp"	seq	19	"mills"	seq
1	"MT"	seq	17	"cabs dir"	seq	22	"basic4.0 conts"	seq	27	"0986 yell for he"	seq
50	"pre5"	seq	30	"upgrades"	seq	25	"cumfer.grap.up"	seq	4	"anderson layout"	seq
7	"pre6"	seq	9	"harrison.a"	seq	43	"cumfer.teleterm2"	seq	18	"library to date"	seq
8	"700 sampler"	seq	63	"announcements"	seq	13	"goceliak.p8050ip"	seq	13	"table of content"	seq
18	"pd math a"	seq	15	"mark europe"	seq	24	"goceliak.swap"	seq	24	"order form 1 098"	seq
16	"pd eng a"	seq	53	"swan"	seq	47	"goceliak.8050cmd"	seq	27	"order form 2 098"	seq
16	"pd ghbt"	seq	55	"hints & tips"	seq	19	"goceliak.to8250"	seq	6	"front cover"	seq
11	"pd sci a"	seq	37	"ohenly"	seq	31	"deb.delphi"	seq	4	"tgif"	seq
11	"pd sci b"	seq	16	"brugbacher.scree"	seq	44	"loeffler.nwmi"	seq	932	blocks free.	

FALL 1986 PRINT FILES

CBUG #53

\$9.00

#11911

For those who want the CBUG ESCAPE on disk, here is the print files master for the Fall 1986 issue.

1	"summer 86 part 2" s2 2c	2	"11822"	seq	11	"brugbacher.modem"	seq	31	"kernaghan.xer-di"	seq	
49	"scratch pad"	seq	7	"print4"	seq	9	"mark.epson"	seq	13	"kernaghan.rs232"	seq
27	"library lead"	seq	4	"want ads"	seq	11	"kernaghan.dos2.5"	seq	5	"cumfer.errata"	seq
15	"print utilities"	seq	9	"display ads"	seq	22	"kernaghan.index"	seq	19	"superspell.tm"	seq
10	"caseys scrubber"	seq	12	"beeline 2.0 coup"	seq	21	"anderson.exp"	seq	19	"mills"	seq
1	"MT"	seq	17	"cabs dir"	seq	22	"basic4.0 conts"	seq	27	"0986 yell for he"	seq
50	"pre5"	seq	30	"upgrades"	seq	25	"cumfer.grap.up"	seq	4	"anderson layout"	seq
7	"pre6"	seq	9	"harrison.a"	seq	43	"cumfer.teleterm2"	seq	18	"library to date"	seq
8	"700 sampler"	seq	63	"announcements"	seq	13	"goceliak.p8050ip"	seq	13	"table of content"	seq
18	"pd math a"	seq	15	"mark europe"	seq	24	"goceliak.swap"	seq	24	"order form 1 098"	seq
16	"pd eng a"	seq	53	"swan"	seq	47	"goceliak.8050cmd"	seq	27	"order form 2 098"	seq
16	"pd ghbt"	seq	55	"hints & tips"	seq	19	"goceliak.to8250"	seq	6	"front cover"	seq
11	"pd sci a"	seq	37	"ohenly"	seq	31	"deb.delphi"	seq	4	"tgif"	seq
11	"pd sci b"	seq	16	"brugbacher.scree"	seq	44	"loeffler.nwmi"	seq	932	blocks free.	

This is the latest version of Harrison's Assembler 5.5, upgraded to v8.

5	"b128load"	prg	2	"reload.rel"	seq	3	"example.src"	seq	12	"birqdoc.src"	prg
33	"assembler5.5"	prg	2	"kernal.lib"	prg	6	"backup"	prg	2	"printdoc.m1"	prg
7	"assembler5.5.rel"	seq	10	"config.src"	prg	5	"birq"	prg	2	"printdoc.src"	seq
5	"reload"	prg	134	"asmdoc.src"	seq	2	"birq.rel"	seq	1822	blocks free	

GOCELIAC STRIKES AGAIN

Tony did it again! The long awaited code to allow use of the cassette port on the B128. ALSO, the previously missing code for operating the drives with drive numbers interchanged. I.E., Drive 0 would be on the left, and Drive 1 on the right. Handy way to equalize wear, and switch drives if one is down, particularly drive 0 since so many programs require drive 0!

For discussion about these programs, read the several articles by Mr. Goceliak in this issue.

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1	"random file 3/87"	36 2c	9	"cbug contests"	seq	0	"---screen dir---	del	8	"compare dir's"	prg
67	"b-128 tape code"	prg<	17	"secret b128 key!"	seq	1	"2 col dir"	prg	0	"-----"	del
9	"tape instruction"	seq<	5	"truly secret key"	seq	2	"m/l warning"	seq	1	"--updated auto--"	seq
0	"-----"	del	15	"monitor & stack"	seq	0	"-----"	del	8	"---auto inst.---	seq
4	"zero data snow"	prg	0	"-----"	del	1	"supplemental art"	seq	34	"auto v1.2"	prg
4	"incrementng snow"	prg	0	"basic works too!"	del	0	"-----"	del	6	"wedge autorecord"	prg
4	"page # snow"	prg	0	"memory diagnost."	del	27	"f key info"	seq	0	"-----"	del
8	"compare memory"	prg	2	"basic page# snow"	prg	4	"function keys2"	prg	0	"-----"	del
0	"-----"	del	0	"-----"	del	0	"-----"	del	0	"-----"	del
0	"-cbug articles--"	del	0	"-alternate way--"	del	4	"--archive inst--"	seq	1	"whoopie"	prg
48	"column by tony"	seq	3	"tape loader pgm"	prg<	10	"archive files"	prg	5	"drive denominator"	pgm
9	"tape ins."	seq	11	"tape code"	prg<	0	"-----"	del	1725	blocks free.	

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By: Rev. Doug Gorsuch

This series was appended to this disk just for a place to put it as the general topic disk is full! An additional copy of this same material will be appended CBUB #M55 being released this issue.

Please read the article in the main body of this issue for the details on the contribution.

1	"SS2 CALENDAR"	seq	17	"30/mon"	seq	17	"31/wed"	seq	17	"31/fri"	seq
11	"Instructions"	seq	17	"29/mon"	seq	17	"30/wed"	seq	17	"30/fri"	seq
17	"31/sun"	seq	17	"28/mon"	seq	17	"29/wed"	seq	17	"29/fri"	seq
17	"30/sun"	seq	17	"31/tue"	seq	17	"28/wed"	seq	17	"28/fri"	seq
17	"29/sun"	seq	17	"30/tue"	seq	17	"31/thu"	seq	17	"31/sat"	seq
17	"28/sun"	seq	17	"29/tue"	seq	17	"30/thu"	seq	17	"30/sat"	seq
17	"31/mon"	seq	17	"28/tue"	seq	17	"29/thu"	seq	17	"29/sat"	seq
						17	"28/thu"	seq	17	"28/sat"	seq

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DITTINGER's UTILITIES

Here we have a number of self explanatory programs which Mr. Dittinger assures us are of the latest and most useful vintages -- at his doing, of course. In addition to the very nominal royalty, if you find there are more than 3 programs of use to you, he has suggested a \$1.00 per program not to exceed \$7 additional dollars by way of freeware remittance to him.

1	"Nick's Programs "	01 2c	8	"tax inst"	prg	24	"baseball stat"	prg	21	"checkbook 1.1"	prg
2	"-----"	prg	42	"budget master"	prg	19	"credit card file"	prg	1	"print directory"	prg
9	" menu "	prg	5	"carpet est"	prg	42	"blackjack"	prg	19	"net worth 1.1"	prg
2	" directory "	seq	4	"compound int"	prg	14	"fifteen puzzle"	prg	3	"fkeys"	prg
8	" boot .scn"	prg	18	"coupon organizer"	prg	24	"states quiz"	prg	5	"labelmaker"	prg
8	" intro .scn"	prg	12	"home inventory"	prg	11	"math worksheet"	prg	1637	blocks free.	
18	"tax records"	prg	46	"shopper's list"	prg	15	"interstate"	prg			
8	"tax util"	prg	12	"util. bill audit"	prg	15	"kat and mouse"	prg			

The usual disk file of this issue.

1 "w/s 87 master " w7 2c 19 "de la torre" seq 19 "SupCrnNov/Dec86"-- seq - 7 "ricks" seq
1 "12pt 58col std " seq 32 "anderson" seq 15 "mark.ss" seq 113 "hart" seq
1 "12pt 58col >2" seq 32 "berez.bank" seq 5 "mark.bible" seq 10 "IEEE connector a" seq
64 "scratch" seq 25 "golds.re" seq 21 "table of content" seq 6 "cbug local meet" seq
17 "mark/cologne" seq 16 "golds.num" seq 11 "gorsuch" seq 2 "lib art format" seq
129 "matos" seq 29 "ritter.jcl" seq 40 "wright" seq 2 "f+" seq
107 "swan basic" seq 17 "newburger" seq 1 "hints & tips" seq 83 "54" seq
35 "swan 4023" seq 52 "cumfer" seq 8 "harrison" seq 13 "55" seq
36 "ritter.roms" seq 15 "kennedy intro" seq 101 "goceliak" seq 5 "56" seq
42 "berez.hex" seq 84 "SupCrnrMay/Jun86" seq 20 "gardner" seq 15 "57" seq
30 "loeffler" seq 1 "12pt 56 col icpu" seq 35 "enochs" seq 7 "58" seq
26 "faierson.so" seq 85 "SupCrnJul/Aug86" seq 8 "rotello" seq 2 "59" seq
57 "faierson.cpm" seq 55 "SupCrnSep/Oct86" seq 9 "contest" seq

LIZ'S SUMMER 87

CBUG #60

\$16.00

#11659

This is an upgrade of Liz's #2 utilities. There are several new entries on this disk as well. Note, however, the 8432 emulator is not the latest version found on CBUG #66 in this issue. For members who already purchased earlier versions of Liz's utility disk(s), you may attach the label from your existing disk and write in stock #11663 for the half price upgrade disk.

B128-kit August-87 Liz Deal. All programs on this disk also run in a b256 I have, But I haven't tested the pet.emulator section.

1 "<----(c)---->" seq	5 "+cross.b128" prg
?? "disk contents" prg load,list	2 "ramtestb.v1" prg tests memory in b - list & modify to
6 "important mesg" prg run & read	1 "+ramtestb.v1" prg test any ram
1 "<---- b ---->" prg	15 "ramtestb.v1.pal" prg
9 >> "tsk" >> prg run to configure the machine and to load	1 "<---- c ---->" prg
2 "+btxfer.fe48" prg transfer sequences, supermon, (t) (s)	6 "pre-superscript" prg keybounce killer for ss-ii
1 "<---- 1 ---->" prg keytrix (k)	15 "b128 irq rate" prg logic behind it
16 "+smb v8.0400" prg supermon obj. files. \$400 version loads	2 "seqfilesplitter" prg files too long? edit & run this
16 "+smb v8.e000" prg unless you modify tsk loader	2 "q j at stripper" prg files too messy? strip the garbage
16 "+smb v8.0400+" prg	4 "scrn input b128" prg permits screen input without errors
16 "+smb v8.0400++" prg	5 "notemaker.v5" prg makes seq files from what's on screen
16 "+smb v8.e000++" prg	12 "notemaker.ins" prg load/list for instructions
16 "+smb v8.e000++" prg	7 "spool b128" prg spooling disk to printer
17 "supermonb v8.ins" prg load/run to list/print	10 "w.b128 spool" seq explained
1 "<---- 2 ---->" prg	9 "alarm thought" prg just playing with the tod clock
17 "+b1 kxb128.x2" prg keytrix (basic utilities) obj. files	7 "3tod clock.pal" prg
4 "+b15kxb128.x2" prg	1 "<---- d ---->" prg
2 "+b15kxb128.5c0" prg -special short version (see important message)	6 "xcall" prg how to call non-kernel routines from non-system bank
4 "+b15kxb128.800" prg	1 "+xcall.fe00" prg
4 "+b15kxb128.x2+" prg	80 "w.b128 xcalls" seq lotsa explaining here (ss-ii file)
4 "+b15kxb128.x2++" prg	29 "windows.pal" prg pal source for windowing routine
17 "+b1 kxb256.x2" prg	2 "datamaker" prg makes data statements from mc bytes
4 "+b15kxb256.x2" prg	4 "verifizerb128" prg see transactor
2 "+b15kxb256.5c0" prg	27 "w.exp15" seq how to expand bank 15 in the cartridge
4 "+b15kxb256.x2+" prg	1 "<---- f ---->" prg
4 "+b15kxb256.x2++" prg	23 "grungy towers" prg bunch of jim butterfield's programs
60 "keytrix x2.ins" prg load/run to list/print lots of instruct.	15 "diary" prg
1 "<---- 8 ---->" prg	2 "events" seq
21 "dcl b128.pal" prg b128 declares for pal	12 "twin bagels" prg
8 "dcl b128.sym" seq b symbol table	3 "waitline" prg
2 "mykeys s8kx2" prg if you clobber my f-keys, run this via kytrix	1 "<---- j ---->" prg
2 "+4keywords" prg load to \$1f000 to list +4 prg	6 "areacomputer" prg computes area within set of points
1 "<---- k ---->" prg	2 "egcff" prg finds gratest common factor
4 "change dev#" prg various disk utilities converted from jim butterfield's pet versions	5 "tab" prg tab values into categories
26 copy all-b v7" pgm	4 "sm sort" prg shell-metzner pointer sort
3 "+copyb.21c00" prg	8 "words match" prg template for teachers
8 "disk view.b128" prg	
11 "disk logger.b128" prg	

1	"disklog.400"	prg	11	"squares"	prg game
7	"disk mod.b128"	prg	16	"rotate"	prg game
15	"disk check"	prg	3	"primes"	prg transactor's prime number finder
5	"stringthing b128"	prg	1	"<--8432 utl-->"	prg pet 4.0 emulator program - see
4	"big rel file"	prg how to set up small/big relative file	3	"Start8432.21"	prg instruction file
17	"reader/writer.3"	prg decodes cabs files to screen/printer/dsk-	2	"t1"	prg
1	"<---- i ---->"	prg	2	"td.alt"	prg
7	"execute.v1"	prg executes commands from seq file -	2	"t2"	prg
1	"e.demo"	seq load & run to see how it works	2	"td"	prg
2	"+xec b128.f0400"	prg	2	"8432.21"	prg
2	"+xec b128.f5a00"	prg	4	"bank F.20 '1024"	prg
2	"+xec b128.f7a00"	prg	5	"instructions8432"	prg
2	"+xec b256.f0400"	prg	9	"supermon4.rel"	prg supermon for emulator. load & run
2	"+xec b256.f5a00"	prg	5	"aid4.6b00"	prg basic aid. load & sys the given
2	"+xec b256.f7a00"	prg	5	"aid4.7b00"	prg address
34	"xec.pal"	prg pal source	6	"cross"	prg crossreferences basic in emulator
3	"e.xall"	seq example of prg modification in exec	1	"<---- e ---->"	prg
1	"<---- t ---->"	prg	24	"b128<->am2.b+pal"	prg b-amiga file transfer program.
18	"list/conv v4c"	prg lists & converts basic programs	2	"+b128<>am.2"	prg Use null modem (cross lines 2/3)
10	"+pet2.klst v4"	prg	1	"<---- h ---->"	prg
10	"+pet4.klst v4"	prg	7	"4023 scr dump"	prg normal resolution slow but
10	"+c64 .klst v4"	prg	8	"p.dump ins"	prg exact basic screen dump
10	"+p14 .klst v4"	prg	5	"p.cats"	prg
10	"+c16 .klst v4"	prg	1	"<---- m ---->"	prg
10	"+b128.klst v4"	prg b needs cartridge memory to run	17	"4023 hr dumps"	prg high-resolution dumps to 2 printers
10	"+b256.klst v4"	prg b needs cartridge memory to run	18	"6400 hr dumps"	prg -load c64/c128/+4 screens into b at
10	"+c128.klst v4"	prg	1	"+b128/4023.10220"	prg \$1a000, bload the +files and run
24	"list all"	prg jim b's lister	1	"+b128/6400.10220"	prg 5000. explanations of parameters
5	"c128 draw"	prg couple example programs to play with	32	"px0.pixpic3"	prg after line 5000.
9	"c64e.prog"	prg	1	"<--the end-->"	prg
5	"ted prg.draw"	prg	35	"cbug 8/87"	seq article summer 87 issue
1	"<---- a ---->"	prg	6	"imp mess seq"	seq seq file same as above =title
4	"cross.b128-1.1"	prg jim b - crossref maker for basic prgs	31	"disk conts seq."	seq seq file same as above =title
				697 blocks free	

!!!!!!SUPER TEACHER!!!!!!

CBUG #61

UPGRADED TO CBUG #77

<<<The following text for reference only. See CBUG #77 for actual programs>>>

From Jon Whatley

A Superbase Application (SB I, will self adapt to SB II)

This is the successor to CBUG #60. If you plan to use this suite, take heed. If you teach more than a few courses, such as in a small school, you may need to split the databases off of one disk onto several -- or make several copies of this disk and divide up your work load. You'll need the extra disk space. If, however, you are in a more customary environment, there should be little risk of running out of memory on one disk even if using all the features.

You may upgrade your existing #50 Educational Records disk at half price by returning the label off of your #50 disk and writing in stock #11644 on the order form

Jon writes:

"I'm submitting a drastically updated version of CBUG #50 Educational Records disk. This release is a result of extensive use of the hi-tech programming covered in SUPERBASE THE BOOK plus realized additional needs of good classroom management for a really super teacher. Thus, I have named this new version !!!!!SUPER TEACHER!!!!!!

Additional features to those previously listed in Educational Records CBUG #50 are:

- 1.) Completely menu driven, including database menus as well as numerous program menus.
- 2.) All on-screen field name selections (i.e., no program listing necessary to insert field names, etc.)
- 3.) A very helpful registration program to set up student files.
- 4.) A much improved method of tracking absenteeism (if needed by the teacher).
- 5.) A manual entry print-out which includes field data to keep the user from posting grades to wrong data fields.
- 6.) Much improved grade posting programs with accompanying print-outs.
- 7.) Much improved progress report print-outs plus a special progress report for students participating in extra-curricula activities. Prompts for teacher comment and comment not only prints out in the progress report but also is stored in the student file along with the date of the comment/report.
- 8.) HELP SCREENS FOR JUST ABOUT EVERY FUNCTION
- 9.) A system for keeping tract of delinquent student work (work not handed in due to absenteeism, etc.)...
  - a.) Automatic annotatin of the file of the name of the missing work when a zero (0) is posted during regular grade posting routines.
  - b.) The grade posting print-out indicates the reason for a zero and the ranked listing indicates an

- "Incomplete" statement when a zero is averaged in due to a delinquent assignment or work not handed in on time.
- c.) A "delinquent work" posting mode which deletes delinquent work annotations from the file when the grade is finally posted.
  - d.) An auditing mode which allows annotated file checking before a ranked grade listing is printed out.
  - e.) A print-out of the list of students and the names of their delinquent work (suitable for bulletin board) which can be printed out daily or immediately after initial grade posting routines.
  - f.) A print-out of individual student notices which includes the name of the student and the name of the delinquent work (description).

I have used the system for two complete semesters and I believe all the bugs have been found and removed. The students really appreciate seeing their grade average and rank in the class on a daily basis. Many of them actually compete with each other to jump on another on the rank listing --- a new learning motivator created thru the use of a computer? (I post each grade posting print-out of each class on my bulletin board.)

The delinquent work tracking feature is really a SUPER FEATURE! I love it! The one thing that drives teachers up the wall is keeping up with all the delinquent work. Almost every day in every class at least one student is absent who misses an assignment and keeping track of this really can mount up!

By the way, at North Texas State University, I was given a demonstration of about six different classroom management systems off the shelf by the School of Education. Many of them had many different features but primarily in the area of statistical data manipulation out-put and some included beautiful full color bar and pie graph capabilities, etc. Now these were all self-contained software systems (not reliant on a database) and were very well written for what they could do. BUT, they did not seem to fulfill my every practical need for everyday classroom management. The system I have written does fulfill this need and at this point I believe I have exhausted the capabilities of SUPERBASE for this purpose as far as my own personal knowledge of SUPERBASE is concerned.

**SUPER CHURCH**

CRUG #62

\$9.00

#11697

From Jon Whatley

A Superbase Application (SB I, will self adapt to SB II)

The object of this database application is obvious. However there are certainly many other applications it can be applied to from medicine to counseling. CBUG would like to hear from you as to what other applications members can devise!

1 "visitation	" 01 2c	3	"field poster.p"	seq	1	"visitation list."	seq	2	"singleparent.p"	seq
8 "chdirector"	seq	26	"registration.p"	seq	2	"visitation updat"	seq	2	"singlesvisits.p"	seq
1 "VISITATION"	seq	1	"contact list.p"	seq	3	"contacts.p"	seq	2	"pastorvisits.p"	seq
6 "start.p"	seq	2	"membership.p"	seq	2	"teenvisits.p"	seq	9	"hvisitation.p"	seq
7 "visitation.p"	seq	2	"additions2.p"	seq	1	"hlist"	seq	2	"director's list."	seq
5 "menu1.p"	seq	1	"print clear.p"	seq	3	"additions.p"	seq	9	"help.p"	seq
1 "menu2.p"	seq	1	"clear added.p"	seq	1	"clear print.p"	seq	1932	blocks free.	

**THE KING JAMES NEW TESTAMENT**

CBUG #63

\$30.00

#11709

THE NEW TESTAMENT ON DISK! In a two disk set we are releasing the NEW KING JAMES NEW TESTAMENT. The N.T. is saved as individual chapters which are all linked together in SUPERScript format so you can search for individual words or sentences. Hundreds of hours have gone into preparing this in B-128 format. Pastors, teachers, and laymen will enjoy these great disks.

1 "nkjnt1	" ms 2c	26	"luke 23"	seq	12	"romans 14"	seq	12	"2 tim 2"	seq
12 "matt 1"	seq	23	"luke 24"	seq	17	"romans 15"	seq	8	"2 tim 3"	seq
14 "matt 2"	seq	22	"john 1"	seq	12	"romans 16"	seq	10	"2 tim 4"	seq
9 "matt 3"	seq	12	"john 2"	seq	15	"1 cor 1"	seq	9	"titus 1"	seq
13 "matt 4"	seq	17	"john 3"	seq	9	"1 cor 2"	seq	7	"titus 2"	seq
24 "matt 5"	seq	24	"john 4"	seq	10	"1 cor 3"	seq	7	"titus 3"	seq
18 "matt 6"	seq	22	"john 5"	seq	11	"1 cor 4"	seq	10	"philemon"	seq
13 "matt 7"	seq	32	"john 6"	seq	8	"1 cor 5"	seq	9	"heb 1"	seq
17 "matt 8"	seq	22	"john 7"	seq	11	"1 cor 6"	seq	11	"heb 2"	seq
19 "matt 9"	seq	28	"john 8"	seq	21	"1 cor 7"	seq	9	"heb 3"	seq
20 "matt 10"	seq	19	"john 9"	seq	7	"1 cor 8"	seq	9	"heb 4"	seq
15 "matt 11"	seq	18	"john 10"	seq	14	"1 cor 9"	seq	8	"heb 5"	seq
25 "matt 12"	seq	25	"john 11"	seq	15	"1 cor 10"	seq	10	"heb 6"	seq
30 "matt 13"	seq	24	"john 12"	seq	15	"1 cor 11"	seq	15	"heb 7"	seq
16 "matt 14"	seq	15	"john 13"	seq	14	"1 cor 12"	seq	9	"heb 8"	seq
18 "matt 15"	seq	15	"john 14"	seq	6	"1 cor 13"	seq	16	"heb 9"	seq
15 "matt 16"	seq	13	"john 15"	seq	20	"1 cor 14"	seq	19	"heb 10"	seq
14 "matt 17"	seq	17	"john 16"	seq	25	"1 cor 15"	seq	21	"heb 11"	seq
19 "matt 18"	seq	13	"john 17"	seq	10	"1 cor 16"	seq	16	"heb 12"	seq
16 "matt 19"	seq	22	"john 18"	seq	13	"2 cor 1"	seq	12	"heb 13"	seq
17 "matt 20"	seq	23	"john 19"	seq	9	"2 cor 2"	seq	12	"james 1"	seq
25 "matt 21"	seq	17	"john 20"	seq	9	"2 cor 3"	seq	12	"james 2"	seq

19	"matt 22"	seq	15	"john 21"	seq	10	"2 cor 4"	seq	9	"james 3"	seq
19	"matt 23"	seq	16	"acts 1"	seq	11	"2 cor 5"	seq	9	"james 4"	seq
23	"matt 24"	seq	24	"acts 2"	seq	9	"2 cor 6"	seq	11	"james 5"	seq
22	"matt 25"	seq	14	"acts 3"	seq	10	"2 cor 7"	seq	15	"1 peter 1"	seq
35	"matt 26"	seq	20	"acts 4"	seq	13	"2 cor 8"	seq	14	"1 peter 2"	seq
31	"matt 27"	seq	22	"acts 5"	seq	9	"2 cor 9"	seq	13	"1 peter 3"	seq
10	"matt 28"	seq	9	"acts 6"	seq	10	"2 cor 10"	seq	11	"1 peter 4"	seq
21	"mark 1"	seq	31	"acts 7"	seq	17	"2 cor 11"	seq	7	"1 peter 5"	seq
16	"mark 2"	seq	20	"acts 8"	seq	13	"2 cor 12"	seq	11	"2 peter 1"	seq
15	"mark 3"	seq	23	"acts 9"	seq	7	"2 cor 13"	seq	14	"2 peter 2"	seq
20	"mark 4"	seq	24	"acts 10"	seq	11	"gal 1"	seq	12	"2 peter 3"	seq
22	"mark 5"	seq	3 blocks free.			13	"gal 2"	seq	6	"1 john 1"	seq
28	"mark 6"	seq	-----directory disk two-----			15	"gal 3"	seq	16	"1 john 2"	seq
18	"mark 7"	seq	1	"nkjnt2	" ms 2c	14	"gal 4"	seq	12	"1 john 3"	seq
19	"mark 8"	seq	15	"acts 11"	seq	11	"gal 5"	seq	10	"1 john 4"	seq
25	"mark 9"	seq	15	"acts 12"	seq	8	"gal 6"	seq	11	"1 john 5"	seq
26	"mark 10"	seq	28	"acts 13"	seq	12	"eph 1"	seq	7	"2 john"	seq
17	"mark 11"	seq	15	"acts 14"	seq	11	"eph 2"	seq	7	"3 john"	seq
24	"mark 12"	seq	23	"acts 15"	seq	10	"eph 3"	seq	16	"jude"	seq
18	"mark 13"	seq	21	"acts 16"	seq	15	"eph 4"	seq	13	"rev 1"	seq
34	"mark 14"	seq	20	"acts 17"	seq	13	"eph 5"	seq	18	"rev 2"	seq
21	"mark 15"	seq	16	"acts 18"	seq	11	"eph 6"	seq	14	"rev 3"	seq
10	"mark 16"	seq	23	"acts 19"	seq	14	"phi 1"	seq	8	"rev 4"	seq
37	"luke 1"	seq	20	"acts 20"	seq	14	"phi 2"	seq	10	"rev 5"	seq
25	"luke 2"	seq	24	"acts 21"	seq	11	"phi 3"	seq	11	"rev 6"	seq
19	"luke 3"	seq	17	"acts 22"	seq	11	"phi 4"	seq	12	"rev 7"	seq
23	"luke 4"	seq	21	"acts 23"	seq	15	"col 1"	seq	8	"rev 8"	seq
21	"luke 5"	seq	15	"acts 24"	seq	12	"col 2"	seq	12	"rev 9"	seq
27	"luke 6"	seq	16	"acts 25"	seq	11	"col 3"	seq	8	"rev 10"	seq
26	"luke 7"	seq	18	"acts 26"	seq	9	"col 4"	seq	13	"rev 11"	seq
31	"luke 8"	seq	23	"acts 27"	seq	6	"1 thess 1"	seq	11	"rev 12"	seq
31	"luke 9"	seq	19	"acts 28"	seq	10	"1 thess 2"	seq	11	"rev 13"	seq
21	"luke 10"	seq	17	"romans 1"	seq	7	"1 thess 3"	seq	14	"rev 14"	seq
29	"luke 11"	seq	15	"romans 2"	seq	9	"1 thess 4"	seq	6	"rev 15"	seq
30	"luke 12"	seq	14	"romans 3"	seq	10	"1 thess 5"	seq	13	"rev 16"	seq
19	"luke 13"	seq	13	"romans 4"	seq	7	"2 thess 1"	seq	12	"rev 17"	seq
18	"luke 14"	seq	12	"romans 5"	seq	9	"2 thess 2"	seq	16	"rev 18"	seq
16	"luke 15"	seq	12	"romans 6"	seq	8	"2 thess 3"	seq	14	"rev 19"	seq
17	"luke 16"	seq	13	"romans 7"	seq	11	"1 tim 1"	seq	11	"rev 20"	seq
17	"luke 17"	seq	20	"romans 8"	seq	6	"1 tim 2"	seq	16	"rev 21"	seq
19	"luke 18"	seq	17	"romans 9"	seq	8	"1 tim 3"	seq	12	"rev 22"	seq
23	"luke 19"	seq	11	"romans 10"	seq	8	"1 tim 4"	seq	12	"INSTRUCTIONS"	seq
22	"luke 20"	seq	19	"romans 11"	seq	12	"1 tim 5"	seq	18 blocks free.		
18	"luke 21"	seq	10	"romans 12"	seq	12	"1 tim 6"	seq			
31	"luke 22"	seq	9	"romans 13"	seq	10	"2 tim 1"	seq			

SERMONS 2

CBUG #64

\$10.00

#11714

SERMONS TWO is a compiled disk of sermons by Pastor Mark Schwarzbauer, the author of SERMONS ONE and Senior Pastor of Family Worship in Sturgeon Bay Wisconsin. All the files all linked together so you can run searches and more.

1	"sermons 2	" ms 2c	26	"the cross 13+"	seq	17	"laboring+"	seq	22	"miracles 6+"	seq
15	"cross 7"	seq	16	"the cross pt14+"	seq	21	"the cross 22+"	seq	31	"revelation 5+"	seq
25	"prayer 7"	seq	11	"gifts ho2"	seq	9	"dating"	seq	17	"miracles 7+"	seq
23	"show your faith+"	seq	18	"gifts pt3"	seq	9	"dating ho"	seq	18	"revelation 6+"	seq
21	"share your faith"	seq	17	"the cross 15+"	seq	21	"three witnesses"	seq	23	"relying on God+"	seq
12	"cross 8+"	seq	9	"gifts ho3"	seq	17	"the cross 23+"	seq	20	"building for God"	seq
13	"cross 9+"	seq	23	"gifts pt4"	seq	15	"superspell.tm"	seq	26	"miracles 8+"	seq
21	"his cause"	seq	26	"what is man"	seq	17	"the cross 24+"	seq	24	"independencet"	seq
6	"cross 10+"	seq	11	"gifts ho4"	seq	7	"hormones"	seq	20	"miracles 9+"	seq
12	"cross 11+"	seq	18	"the cross 16+"	seq	19	"hope"	seq	28	"missions+"	seq
12	"syf thru vision"	seq	24	"what's happening"	seq	21	"resurrection"	seq	18	"miracles 10+"	seq
25	"syf by knowing i"	seq	20	"the cross 17+"	seq	18	"heaven"	seq	39	"miracles 11+"	seq
19	"thanks alot"	seq	31	"worship+"	seq	26	"hell+"	seq	27	"missions cont+"	seq
24	"the cross 12+"	seq	30	"trials"	seq	30	"miracles intro+"	seq	36	"harvest time+"	seq
14	"let's be thankfu"	seq	4	"sing"	seq	17	"miracles pt2"	seq	30	"miracles 12+"	seq
12	"work work work+"	seq	10	"worship ho"	seq	22	"hurdles to heave"	seq	25	"lift him up+"	seq
18	"the tribulation+"	seq	37	"the cross 18+"	seq	21	"revelation pt1"	seq	26	"excavation faith"	seq
19	"the lord's retur"	seq	19	"body building"	seq	14	"prayer"	seq	28	"miracles 13+"	seq
31	"the last days"	seq	21	"temptation"	seq	20	"miracles 3+"	seq	26	"God's not finish"	seq
5	"radio messages"	seq	20	"the cross 19+"	seq	22	"revelation pt2"	seq	23	"faith+"	seq
21	"prepared for 198"	seq	19	"the cross 20+"	seq	20	"miracles pt4+"	seq	20	"miracles 14+"	seq
15	"gifts pt1"	seq	29	"stare down+"	seq	21	"revelation 3+"	seq	8	"faith ho"	seq
14	"gifts pt2"	seq	18	"the cross 21+"	seq	20	"miracles 5+"	seq	215 blocks free.		
7	"gifts ho1"	seq	20	"because he lives"	seq	17	"revelation 4+"	seq			

SERMONS THREE is a compiled disk of sermons by Pastor Mark Schwarzbauer, the author of SERMONS ONE and Senior Pastor of Family Worship in Sturgeon Bay Wisconsin. All the files all linked together so you can run searches and more.

1 "sermons 3	" ac 2c	26	"miracles 23+"	seq	22	"don't step+"	seq	-8	"harvesting"	seq
14 "miracles 15+"	seq	32	"miracles 24+"	seq	26	"miracles 32+"	seq	36	"unequally yoked+"	seq
3 "NOTE TO USER"	seq	35	"miracles 25+"	seq	26	"stumbling+"	seq	25	"faith"	seq
28 "miracles 16+"	seq	28	"desert 2+"	seq	24	"press towards+"	seq	15	"confidence in..."	seq
22 "God cares+"	seq	31	"preparing+"	seq	18	"miracles 33+"	seq	5	"expectation"	seq
33 "God cares2+"	seq	21	"what child+"	seq	20	"commitment+"	seq	21	"state of church+"	seq
25 "miracles 17+"	seq	30	"miracles 26+"	seq	19	"miracles 34+"	seq	15	"memorial day"	seq
25 "God cares 3+"	seq	25	"begin again+"	seq	24	"miracles 35+"	seq	6	"sound off+"	seq
32 "miracles 18+"	seq	32	"miracles 27+"	seq	22	"don't trip+"	seq	22	"retaining+"	seq
19 "breaking thru+"	seq	21	"prepared for 87"	seq	21	"miracles 36+"	seq	26	"compelled+"	seq
21 "God cares4+"	seq	38	"miracles 28+"	seq	25	"the prize+"	seq	24	"restoration"	seq
24 "miracles 19+"	seq	28	"born again+"	seq	12	"nature of God+"	seq	21	"restoration 2+"	seq
33 "miracles 20+"	seq	28	"source+"	seq	19	"endurance+"	seq	5	"communion"	seq
22 "attacks+"	seq	31	"miracles 29+"	seq	16	"nature of man+"	seq	7	"anointing+"	seq
17 "victory on pm+"	seq	15	"quart low+"	seq	21	"gods are judged"	seq	31	"carry the cross+"	seq
32 "oxymoron+"	seq	24	"his voice+"	seq	28	"easter authority"	seq	27	"perfect father+"	seq
22 "miracles 21+"	seq	10	"gifts"	seq	25	"easter power"	seq	21	"restoration 3+"	seq
26 "yielding+"	seq	25	"miracles 30+"	seq	25	"inheritance+"	seq	37	"God is for me+"	seq
23 "miracles 22+"	seq	13	"touching"	seq	13	"good friday+"	seq	28	"high cost+"	seq
32 "desert+"	seq	32	"miracles 31+"	seq	20	"family+"	seq	39	blocks free.	

--PLUS: Goceliak, O'Halloran, Chick

This is the first of the major software received, in transit, and/or expected from our sister group in Cologne West Germany. Many of us have used or experimented with the original 8432. Well, other than the name, not much else is the same any more. Read the abridged instructions for this new program in the article section of this issue of THE CBUG ESCAPE. True multitasking -- it will run programs simultaneously in up to 14 banks if you have a 1 meg upgrade, or four banks in a 256K machine, etc. And those are potentially all different programs yet there is the ability to draw upon results from a program in any other bank to assist the execution in the current bank -- all under program control. It would be wild to have a monitor for each bank, as they are all doing their thing at the same time!

These are the things the B-128 was designed to do. As we move along our and our sister group's guru's will be devising more miracles for us lowly consumers to chortle over. Give the genius's some room and time, don't begrudge them the rest of the library this issue for it is of these things that such programs as the 8432 v.g are developed.

A word about the effort at CBUG's end of this rainbow. We received the program and fortunately extensive instructions, BUT, it was all in Deutsch. One of our fine members, a native German, Jurgen Billhofer, translated the text to English resulting in the 133 blocks of SUPERSCRIP (sequential) files on the disk. Jurgen is quite a computer expert himself -- a professional programmer, with a collection including IBM AT, and the current top of the line Tandy. As a side note, Jurgen has run time/performance tests between the several machines -- finding that the B128 can wip the other boys (on comparable programs such as Calc Result by 20% to 50%! Similar report are coming in regarding use of the co-processors with CPM-86 vs. IBM, etc. We are now just seeing the B begin to shine!

After Jurgen finished his translation, Mark Schwarzbauer dug into it to bring spellings, grammar, etc. into conventional ideomatic convention. We all owe both Jurgen and Mark a huge debt of gratitude for these efforts. Anyone with German English skills, whether technically oriented or simply a average citizen is urgently requested to register with Mark for future needs in the translation

1 "8432 emulator	" aa 2c	5	"tabler"	prg	32	"assembler700"	prg	26	"assfile.bsp"	prg
1 " loader"	prg	3	"t1"	prg	4	"loader-low"	prg	1	"edit"	prg
8 " bootscrn"	prg	3	"t2"	prg	4	"loader-high"	prg	12	"8432.e442.a"	prg
8 " instscrn"	prg	3	"td"	prg	18	"superbasic.a"	prg	3	"src.textout"	prg
91 "8432-1"	seq	3	"tw"	prg	1	"s10"	prg	4	"src.interrupt"	prg
42 "8432-2"	seq	5	"bank F.23.14"	prg	21	"editor700.9"	prg	17	"softfloppy8032"	prg
3 "boot 8432.24"	prg	18	"toolkit.9"	prg	4	"monitor"	prg	9	"renumber 8432"	prg
1 "edit.start"	prg	16	"tom.7"	prg	5	"assembler"	prg	1546	blocks free.	
115 "8432.24"	prg	17	"editor700.7"	prg	3	"editor"	prg			

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Additional materials added to this disk are from:

From ANTHONY GOCELIK

What can I say! Mr. Goceliak just keep on putting out miracles.

1 "july 87 ajg" 50 2c	12 "uncommon DOSsort" seq	24 "better b screen" seq	3 "goto demo" prg
15 "cbug for/next" seq	16 "computed goto" seq	1 "-----" seq	4 "display select" prg
18 "preserving disks" seq	26 "special renaming" seq	0 "demo pgms follow" del	5 "screen configure" prg
15 "short invective" seq	10 "consistency thik" seq	1 "-----" seq	50 additional blocks

From JAMES OHALLORAN

See the "article" in this issue to see what this one is about.

1 "O'Hallorans Util" 01 2c	8 "load me first" seq	7 "XTRA svmbols" seq	15 additional blocks
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From ART CHICK

Art has provided what he believes to be a substantial improvement over amortization programs currently available for the B128. Wallcover calculation deals with the quickly computing the amount of standard double rolls of decorative wall paper much be purchased to do an installation. Pulley size does the math of pully ratios, etc.

1 "cbug mort pgm." 01 2c	13 "amort.cbm" prg	23 "Wallcover calc" prg	12 "--instructions--" seq
7 "amort. loan" pra	13 "amort. sched" prg	15 "pulley size" prg	83 additional blocks

B128 KERNAL/EDITOR SOURCE CODE CBUG #67

\$9.00

#11747

This material comes from CBM U.K. from Weldon Corby in England before they moved to Maidenhead with CBM International. Mark Schwarzbauer was given these materials for CBUG to distribute to it's members. Much of this material reflects development on the B system and the accuracy is not verified. This material is released ONLY TO CBUG MEMBERS pursuant to our license agreement with CBM. CBUG does not warrant the materials herein as to either their content or accuracy. We have enclosed both the Kernal and Editor on this one disk. Of course CBM has no responsibility of any kind. Any questions MUST be confined with the CBUG and our Cologne affiliate without exception!

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CBUG members are indeed fortunate in having these materials. So far as is known never has any end user of a consumer computer product been allowed access to hardware source code. This type of information is provided normally only under rigid non-disclosure agreements to necessary inside and outside programmers.

1 "ed/kernal" aa 2c	8 "vectors" seq	3 "hiloader" prg	10 "ed." prg
1 "KERNAL rev.4" seq	1 "nolist" seq	33 "kp7/12.bin" prg	32 "asx4.0." prg
1 "#####" seq	8 "save" seq	2 "txtest2" seq	3 "ld." prg
4 "run-prog" prg	6 "ktemp" seq	20 "txram" seq	7 "xref4.0" prg
10 "ed" prg	18 "load" seq	40 "eprombox" prg	24 "bwinit" seq
32 "asx4.0" prg	15 "irq" seq	1 "txinit1.obj" seq	8 "bwdisp" seq
3 "ld" prg	4 "newkernalp" seq	3 "txinit2" seq	30 "bwfun1" seq
7 "xref" prg	2 "bup" prg	3 "txtest1" seq	20 "bwsbs:old" seq
8 "unit to unit" prg	12 "crossover" seq	2 "txinit1" seq	17 "bwkybd" seq
16 "newtapefile" seq	3 "xtest" seq	5 "txtest1.obj" seq	32 "bwtabs" seq
17 "newtapecontrol" seq	23 "ipcom" seq	1 "txinit2.obj" seq	30 "bwfun2" seq
3 "kernal" seq	24 "z80com" seq	5 "txtest2.obj" seq	1 "nolist." seq
2 "scnlist" seq	49 "monitor" seq	23 "xr110000" seq	6 "disclaimer." seq
7 "disclaimer" seq	1 "etest1" prg	33 "kp3/11.bin" prg	27 "zdeclare" seq
33 "declare" seq	2 "data i/o" prg	38 "xrff0000" seq	20 "equate." seq
22 "equate" seq	1 "newnolistp" seq	33 "c64k.bin3csum" prg	13 "escape" seq
44 "newread" seq	1 "# device number" prg	3 "etestc2" prg	33 "bwrn" prg
18 "newwrite" seq	3 "ipcgo" seq	33 "kp7/15.bin" prg	1 "allasm" seq
4 "newkernal" seq	1 "nolistp" seq	33 "c64k2/28.bin3" prg	17 "test1" prg
1 "newnolist" seq	3 "kernalp" seq	33 "kp7/18.bin" prg	1 "sced.lib" seq
6 "time" seq	1 "nolists" seq	33 "901227-03c" prg	1 "newasm" seq
26 "channelio" seq	46 "k.obj" seq	33 "901227-03d" prg	1 "x-rtest@400" prg
3 "messages" seq	10 "oldtransx" seq	1 "n1xdlair" seq	2 "data i/o." prg
20 "iee" seq	3 "finalkernal" seq	33 "1526.bin.06b" prg	20 "declare." seq
19 "rs232" seq	1 "finalnolist" seq	33 "901244-04a" prg	21 "bwsbs" seq
15 "openchannel" seq	16 "open" seq	33 "901244-04b" prg	17 "xr110000." seq
13 "close" seq	46 "kp.obj" seq	9 "CBUG INFO" seq	25 "xrff0000." seq
7 "clall" seq	6 "crosbcm" prg	1 "cbmiihang4/25" prg	1 "xrff0001" seq
34 "init" seq	10 "transx" seq	1 ".#####" seq	1 "xrff0002" seq
3 "oldtime" seq	32 "assmcbm3" prg	1 "EDITOR rev. 4" seq	349 blocks free.
8 "errorhandler" seq	10 "ed7" prg	4 "run-prog." prg	

NOTE: This material is intended for advanced programmers only.

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The contents on this disk are the B series Basics including the pet 64 to the 256. There are also notes on errors like the last program "MEMO.29SEPT83.WP".

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A passing note; during the engineering stages of the B128/700B series, the name of the machine was PET III or PET 128, etc. This is truly the mother lode for any serious programmer.

1	"b-series basics "	p4 2c	41	"math4"	seq	1	"pet64no"	seq	61	"cbm128no.mod"	prg
4	"run-prog"	prg	39	"strng1"	seq	1	"pet128no"	seq	2	"compare"	prg
10	"ed"	prg	62	"strng2"	seq	1	"pet128"	seq	1	"cbm256no"	seq
32	"asm"	prg	46	"butes1"	seq	3	"bup"	prg	1	"pet256no"	seq
3	"ld"	prg	37	"butes2"	seq	8	"unit to unit"	prg	1	"err.pu.b"	prg
7	"cref"	prg	29	"renumber"	seq	7	"delete"	seq	65	"cbm256.bin1"	prg
18	"basic"	seq	1	"cbm128"	seq	18	"init"	seq	4	"lowload"	prg
61	"basdoc"	seq	4	"syscal"	seq	6	"sysvec"	seq	61	"cbm256no.mod"	prg
40	"bdefine"	seq	5	"mover2"	prg	1	"cbm192"	seq	6	"memo.29sept83.b"	prg
38	"tokens"	seq	1	"nolist"	seq	1	"pet192"	seq	5	"patches"	seq
59	"contr1"	seq	1	"nolist2"	seq	1	"cbm128no"	seq	3	"change 8050"	prg
50	"bverbs1"	seq	1	"nolist3"	seq	1	"cbm256"	seq	33	"bas-hi 128v4"	prg
46	"bverbs2"	seq	1	"nolist4"	seq	1	"cbm192no"	seq	65	"cbm128.29sep83.b"	prg
39	"bverbs3"	seq	11	"indir"	seq	1	"pet256"	seq	12	"memo.29sept83.wp"	prg
50	"math1"	seq	43	"using"	seq	1	"cbm64"	seq	4	"CBUG INFO"	seq
51	"math2"	seq	1	"cbm64no"	seq	1	"pet64"	seq	783	blocks free.	
20	"math3"	seq	40	"box"	seq	1	"pet192no"	seq			

NOTE: This material is intended for advanced programmers only.

This material is independantly derived from the same source disk as is CBUG #68. John Berezinski who obviously is an outstanding programmer has left members at the CBUG West Chicago area meeting spellbound with the discoveries he is making and the revolutionary programming soon to be released. It appears he has done some considerable work in with the Source Code below which may save you a good deal of study time. John writes as follows:

This is the source code for basic as supplied by Commodore with the exception of a few seq. files that were to long for Superscript to load. These few were edited with a disk doctor and resaved as two parts. The first part under the original name and the second with a 'b' added. Many of the PRGs I have not looked at. I suspect some are incomplete or are meant to be run with a symbolic assembler or other program. Programs suffixed with .mod are probably compiled object code (machine language). Programs suffixed with .b or .wp were done with some type of word processor. Some will load as basic, others won't.

1	"fourone	" 41 2c	41	"math4"	seq	1	"cbm128"	seq	1	"pet256"	seq
3	"blurb"	prg	39	"strng1"	seq	5	"mover2"	prg	1	"cbm64"	seq
50	"bverbs1b"	seq	62	"strng2"	seq	1	"nolist"	seq	1	"pet64"	seq
59	"contr1b"	seq	46	"butes1"	seq	1	"nolist2"	seq	1	"pet192no"	seq
51	"math2b"	seq	37	"butes2"	seq	1	"nolist3"	seq	61	"cbm128no.mod"	prg
62	"strng2b"	seq	29	"renumber"	seq	1	"nolist4"	seq	2	"compare"	prg
37	"butes2b"	seq	4	"syscal"	seq	1	"cbm64no"	seq	1	"cbm256no"	seq
18	"basic"	seq	11	"indir"	seq	40	"box"	prg	1	"pet256no"	seq
61	"basdoc"	seq	43	"using"	seq	1	"pet64no"	seq	1	"err.pu.b"	prg
40	"bdefine"	seq	7	"delete"	seq	1	"pet128no"	seq	65	"cbm256.bin1"	prg
38	"tokens"	seq	18	"init"	seq	1	"pet128"	seq	4	"lowload"	prg
59	"contr1"	seq	6	"sysvec"	seq	3	"bup"	prg	61	"cbm256no.mod"	prg
50	"bverbs1"	seq	5	"patches"	seq	8	"unit to unit"	prg	6	"memo.29sept83.b"	prg
46	"bverbs2"	seq	4	"run-prog"	prg	1	"cbm192"	seq	3	"change 8050"	prg
39	"bverbs3"	seq	10	"ed"	prg	1	"pet192"	seq	33	"bas-hi 128v4"	prg

50	"math1"	seq	32	"asm"	prg	1	"cbm128no"	seq	65	"cbm128.29sep83.b"	prg
51	"math2"	seq	3	"ld"	prg	1	"cbm256"	seq	12	"memo.29sept83.wp"	prg
20	"math3"	seq	7	"cref"	prg	1	"cbm192no"	seq	525	blocks free.	

**PRINT FILES, SUMMER 1987**

**CBUG #70**

**\$9.00**

**#11606**

THE ESCAPE print files, Summer 1987 issue.

1	"locals newslette" ln	2c	5	"pre10"	seq	16	"goldware"	seq	33	"cpm86"	seq
18	"cbug local maile"	seq	21	"67"	seq	16	"ram cart"	seq	14	"chick"	seq
16	"library lead"	seq	16	"68"	seq	92	"multitasking"	seq	15	"ohaloran docs"	seq
36	"60"	seq	5	"ps"	seq	14	"hard drives"	seq	6	"ohalloran"	seq
9	"pre7"	seq	2	"70"	seq	2	"hdb"	seq	68	"mem zips"	seq
42	"61"	seq	9	"71"	seq	90	"tutorial"	seq	26	"yell listing"	seq
35	"63"	seq	12	"special cables"	seq	16	"goto"	seq	21	"table of content"	seq
6	"62"	seq	15	"want ads"	seq	16	"for next"	seq	29	"order form 1 108"	seq
14	"64"	seq	25	"scratch"	seq	25	"screen display"	seq	34	"order form 2 100"	seq
12	"65"	seq	59	"beginning"	seq	26	"file renaming"	seq	13	"nondisclosure ag"	seq
21	"66"	seq	13	"know nothing"	seq	19	"disk destruction"	seq	6	"joys"	seq
2	"hw"	seq	11	"consistency"	seq	27	"invective"	seq	8	"sei final"	seq
14	"69"	seq	35	"liz"	seq	14	"serial bus"	seq	7	"top front cover"	seq
11	"pre8"	seq	9	"german conn"	seq	53	"harrison review"	seq	3	"summer 87 hdln"	seq
7	"pre9"	seq	13	"uncommon"	seq	35	"sb to msdos"	seq	31	"!!--NOTICE--!!"	seq
						45	"ws vs ss2"	seq	739	blocks free.	

**PRECISION CHURCH (A SB Application) CBUG #71**

**\$25.00**

**#11593**

by Mark Schwarzbauer

PRECISION CHURCH 700 is a multi-use church program that also lends itself to other non-profit organizations and groups. It contains some highly refined special programs such as the contributions program that keep track of peoples giving and has complete mailmerge recall of these files as well as other print out programs. In addition to the contributions program there are other programs that keep track of birthdays, and anniversaries, and print out selected lists, there is a membership program that keeps track of various types of membership as well as printing out selected reports. PRECISION CHURCH 700 comes with 14 pages of instructions and can be immediately put to work even without knowledge of SUPERBASE II as all the programs come with user friendly drop down menus where you just select what you want. This program is designed for use with SUPEROFFICE which contains SUPERBASE II. While you can use SUPERBASE II itself, you will be able to better utilize the full benefits of PRECISION CHURCH 700 if you use it with SUPEROFFICE. This series is copyrighted by the author and may not be reproduced without permission except for backup for personal use.

0	"precision church" ms	2c	1	"giving list.p"	seq	9	"membership.p"	seq	3	"recheck.p"	seq
2	"churches"	seq	10	"giving.p"	seq	3	"order"	seq	5	"reports.p"	seq
3	"days"	seq	79	"instructions"	seq	3	"quarter 1 ms"	seq	10	"start.p"	seq
7	"days.p"	seq	7	"labels.p"	seq	3	"quarter 2.ms"	seq	3	"total.p"	seq
1	"depart"	seq	4	"mailmerge"	seq	4	"quarter 3 ms"	seq	1	"CHURCH"	seq
4	"giving"	seq	2	"membership"	seq	4	"quarter 4 ms"	seq	1867	blocks free.	

**GOCELIAX'S THIRD MINE**

**CBUG #72**

**\$14.00**

**#11982**

from: Anthony Goceliak

Just a quick note to tell you a bit about the organization of this disk. Each section separated by a file titled " " of type seq is independant of the rest of the disk. For instance if you wish to set up a shift/run-able way to backup your disks from one sfd to another, just format a disk and copy to it all the files beginning with "backup unit x y" and ending with "instructions.bak".

The only exception is the group of files associated with the directory disk suite of programs. By shift/run-ning the existing disk and then selecting the function "need more room!", the program itself will create a new directory disk suite without any of my directories on it completely automatically.

<<This is a particularly notable disk in that it contains a series of backup programs allowing SFD1001 to SFD1001 backup operations as well as backups between most other similar and dis-similar IEEE drives. See the article this issue (Fall 1987). Mr. Goceliak is most certainly living up to his reputation for expertise and highly useful programs for CBUG members! Take a look at the disk indexing program -- what a help to members who have large collections of data or CBUG disks. Those of you who have enjoyed and used Tony's writings and programming ought what to send him a note of thanks. His work is in both quantity and quality beyond belief. As per the note last issue, probably better just to send a note than to phone --his address is in the article section. Thanks again, Tony.>>

1	"directory disk " x7 2c		2	"screen defaults"	prg	reverse, graphics, windows, all one:
8	"begin here (c) "	prg	1	"reversed screen"	prg	bringing up SS II with black text on bright
7	"need more room!"	prg	5	"f-restorer demo"	prg	alter, then restore non-standard f-keys

8	"add to directory"	prg	store, update, and find a file from a	3	"f-key restorer"	prg	
9	"update directory"	prg	library of up to 37 of YOUR disks with a	2	"basic seq 2 prg"	prg	from basic, leaving program in memory
12	"search directory"	prg	single fast search! Includes as a demo	1	"b bug demo pgm"	prg	ask the right question, and stump your b!
5	"display headers"	prg	all 33 CBUG disks I own	1	"	seq	
4	"erase directory"	prg		1	"ieee unit 2 unit"	seq	
29	"instructions.dir"	seq	SS II readable instrns for dir disk suite	19	"backup unit x_y"	prg	backup unit 8 (an 8050) to unit 9 (an sfd)! or backup one sfd to another sfd!
1	"&move it"	usr	disk program automatically called when needed	21	"2031-8050 backup"	prg	backup a 2031 to an 8050
1	"	seq		1	"	seq	
1	"-never collect--"	seq	warning message due to rnd-file storage	5	"8blk rev1.obj"	prg	distributed code automatically called as needed
1	"-or validate--"	seq	of the up to 37 directories stored	32	"instructions.bak"	seq	SS II instructions for backup programs
1	"-this disk--"	seq		1	"	seq	
1	"	seq		1	"all work and no play?"	seq	
1	"escape articles"	seq	these are SS II readable articles	9	"life for std. b"	prg	with no cartridge needed
24	"goldware"	seq	my review of the reviewers	9	"life-needxtraram"	prg	a bit faster if you own a ram cartridge
20	"b-128 bug!"	seq	crash your b with a one-line request	2	"bank1 life"	prg	m/l automatically called
7	"reversed SS II"	seq	black text on bright background	2	"m/l life"	prg	ditto
21	"8050 drive belt"	seq	a failure-mode not checked by cbm diagnostics	5	"on screen clock"	prg	or the \$1000 plug-in digital watch!
9	"m/l programming"	seq	the hard way	1	"clock \$0700 m/l"	prg	m/l automatically called
8	"distributedsmart"	seq	program the drive with NO computer	2	"crazy screen.g"	prg	a video crazy-patch quilt
9	"default screen"	seq	easy return to power-up screen state	2	"crazy screen"	prg	bi-stable quilt
18	"default f-keys"	seq	ditto for the function keys	2	"med res chaos"	prg	plot mathematical entropy
48	"f-key info"	seq	un-new basic, automatic verify, append basic, etc	1	"	seq	
18	"restoring f-keys"	seq	returning keys to what they were, general case	11	"lethe for sfd/d0"	prg	obliterates unwanted files without trace
6	"true reset"	seq	how to power-up your b	5	"irq any pg disp"	prg	want to watch your b as it works?
18	"seq to prg"	seq	listed seq file to program from basic	2	"any page m/l irq"	prg	m/l automatically called as needed
1	"	seq		15	"directory+notes"	seq	this file
1	"associated demos"	seq	short programs to illustrate the above	477			blocks free.
5	"function keys <sup>22</sup> "	prg	programs all 20 with my layout				
4	"f-key defaults"	prg	restores default settings at will				

THE ESCAPE INDEX v. Sum87

CBUG #73

\$14.00

#11997

from: Clyde Northrup

The full text description of this disk is published in this issue (Fall 1987) as an article. Please check the index for Clyde Northrup's article this subject. This disk is a Superbase application containing a complete index to all issues to date of the CBUG escape. There is also a smaller database similar to a magazine index which had been adapted to tracking product advertisements by product name, class and price. There are numerous pre-executed searches located in the help files as well. This is an invaluable aid to those members who regularly reference The ESCAPE for previously published information.

1	"sb7 data 1	" s1 2c	1	"h.1541"	seq	1	"h.boot"	seq	1	"h.library"	seq	1	"h.screen"	seq
8	"loader"	prg	1	"h.2040"	seq	1	"h.bounce"	seq	3	"h.line"	seq	5	"h.script"	seq
37	"read me ESCAPE"	seq	37	"ESCAPE read file"	seq	1	"h.bracket"	seq	1	"h.link"	seq	1	"h.scroll"	seq
8	"hsuperbase"	seq	11	"test.p"	seq	1	"h.buffer"	seq	1	"h.list"	seq	1	"h.search"	seq
1	"COMPUTER"	seq	27	"current"	seq	4	"h.bug"	seq	2	"h.load"	seq	1	"h.send"	seq
8	"start.p"	seq	1	"h.2400"	seq	1	"h.bus"	seq	1	"h.loop"	seq	1	"h.sensor"	seq
6	"prices"	seq	1	"h.4040"	seq	2	"h.cable"	seq	1	"h.maketable"	seq	1	"h.seq"	seq
5	"p.r.125column.p"	seq	1	"h.4565"	seq	1	"h.cabs"	seq	1	"h.membership"	seq	1	"h.sid"	seq
6	"escape"	seq	1	"h.6400"	seq	2	"h.calc"	seq	1	"h.meter"	seq	1	"h.signon"	seq
2	"h.64"	seq	1	"h.6432"	seq	1	"h.cartridge"	seq	1	"h.micro"	seq	1	"h.sigs"	seq
8	"hprice"	seq	1	"h.8032"	seq	1	"h.catalog"	seq	1	"h.ml"	seq	1	"h.soft"	seq
14	"p.e.escape.p"	seq	4	"h.8050"	seq	3	"h.cbug"	seq	1	"h.music"	seq	1	"h.sort"	seq
3	"p.r.price.p"	seq	1	"h.8088"	seq	1	"h.channel"	seq	1	"h.new"	seq	2	"h.speed"	seq
6	"menu.p"	seq	1	"h.8250"	seq	1	"h.check"	seq	1	"h.office"	seq	1	"h.spell"	seq
42	"print file"	seq	1	"h.8280"	seq	1	"h.chip"	seq	1	"h.open"	seq	6	"h.ss"	seq
7	"hescape"	seq	1	"h.8432"	seq	1	"h.close"	seq	1	"h.page"	seq	1	"h.stop"	seq
8	"hshopper"	seq	1	"h.9060"	seq	1	"h.clr"	seq	1	"h.pay"	seq	1	"h.submission"	seq
3	"dir.p"	seq	1	"h.9090"	seq	1	"h.cobol"	seq	1	"h.pet"	seq	1	"h.sys"	seq
8	"hsuperbase"	seq	12	"p.datasearch.p"	seq	1	"h.compatibil"	seq	2	"h.port"	seq	2	"h.tele"	seq
7	"hlater"	seq	1	"h.access"	seq	1	"h.compile"	seq	1	"h.portab"	seq	2	"h.tem"	seq
10	"hsearch"	seq	1	"h.account"	seq	2	"h.copy"	seq	1	"h.power"	seq	1	"h.tokenize"	seq
7	"p.r.search.p"	seq	2	"h.address"	seq	13	"h.co-processor"	seq	7	"h.print"	seq	1	"h.trans"	seq
3	"instructions"	prg	1	"h.algorithm"	seq	1	"h.cpm"	seq	3	"h.prog"	seq	1	"h.tutor"	seq
8	"hhelp"	seq	1	"h.align"	seq	2	"h.data"	seq	1	"h.progres"	seq	1	"h.type"	seq
8	"henter"	seq	1	"h.alphabetise"	seq	1	"h.date"	seq	1	"h.protocol"	seq	1	"h.underline"	seq
8	"hindex"	seq	1	"h.amort"	seq	1	"h.dattaset"	seq	1	"h.queue"	seq	1	"h.unscratch"	seq
8	"h125"	seq	1	"h.analog"	seq	2	"h.delphi"	seq	1	"h.rate"	seq	2	"h.use"	seq
8	"hhelps"	seq	1	"h.answer"	seq	2	"h.dir"	seq	1	"h.read"	seq	2	"h.utili"	seq
8	"hdir"	seq	1	"h.ascii"	seq	6	"h.disk"	seq	1	"h.rebuild"	seq	1	"h.var"	seq
1	"hpricelist"	seq	1	"h.assemble"	seq	1	"h.download"	seq	1	"h.record"	seq	1	"h.vidio"	seq
4	"hfind"	seq	1	"h.audio"	seq	5	"h.drive"	seq	1	"h.religion"	seq	1	"h.volt"	seq
1	"hpresort"	seq	1	"h.avatex"	seq	1	"h.dump"	seq	1	"h.rem"	seq	1	"h.wait"	seq
1	"p.p.sort.p"	seq	1	"h.backup"	seq	3	"h.file"	seq	1	"h.rename"	seq	1	"h.warm"	seq
37	"CBUGpublish this"	seq	1	"h.bank"	seq	1	"h.fkey"	seq	1	"h.resolution"	seq	1	"h.wild"	seq
7	"hsorth"	seq	4	"h.base"	seq	1	"h.fre("	seq	1	"h.restore"	seq	1	"h.window"	seq

6 "CBUGpublishThis"	seq	2 "h.basic"	seq	1 "h.goto"	seq	1 "h.return"	seq	1 "h.word"	seq
6 "h.128"	seq	1 "h.bbs"	seq	2 "h.graph"	seq	1 "h.rgb"	seq	2 "h.write"	seq
22 "hsearch&report"	seq	1 "h.beeline"	seq	1 "h.hard"	seq	1 "h.roundoff"	seq	1 "h.zener"	seq
7 "hfuture"	seq	1 "h.beginner"	seq	1 "h.initial"	seq	1 "h.run"	seq	1 "h.zip"	seq
8 "hkey"	seq	1 "h.bible"	seq	1 "h.input"	seq	1 "h.rvs"	seq	789 blocks free.	
1 "h.1001"	seq	1 "h.binary"	seq	1 "h.insert"	seq	2 "h.save"	seq		
1 "h.1200"	seq	1 "h.bios"	seq	2 "h.interface"	seq	1 "h.sb"	seq		
1 "h.1345"	seq	1 "h.bmon"	seq	1 "h.label"	seq	1 "h.scratch"	seq		

**SUPEROFFICE SCRUBBER**

**CBUG #74**

**\$15.00**

**#12007**

from: Mark Schwarzbauer

CBUGS SHORTEST DISK EVER! In just four lines of code is built a complete SUPEROFFICE DEPROTECTION/DECRYPTION program. Easy to follow instructions are included in a "superscript" file making this program very simple to use. When completed in less than 5 minutes you will have a deprotected version of SUPEROFFICE that will load in only 53 seconds instead of the usual 2 minutes. This version will allow you to change function keys in Superscript, (an article to be published in the escape) and also add on new features yet to be developed like an integrated SUPEROFFICE with BTERM! The new DEPROTECTED SUPEROFFICE just shift/runs like the original.

1 "so decryptor"	" 02 2c	1	"deprotector 3"	prg	2	"soloader"	prg	12	"instructions"	seq
1 "initializer"		prg	1 "deprotector 2"	prg	2	"start.p"	seq	2033	blocks free.	

**BEREZINSKI MACHINE LANGUAGE INDEX DATA BASE**

**CBUG #75**

**\$9.00**

**#12012**

from: John Berezinski

This disk contains a database of the ml commands for the b128. It can be used to sort commands by name, by registers affected, by flags affected, or even by the bit pattern of the command.

The name of the data base is mldb.

The name of one file is mlcommands. It uses command names for key.

The name of other file is binary. It uses the binary number of the command for the key.

Included on the disk are some help files on command types.

1 "ml cmds dB"	" md 2c	1	"himplied"	seq	4	"hindirectindex"	seq	2	"intro.basic.ss"	seq
3 "intro.basic"		prg	2 "hindex"	seq	2	"hindexindirect"	seq	6	"start.p"	seq
2 "mlcommands"		seq	1 "hzeropage"	seq	2	"hindirection"	seq	1	"MLDB"	seq
111 "mlcmds"		seq	2 "habsolute"	seq	1	"hlist"	seq	1601	blocks free.	
2 "himmediate"	s	2	"binary"	seq						

One of the more profound needs expressed by a number of CBUG members is the inability to get into some of the commercial software to modify it for specialized or more advanced applications. A notable example is Superbase which would be greatly improved if it had more than one key-name permitted; i.e. using for example last name, zip and invoice numbers as selectable key names. To do this we have to get into the program which may be a harder feat than altering the compiled machine language program itself. John set about working on this project some time ago from the vantage point of the SuperOffice program. Following is a partially completed effort in that direction which along with its bank switching and trading routines sheds some light on undocumented capabilities of the B128. The basic premiss of operation is to load the program, move it to a spare bank, reset vectors and resave. We've included this interesting material as study information ONLY. No representation is made as to its workability, reliability or possible bugs or bug generation. There are known shortcomings in this unfinished project.

1 "twozero"	" 20 2c	1	"s2"	prg	2	"soloader"	prg	4	"loader"	prg
2 "inst."		prg	1 "s3"	prg	1	"mlloader"	prg	34	"&&instruct"	seq
1 "s1"		prg	3 "ssloader"	prg	2	"start.p"	seq	2001	blocks free.	

**THE COMPLETE KING JAMES BIBLE**

**CBUG #76**

**\$40.00**

**#12026**

This series of nine disks contains the text of the King James Bible, both Old and New Testaments. The original copying to disk was done by Randall J. Bernard, of Morenci, Arizona, for the Commodore 64 and distributed free of charge by him. The 1541 Speedscript (prg) files were then converted to 8050 Superscript (seq) files by Ed Rhyner of CBUG. Marilyn Gardner of CBUG did final editing and added link specifications.

This set of disks is offered with no royalty charge. Since we did not pay for the original, we should not charge extra for the copies.

Each book of the Bible is a separate sequential file, generally named by the first three letters of the book name (using no capital letters), followed by a space, then the chapter number. Exceptions are phm for Philemon (to avoid confusion with Philippians), jdj for Judges (to avoid confusion with Jude), aand rth for Ruth. Books with a numeric prefix use an arabic rather than Roman numeral and have no space between the number and the letters of the book name, such as 1ti for 1

Timothy.

These disks are useful for a number of purposes, including: searching for words or phrases with the Superscript search feature; printing out a series of references for a Bible study or sermon; and, if you can't stay away from your computer, you can still have personal devotions with the Scriptures in your machine!

We have tried to check thoroughly to make sure the copies are accurate. If any errors are noted, please contact Marilyn Gardner, 1630 Madison Street, Evanston, Illinois 60202.

<<Think about it, friends, going thru each of these files, converting them to 80 column, naming and linking each file!!>>

<<Order the entire set for \$40.00 using stock #12026, or one disk at a time for the standard \$9.00 library fee using the .X suffixed stock numbers.>>

<<<We've truncated all but the first listing for brevity in this catalogue. The full listing of directories is available in the Fall 1987 issue of The CBUG ESCAPE>>>

Genesis 1 - Leviticus 23										Stock #12026.1									
1 "old testament" o1	24 "gen 19"	seq	18 "gen 38"	seq	16 "exo 7"	seq	22 "exo 26"	seq	16 "lev 5"	seq									
18 "gen 1"	seq	11 "gen 20"	seq	14 "gen 39"	seq	21 "exo 8"	seq	13 "exo 27"	seq	20 "lev 6"	seq								
14 "gen 2"	seq	17 "gen 21"	seq	13 "gen 40"	seq	21 "exo 9"	seq	28 "exo 28"	seq	24 "lev 7"	seq								
15 "gen 3"	seq	14 "gen 22"	seq	31 "gen 41"	seq	20 "exo 10"	seq	30 "exo 29"	seq	22 "lev 8"	seq								
14 "gen 4"	seq	12 "gen 23"	seq	22 "gen 42"	seq	8 "exo 11"	seq	23 "exo 30"	seq	14 "lev 9"	seq								
12 "gen 5"	seq	39 "gen 24"	seq	21 "gen 43"	seq	33 "exo 12"	seq	10 "exo 31"	seq	14 "lev 10"	seq								
13 "gen 6"	seq	17 "gen 25"	seq	19 "gen 44"	seq	15 "exo 13"	seq	24 "exo 32"	seq	26 "lev 11"	seq								
13 "gen 7"	seq	20 "gen 26"	seq	16 "gen 45"	seq	21 "exo 14"	seq	15 "exo 33"	seq	6 "lev 12"	seq								
13 "gen 8"	seq	27 "gen 27"	seq	18 "gen 46"	seq	16 "exo 15"	seq	23 "exo 34"	seq	39 "lev 13"	seq								
15 "gen 9"	seq	14 "gen 28"	seq	21 "gen 47"	seq	23 "exo 16"	seq	19 "exo 35"	seq	36 "lev 14"	seq								
13 "gen 10"	seq	19 "gen 29"	seq	14 "gen 48"	seq	11 "exo 17"	seq	21 "exo 36"	seq	21 "lev 15"	seq								
14 "gen 11"	seq	23 "gen 30"	seq	18 "gen 49"	seq	17 "exo 18"	seq	17 "exo 37"	seq	25 "lev 16"	seq								
12 "gen 12"	seq	32 "gen 31"	seq	16 "gen 50"	seq	16 "exo 19"	seq	20 "exo 38"	seq	12 "lev 17"	seq								
10 "gen 13"	seq	18 "gen 32"	seq	11 "exo 1"	seq	13 "exo 20"	seq	24 "exo 39"	seq	16 "lev 18"	seq								
14 "gen 14"	seq	12 "gen 33"	seq	14 "exo 2"	seq	19 "exo 21"	seq	19 "exo 40"	seq	20 "lev 19"	seq								
11 "gen 15"	seq	18 "gen 34"	seq	17 "exo 3"	seq	17 "exo 22"	seq	12 "lev 1"	seq	19 "lev 20"	seq								
10 "gen 16"	seq	15 "gen 35"	seq	19 "exo 4"	seq	19 "exo 23"	seq	11 "lev 2"	seq	13 "lev 21"	seq								
16 "gen 17"	seq	20 "gen 36"	seq	14 "exo 5"	seq	12 "exo 24"	seq	11 "lev 3"	seq	20 "lev 22"	seq								
19 "gen 18"	seq	21 "gen 37"	seq	17 "exo 6"	seq	21 "exo 25"	seq	25 "lev 4"	seq	27 "lev 23"	seq								

4 bcks free.

Leviticus 24 - Judges 6	stock #12026.2
Judges 7 - 2 Kings 5	stock #12026.3
2 Kings 6 - Esther 9	Stock #12026.4
Esther 10 - Proverbs 31	Stock #12026.5
Ecclesiastes 1 - Lamentations 2	Stock #12026.6
Lamentations 3 - Matthew 10	Stock #12026.7
Mathew 11 - Acts 15	Stock #12026.8
Acts 16 - Revelations 22	Stock #12026.9

SUPER TEACHER - HI CAPACITY w/ UPGRADES

CBUG #77

\$20.00

#12031

from: Jon Whatley

This is the latest and a major upgrade on Mr. Whatley's work with educational record keeping. It includes many improvements such as expanded file record fields, improved quiz & review printing programs, etc. It can handle virtually any class load a teacher may be assigned. The titles of programs and files on the disk should give you an indepth idea of what all can be done with this suite. This is formatted in Superbase I so it will operate with either SB I or SB II. The program disk resides in drive 1 and the applicable data disk in drive 0 -- after you've loaded SB of course. It is highly recommended that you run with copies only, keeping your original CBUG disk only to make more operating copies. To that end, the set of 4 includes a package of 10 OPUS super premium SSDD disks. Individual disks can be ordered at the standard library price of \$9.00 each -- just specify the .X stock number

SUPER TEACHER PROGRAMS										stock #12031.11									
1 "student records " 01	2c	4	"pd1 daily record"	seq	6	"missing work.p"	seq	5	"hposter tips.p"	seq	3	"menu14.p"	seq						
12 "report.p"	seq	4	"pd2 daily record"	seq	6	"missing work lis"	seq	6	"hcalculations.p"	seq	3	"menu15.p"	seq						
3 "student list.p"	seq	4	"pd3 daily record"	seq	5	"missing work2.p"	seq	7	"missing work3.p"	seq	3	"menu17.p"	seq						
4 "grade list.p"	seq	4	"field poster.p"	seq	3	"sp prog rept lis"	seq	4	"quiz format.p"	seq	3	"menu18.p"	seq						
4 "ranked list.p"	seq	4	"menu2.p"	seq	3	"ID list.p"	seq	3	"key.p"	seq	3	"menu19.p"	seq						
7 "daily record.p"	seq	14	"report3.p"	seq	2	"manual entries.p"	seq	7	"instructions.p"	seq	3	"menu20.p"	seq						
3 "ltrgd.p"	seq	14	"report2.p"	seq	3	"manual entry2.p"	seq	2	"study guide.p"	seq	3	"menu21.p"	seq						
3 "absence list.p"	seq	14	"report1.p"	seq	3	"hprocedure.p"	seq	5	"menu6.p"	seq	3	"menu22.p"	seq						
3 "absence poster.p"	seq	3	"progress reports"	seq	5	"hposter.p"	seq	2	"final.p"	seq	5	"hltrgd.p"	seq						
2 "clear files.p"	seq	3	"daily records.p"	seq	3	"features.p"	seq	6	"start II.p"	seq	5	"fexam calc.p"	seq						
8 "grade poster.p"	seq	4	"grade posters.p"	seq	5	"hprogress.p"	seq	5	"menu7.p"	seq	6	"start III.p"	seq						
9 "grade poster2.p"	seq	3	"lists.p"	seq	6	"habsences.p"	seq	5	"menu8.p"	seq	5	"review format.p"	seq						

8	"grade poster3.p"	seq	2	"absence data.p"	seq	6	"hlists.p"	seq	5	"menu9.p"	seq	7	"clear prog"	prg
4	"start.p"	seq	4	"registrati2.p"	seq	4	"hdaily records.p"	seq	5	"menu10.p"	seq	5	"menu2a.p"	seq
3	"absence record.p"	seq	3	"registrations.p"	seq	5	"hfield poster.p"	seq	5	"menu11.p"	seq	2	"hmanual entries."	seq
5	"registration.p"	seq	5	"hregistration.p"	seq	5	"hmissing work.p"	seq	5	"menu12.p"	seq	6	"manual entry rec"	seq
4	"meru1.p"	seq	3	"absence list2.p"	seq	4	"hmissing work li"	seq	5	"menu13.p"	seq	1	"hlist"	seq

1656 blocks free.

				STUDENT RECORDS				stock #12031.2					
1	"student records "	01	2c	12	"period 2"	seq	12	"period 5"	seq	5	"start.p"	seq	
1	"STUDENT"records	seq		12	"period 3"	seq	12	"period 6"	seq	1	"hlist"	seq	
12	"period 1"	seq		12	"period 4"	seq	12	"period 7"	seq				1951 blocks free.

				REVIEW DATA				stock #12031.3								
1	"data bank	"	01	2c	3	"chapter 4"	seq	3	"chapter 9"	seq	3	"chapter 14"	seq	3	"chapter 18"	seq
1	"REVIEW"i	seq		3	"chapter 5"	seq	3	"chapter 10"	seq	3	"chapter 15"	seq	4	"start.p"	seq	
3	"chapter 1"	seq		3	"chapter 6"	seq	3	"chapter 11"	seq	1	"REVIEW"ii	seq				1974 blocks free.
3	"chapter 2"	seq		3	"chapter 7"	seq	3	"chapter 12"	seq	3	"chapter 16"	seq				
3	"chapter 3"	seq		3	"chapter 8"	seq	3	"chapter 13"	seq	3	"chapter 17"	seq				

				QUIZ DATA				stock #12031.4								
1	"databank	"	01	2c	3	"chapter 2"	seq	3	"chapter 7"	seq	3	"chapter 12"	seq	3	"chapter 16"	seq
1	"QUIZ"data	seq		3	"chapter 3"	seq	3	"chapter 8"	seq	3	"chapter 13"	seq	3	"chapter 17"	seq	
4	"start.p"	seq		3	"chapter 4"	seq	3	"chapter 9"	seq	3	"chapter 14"	seq	3	"chapter 18"	seq	
3	"final"	seq		3	"chapter 5"	seq	3	"chapter 10"	seq	1	"QUIZ"datã ii	seq	1	"hlist"	seq	
3	"chapter 1"	seq		3	"chapter 6"	seq	3	"chapter 11"	seq	3	"chapter 15"	seq				1962 blocks free.

### REVISED SUPER TEACHER PROGRAMS

Jon Whatley has further revised his Superbase programs for the Super Teacher suite. Below are a few examples of reports generated by these programs including graphing!! Jon is showing us that Orwell's prophetic book "1984" may even have anticipated the B-128. The Super-Teacher suite is becoming so advanced that it should be in every B128 users' library for the purpose of using the concept and programs to easily write other applications. Jon notes that as to the GRAPHING FEATURES:

<<<References to illustrations and samples are to be found in Volume 10 Winter 1988 issue.>>>

No manual entry of raw data required	Class average of field graphed is calculated and shown at end of graph
Automatic collection of data from the files	Choose print or display
Automatic sorting and ranked display from highest to lowest	Function keys at prompt hold previously entered field name and description

For want of space the directory to this disk is omitted -- it has 56 entries on it and 174 blocks of additional programming. Like its predecessor, this disk resides in Drive 1, and the applicable data disk in Drive 0. The entire set including #77.11 is \$24.00 including a package of 10 blank OPUS disks lest you be tempted to run on the originals -- make duplicates and run on them!

### GOLD COAST INSTRUCTIONAL

CBUG #78

\$9.00

#12045

from: Fred Peterson, esq.

This compilation of program and sequential files is submitted for CBUG use as an aid to a better understanding of the abilities of the B-128 machine.

As with all inanimate objects, you get back only what you put in - garbage in, garbage out!

The Compiler is an absolute neophyte in the computer world and these feeble attempts should therefore be reviewed with compassion. It was learned a long, long time ago that it is far better to profit by the works of others whenever possible rather than "re-inventing the wheel" a hundred times or more. As progress in basic programming is being slowly made, it has been found extremely helpful to keep on hand some "archive" disks containing various and sundry programming functions for easy reference when attempting a new project.

Hope these "golden nuggets" will prove of some help; incidentally, it's always an excellent idea to 'list' all programs and trace the workings to see how the end result is accomplished.

0	"GOLDCOAST Progs "	01	2c	disk name	4	"jandoc87d+"	seq	The remainder of these SS2 SPREADSHEET files
1	" loader"	prg		Loads 'bootscrn' and 'instscrn'.	5	"jandoc87pc+"	seq	have been designed to give you a modified
8	" bootscrn .scn"	prg		Hello there!	5	"sumdoc87r+"	seq	version of the expanded spreadsheet program
8	" instscrn .scn"	prg		Brief introductory instructions.	4	"sumdoc87d+"	seq	for use with a printer accomodating only
i	" menu"	prg		Main menu - choose your program.	4	"sumdoc87pc+"	seq	8-1/2x11 inch paper. All totalling is done
4	" directory "	seq		Automated - add more progs to disk and press 'd'.	5	"sumdoc87t+"	seq	automatically, but it is still necessary to
1	"-----"	seq		separator	6	"janbkdocrec87+"	seq	manually type monthly totals to the summary
6	"disk contents+"	seq		What you are now looking at.	1	"##### "	prg	separator
2	"-----"	prg		You can 'load' and 'run' this for brief	1	"---training---	prg	ditto
				comments.	35	"learn"	prg	A math-typing program, ages 5 to 95.
1	"-----calendar-----"	seq		separator	12	"synonym/antonym"	prg	Learn your 'likes' and 'opposites'.
1	"SS2 CALENDAR"	seq		ditto	7	"flow chart"	prg	A fundamental of programming.
13	"instructions+"	seq		How to use all the SS2 CALENDAR sequential	1	"timing loop"	prg	These small programs, with the exception of

27	"!!--NOTICE--!!!"	seq	User CAUTION notice - please read carefully.	2	"manipulate"	prg	the 'selection menu' (an example mini-menu
20	"31/sat+"	seq	Beginning of the fundamental SS2 CALENDAR files.	2	"draw"	prg	program) are all part of an archive
20	"30/sat+"	seq	>	1	"timer test"	prg	collection for use or illustration, in
20	"29/sat+"	seq	> saturday	5	"arrange alpha"	prg	simple basic programming to aid in an
20	"28/sat+"	seq	>	2	"controlled loop"	prg	avoidance of 're-inventing the wheel'.
20	"31/fri+"	seq	>	2	"code"	prg	For the most part the program name is self-
20	"30/fri+"	seq	> friday	1	"animation"	prg	explanatory.
20	"29/fri+"	seq	>	3	"ranking"	prg	Enter names & scores - puts in order.
20	"28/fri+"	seq	>	9	"selection menu"	prg	(see above comment)
20	"31/thu+"	seq	>	1	"ftn example1"	prg	This deals with the 'for..to.next' command.
20	"30/thu+"	seq	> thursday	1	"ftn example2"	prg	ditto
20	"29/thu+"	seq	>	1	"ftn example3"	prg	ditto
20	"28/thu+"	seq	>	2	"array1"	prg	
20	"31/wed+"	seq	>	1	"array2"	prg	
20	"30/wed+"	seq	> wednesday	1	"read data prog."	prg	
20	"29/wed+"	seq	>	2	"arrange numo"	prg	Puts list of numbers in numerical order.
20	"28/wed+"	seq	>	1	"strange numbers"	prg	Just run.
20	"31/tue+"	seq	>	1	"come together"	prg	ditto
20	"30/tue+"	seq	> tuesday	1	"chop decimals"	prg	
20	"29/tue+"	seq	>	3	"animation++"	prg	Load and run this and the other animation
20	"28/tue+"	seq	>	2	"sample array #1"	prg	programs
20	"31/mon+"	seq	>	2	"sample array #2"	prg	
20	"30/mon+"	seq	> monday	3	"varied meals"	prg	Plans varied meals for the week.
20	"29/mon+"	seq	>	1	"nested loop"	prg	
20	"28/mon+"	seq	>	1	"tab by variables"	prg	
20	"31/sun+"	seq	>	2	"stop goto loop"	prg	
20	"30/sun+"	seq	> sunday	1	"subscript sample"	prg	
20	"29/sun+"	seq	>	1	"timing test1"	prg	Timer demo.
20	"28/sun+"	seq	>	1	"timing test2"	prg	ditto
1	"-----"	prg	separator	1	"timing test3"	prg	ditto
20	"janca188+"	seq	These are the <u>linked</u> monthly files	2	"double sub array"	prg	
20	"febca188+"	seq	for an entire year.	1	"practice gosub"	prg	
20	"marca188+"	seq		3	"ranking1"	prg	Similar to 'ranking' - handles up to 100 items.
20	"aprcal88+"	seq	They were generated by using the above	1	"branching"	prg	
20	"mayca188+"	seq	fundamental files and are joined by the	1	"a nested loop"	prg	
			'lk' command.	2	"nested loops"	prg	
20	"junca188+"	seq		3	"margins"	prg	A letter written without 'word processor' help.
20	"julca188+"	seq	Now to acquire your very own personalized	1	"animation+"	prg	
20	"augca188+"	seq	calendar for an entire year - you have only	2	"animation k"	prg	
20	"sepcal88+"	seq	to call month; fill in known holidays,	2	"alpha/print"	prg	Will alphabetize and print the list.
			birthdays, anniversaries, other events and	12	"seq read/print"	prg	A convenience for seeing the seq files
			expected appointments. After saving these				without SS.
20	"octca188+"	seq	using the 'F13' key, print with 'Esc-O-L-P'	1	"draw graphics"	prg	
20	"novca188+"	seq	(linked file is 'janca188'). You can 'load'	1	"clear screen"	prg	Simple program when 'clear' key won't do
20	"decca188+"	seq	and 'run this for brief comments.				the job.
2	"++++++"	prg	separator	1	"graphics/confit1"	prg	graphics programs - run to see.
1	"--spreadsheet--"	seq	separator	3	"fpi logo-d"	prg	ditto
1	"SS2 SPREADSHEET"	seq	ditto	2	"graphics ways-d"	prg	ditto
22	"explainlet+"	seq	This detailed letter explains how SS2	1	"sine name-d"	prg	ditto
4	"jandoc86r+"	seq	SPREADSHEET was conceived and how you can	1	"cosine name-d"	prg	ditto
5	"jandoc86d+"	seq	adapt it to small business or personal needs.	1	"mod name-d"	prg	ditto
5	"jandoc86pc+"	seq		2	"mean score"	prg	Delivers the 'mean score' from the bunch.
5	"sumdoc86r+"	seq	In spreadsheet fashion, it will keep a	7	"powers of x"	prg	Simple math program.
4	"sumdoc86d+"	seq	detailed monthly and yearly record of every	1	"squares of x"	prg	ditto
5	"sumdoc86pc+"	seq	penny you get and every penny you spend.	1	"squares of xtoy"	prg	ditto (no, that's not a 'toy', it's x to y)
5	"sumdoc86t+"	seq		2	"sines"	prg	ditto
6	"janbkdocrec86+"	seq	This is a bank reconcillation document.	2	"cosines"	prg	ditto
4	"jandoc87r+"	seq		2	"tangent"	prg	ditto
				2	"logarithm"	prg	ditto

897 blocks free.

FALL 1987 PRINT FILES

CBUG #79

\$9.00

#12168

As usual, the print files of the library and articles and some other material of this issue of THE ESCAPE.

1	"articles fall"	87	2c	18	"technique"	seq	39	"2irq"	seq	2	"79"	seq
27	"matos"			49	"unnew"	seq	102	"3irq"	seq	18	"80"	seq
2	"12pt 60col 88"			9	"screen"	seq	134	"4irq"	seq	27	"81"	seq
19	"wright"			10	"example"	seq	43	"5irq"	seq	20	"p11"	seq
37	"northrup"			13	"8050 fix"	seq	5	"6hilo"	seq	27	"p12"	seq
6	"northrup2"			14	"data cards"	seq	13	"7assembler"	seq	15	"p13"	seq
19	"schmidt"			10	"comp goto"	seq	35	"schwarzbauer"	seq	13	"p14"	seq
106	"swan tutorial"			25	"input"	seq	34	"scratch"	seq	21	"table of content"	seq
12	"hojt"			13	"questions"	seq	11	"library lead"	seq	8	"keytrix bug"	seq
35	"unit to unit"			14	"corner"	seq	25	"72"	seq	19	"deprotect"	seq

22	"belt"	seq	6	"90xx prep"	seq	30	"73"	seq	39	"order form 2 012"	seq
8	"smart"	seq	94	"icpug"	seq	6	"74"	seq	26	"order form 1 018"	seq
8	"reverse"	seq	78	"ss rev"	seq	13	"75"	seq	9	"top front cover"	seq
19	"defaultkey"	seq	21	"template"	seq	126	"76"	seq	17	"cabs payroll upd"	seq
6	"settings"	seq	16	"ss2 bug"	seq	24	"77"	seq	32	"!!--NOTICE--!!"	seq
19	"restoration"	seq	96	"faieron"	seq	42	"78"	seq	118	blocks free.	
21	"raid"	seq	98	"cpu"	seq	9	"p15"	seq			

GOCELIAC'S GOLDMINE #0588

CBUG #83

\$14.00

2714

#13028

There is nothing I can possibly add to Mr. Goceliak's detailed anotated directory and polished articles.

```

6  "menu program"      prg  shift/runnable way to execute disk's files in b or drive
8  "menu pgm.ins"     seq  instructions on 'how to' use the menu program
0  "-----"          del
2  "read instruction" prg  basic pgm called if needed to quick-read any instructions
0  "-----"          del
5  "dumper demo"      prg  basic program to demonstrate some of screen dump's tricks
35 "dump screen.ins"  seq  SS II file detailing how to use dumps in your programs
1  "screen dump 1792" prg  m/l code. version for those wjth no added bank 15 memory
1  "screen dump 6b00" prg  m/l code. version for those with added bank 15 memory
8  "test screen"      prg  a demonstration screen with "the works", dumped by demo
0  "-----"          del
19 "autolink.ins"     seq  SS II file telling how to use the files below
    seq.gen" prg  basic programs generate the linking files without 2 drives
13 "undolink seq.gen" prg  (If you have only sfd's, use this instead of 'copyd1tod0')
3  "&autolk0seq.imm"  usr  allows reversible, fast disk-wide SS II search&replace
2  "&undo autolk.imm" usr  this file reverses the rename and link performed by &auto*
0  "-----"          del
19 "4023 'bug'.ins"   seq  bugs are small. I needed a microscope to find these
3  "4023 bug demo"    prg  basic pgm. by running this you should see 'em without aid
0  "-----"          del
13 "dir reorder.ins"  seq  'documentation' for self-documenting pgm below
21 "dir reorder"      prg  shuffle filenames in directory at will with this pgm
0  "-----"          del
20 "ti$ vagueries"    seq  or why you shouldn't bet ti$ is right
3  "disk speed test"  prg  a non-destructive speed test. makes no disaster tracks!
3  "wp tester 80xx"   prg  real quick way to test your write-protect sensors
6  "test read disk"   prg  drv out of whack? disk out of whack? can they work together
0  "-----"          del
1  "4 col directory"  prg  just to see how much fits in a one-block program.
0  "-----"          del
1  " "                del
1  "cp/m-86 section"  del  the following three fi.. sections pertain to cp/m-86
1  " "                del  ALL *.INS FILES ARE IN SUPERSRIPT II, NATIVE MODE!
12 "native 2 cpm.ins"  seq  how to convert pre-release 8,9,10 into cp/m-86 formats
16 "cpm disk convert" prg  basic program that converts 'em
2  "&cpm convert2"    usr  disk drive pgm automatically called by above
0  "-----"          del
16 "cbm_cpm dir.ins"  seq  how to see a cp/m-86 directory without needing to boot-up
12 "see cpm imm.gen"  prg  basic pgm generates the 'cp/m-86 dir viewer file'
0  "-----"          del
6  "8050 cp/m layout" seq  SS II instructions show what the chart below means
7  "cp/m 8050 layout" prg  prints out a one-sheet map of exactly where any file is
0  "-----"          del
1  " "                del  this ends the cp/m-86 section.
1  " "                del
9  "backup bug -mine" seq  otherwise known as I blew it, but here's how to fix it
1  " "                del
1  " "                del
0  "-----"          del
24 "8050disks on sfd" seq  SS II instruction file to make sfd/8250 bam compatible
1  "&pseudo 8250 bam"  usr  disks from an 8050 drive using this &file
0  "-----"          prg
12 "blurb"            seq  thats this.
1722 blocks free

```

This disk may be upgraded as described in the .ins files in the cp/m-86 sec files are copyright 1988 by A. Goceliak.



1	" loader"	prg	loads the introductory screens and the mastermenu.	64	"autoexp analysis"	prg	Another accounting gem. Keep track of just how much the 'ole lizzy' is costing you.
13	"Masterdirectory"	rel	A support file for the mastermenu.	23	"address book"	prg	This really doesn't belong with the accounting programs - it jwst slipped in the wrong slot. But it is a good program to have handy.
8	" bootscrn .scn"	prg	The introductory screens.				
8	" instscrn .scn"	prg					
8	"boot1"	prg					
36	" mastermenu"	prg	Author is "guru" Mathew Goldstein.	9	"mtg. comparisons"	prg	Two more "super" accounting programs - lets you pick the mortgage that's right for you and helps you decide about that debt payment.
48	"mastermenu.instr"	seq	Instructs on the use of the mastermenu; written by Mat Goldstein.	10	"loan debt paymnt"	prg	Want to know exactly how many days until your anniversary? This gives you the answer. I'm sure "sweetie pie" wants you to know!
	"	"	spacer	11	"days twix dates"	prg	PLEASE READ. It will make you aware of the rules regarding acquisition, submission, usage and dispensation of computer programs.
2	"i-----i"	prg	spacer	17	"envelope address"	prg	Another one that kinda slipped in here; however I've left it as it is an easy way to multi address envelopes in basic (prints upper/lower).
12	"INTRODUCTION"	seq	Please read first. Much data about the whys and wherefores of the various programs included on this disk.	7	"loan analysis"	prg	More on "loans". Get comparisons.
29	"!--NOTICE--!!!"	seq	PLEASE READ. It will make you aware of the rules regarding acquisition, submission, usage and dispensation of computer programs.	27	"conversion chart"	prg	Very handy - gallons to liters , etc.
1	"u-----u"	prg	spacer	14	"loan repay/print"	prg	How long should it take to pay off that loan at "x" interest , etc.
1	" UTILITIES "	prg	dummy header	42	"varied acctgprgs"	prg	If you haven't found the accounting help you need try this bunch.
6	"startup.instr"	seq	Tells about the "startup" program - how to use it and what it can do for you.	13	"utilities audit"	prg	Keep those utility companies in line!
9	"startup"	prg	Helpful when entering a new program or revising an old program.	1	"g-----g"	prg	spacer
28	"f-key template"	prg	A prior Cbug submission (revised to fit better over the function keys). This program permits personalized templates for different functions.	1	" GAMES "	prg	dummy header
				23	"baccarat"	prg	Ever play this one? Good instructions! You'll find you are playing with "B 128" cards!
27	"fkey template.ss"	seq	This is the help-mate to the "f-key template" program - with full instructions.	16	"baseball"	prg	Yup - honest to goodness baseball, although a little limited. Needs work.
2	"prog helps.temp"	seq	These are two of the personalized templates - one for use with the "startup" program and the	3	"black and blue"	prg	Makes you say "black".
2	"mastermenu.temp"	seq	other for use with the "mastermenu" program.	19	"blackjack"	prg	This is an "oldie", but one of my favorites - play at the Butterfield Social & Recreational Club and wait for the "cutie" to arrive!
7	"renumber"	prg	Excellent when you've completed or are working on a program and find you need greater number spacing between the lines.	22	"dragon"	prg	Careful - the DRAGON will get you.
10	"copy"	prg	A fantastic utility program which allows transfer of one or more or all programs from one to another disk, with alphabetization or pattern arranging if desired.	6	"fortune teller"	prg	Do you believe? Try it.
7	"file unscratch"	prg	Who hasn't inadvertently "scratched" a program? Let he who is without sin cast the first "unscratch"!	13	"freedom"	prg	Tough to gain it - you keep adding days!
53	"unutilized basic"	prg	A program recently submitted by Mr. Goldstein that tells you what is there, but unnecessary.	5	"guess in 7 tries"	prg	Easy little program. You can beat this one.
	"	"		22	"inspector clewso"	prg	The great, the one and only, French INSPECTOR CLEW-SO!
7	"dir two col ptr"	prg	Does just what it says - prints the disk directory in side by side columns. Recommended for every new disk - keep the printout in the disk jacket.	27	"king"	prg	Has been seen under different names, but slightly changed. Don't lose an eye!
14	"double col ptr"	seq	This allows "newspaper" like printing - see my "prospectus" program for an example.	26	"matador"	prg	Try your expertise as a "bull fighter".
28	"labels"	prg	Not a replacement for the great Superbase labels program, but most useful for single or multiple printings in any	12	"not so easy"	prg	A test of your reading skill!
				72	"oregon trail"	prg	Stop at the forts - watch out for the "injuns".
				25	"pro football"	prg	Yup, football at its finest. You call all the plays for your favorite team as both the Quarterback and the Defensive Captain. Two full haves, with two minute warnings.
				17	"psyc test"	prg	You'll enjoy this one - maybe!
				24	"solitaire-super"	prg	My favorite way to play solitaire.
				91	"super star trek"	prg	Never have been able to win,

		number, and - right from basic!				but I keep trying.
16	"labels instr."	prg	These two programs clearly explain the use of	12	"synonyms"	prg Try this one for "likes" and "unlikes".
54	"labels2 instr."	seq	the "labels" program. Read them first.	12	"tic tac toe"	prg Another version of an old game.
26	"home video"	seq	This is a fantastic idea discovered by Rev. Mark Schwartzbauer. Try it - it really works.	18	"tic toc tac toe"	prg Complicated - don't let that Computer beat you!
15	"screen ed - bug"	prg	One or more of these programs are needed when you work on your "home video" presentation. Practice makes peerfect!	11	"tnt slot machine"	prg Another version of "slots".
7	"screen ed - cbug"	prg	spacer	6	"toss of coin"	prg How many times will it be "tails"?
1	"a-----a"	prg	dummy header	58	"trucker"	prg Carry the load cross country and win, but watch out for "smokey".
1	" ACCOUNTING "	prg	dummy header	26	"vegas craps"	prg This is the true craps game - gives you anl the options.
3	"adding machine"	prg	Adds 'em and gives you the results.	116	"will o' the wisp"	prg This oldie's good for an afternoon or evening of entertainment.
7	"finance prog"	prg	An example program written by my daughter, Lynn Bonner.	25	"wumpus"	prg If the "wumpus" don't get you, the "bats" or the "bottomless pits" may!
3	"savings growth"	prg	Try it - you'll like it!	1	"t-----t"	prg spacer
3	"compound int."	prg	ditto for the next three accounting programs - they very nicely give the answers.	1	"-----"	seq spacer
2	"cost of purchase"	prg	Want to know how long it will take for your next auto trip	3	" THEORY "	prg header, but with some comments.
12	"income property"	prg		15	"anti-gravity"	seq This is my theory. Please read this and the next program and give me your vthoughts!!
2	"speed vs. time"	prg		15	"prospectus"	seq
				1	"dc-----dc"	prg spacer
				1	"-DISK CONTENTS-"	prg dummy header
				49	"disk contents+"	seq What you've just finished reading.
				463	blocks free	

GOLDCOAST TUTORIAL

CBUG #86

\$14.00

2721

#13052

By: Fred Petersen

This is the second Goldcoast Instructional program submitted for CBUG use as an aid to a better understanding of the abilities of the B-128 machine. <<AND certainly should have been done 10 years ago to be available with every computer sold!>>

The entire disk this time is directed toward a "tutorial" compilation which instructs in the very basic of basics. It deals with the common and frequently used Commands and Statements; explains and, in most cases, illustrates what they accomplish.

The program is targeted on the uneducated in the world of basic language computing and is probably of little value to the advanced student. Any and all constructive criticism by those who study or simple read this work will be most appreciated.

Hope these additional "golden nuggets" will be found helpful.

<<Fred has put in one place quite a collection of easy to understand programming instructions, easy examples of menu construction, special effects, scrolling, etc. Fully enough that virtually any amature can in but a few hours get the "basic" "hang" of it all. In a few more hours (figuratively), you'll be able (by the examples on this disk) to apply fully operational menus, scrolling, borders, and other "professional" touches to your own programs.>>

AND, this is a fun disk. Fred has taken a very light and humorous touch to making common sense out of programming. The 23 sections are subtitled to help make sense out of the basic command. For example, "Line Number - or Address & Zip Code;" "Print - or Show Me." Each are followed with a paragraph or three of easy explanation. Many have example programs to assist the learning process.>>

0	"GOLDCOAST Progs "	02	Disk name.	10	"basic17"	prg
2	" loader"	prg	Loads bootscrn, instscrn, the seven boot screens and the initial menu.	13	"basic18"	prg
8	" bootscrn .scn"	prg	Introductory screens.	12	"basic19" "	prg
8	" instscrn .scn"	prg		13	"basic20"	prg
8	"boot1"	prg		13	"basic21"	prg
8	"boot2"	prg		9	"basic22"	prg
8	"boot3"	prg		13	"basic23"	prg
8	"boot4"	prg		1	"animation"	prg Here begin the "illustration programs" each of which can be individually loaded and run.
8	"boot5"	prg		2	"depreciation"	prg
8	"boot6"	prg		3	"address list"	prg
8	"boot7"	prg		2	"deviation"	prg
5	" menu"	prg	Sets up the two main portions	3	"ranking"	prg

		of the program and explains how it can be studied.	3	"word game"	prg	
9	"menu"	prg This menu controls the loading and running of the 24 "basic" Sections of the program. These Sections, along with the 6 illustration programs are the example portion of the entire presentation.	27	"!!--NOTICE--!!!"	seq	User warning notice - PLEASE READ CAREFULLY!!!
122	"introduction"	prg This is the narative presentation. It tells about the computer and its basic functions and then goes on to describe, in some detail, the reasons for and the uses allocated to the various commands and statements, etc.	24	"disk contents+"	seq	What you are now reviewing.
3	"basic0"	prg Explains how to proceed through "basic1" to "basic23" and the 6 illustration programs.	5	"scroll"	prg	A further "demo" of the B's abilities depicting a message for the user.
13	"basic1"	prg Self-explanatory "Sessions" regarding the various	5	"marquee"	prg	An "accolade" to all those who have completed a review of this "tutorial" program!!!
13	"basic2"	prg Commands, Statements, etc. used in basic	7	"startup"	prg	A brief program, written in basic, which mainly sets the Functions Keys for practical use in programming.
12	"basic3"	prg programing - with some animation.	7	"flow chart"	prg	Designed as an initial aid in planning a program.
12	"basic4"	prg	10	"fkey template.ss"	seq	Explains how to create, edit, save and print out your personalized Function Key template.
12	"basic5"	prg	2	"prog helps"	seq	A template designed for the "startup" program.
8	"basic6"	prg	28	"f-key template"	prg	The basic program which allows creation of your personalized Function Key template.
12	"basic7"	prg	1	"-----"	seq	divider
12	"basic8"	prg	7	"!!read me last!!"	seq	Words of Wisdom for those who really aspire (and probably also perspire) to become seasoned "dyed in the wool" programmers.
12	"basic9"	prg	12	"seq read/print"	prg	A convenience for reading the sequential files on this disk without the benefit of SS2.
13	"basic10"	prg	9	"finale"	prg	Provides an easy way back to user selected portions of the entire program. Also some more helpful "WORDS OF WISDOM".
11	"basic11"	prg				
12	"basic12"	prg				
10	"basic13"	prg				
12	"basic14"	prg				
13	"basic15"	prg				
14	"basic16"	prg				

WINTER 1988 PRINT FILE

CBUG #87

\$9.00

#13085

The text files to typeset this issue of The ESCAPE.

1	"winter88comp	" w8 2c	94	"pawlus"	seq	7	"g.8050 cp/m"	seq	16	"83"	seq
32	"!!--NOTICE--!!!"	seq	45	"8432"	seq	25	"g.8050/sfd"	seq	13	"84"	seq
23	"scratch"	seq	26	"fake"	seq	11	"g.bug"	seq	61	"85"	seq
38	"liz"	seq	9	"g.menu"	seq	14	"chick"	seq	32	"86"	seq
8	"liz hist.n"	seq	35	"g.dump"	seq	14	"easynews"	seq	25	"pr16"	seq
16	"woessner"	seq	20	"g.search"	seq	14	"easylessons"	seq	22	"pr17"	seq
39	"faust"	seq	20	"g.4023"	seq	7	"west"	seq	7	"87"	seq
136	"swan"	seq	13	"g.dir"	seq	13	"east"	seq	24	"library lead"	seq
35	"jarvis/springer"	seq	21	"g.ti\$"	seq	14	"wright"	seq	979	blocks free.	
10	"jarvis/next"	seq	13	"g.converting"	seq	22	"hints.tips"	seq			
22	"univ.tran"	seq	16	"g.native dir"	seq	66	"82"	seq			

GOCELIAK's GOLD MINE #0788

CBUG #88

\$19.00

2802

#13098

As usual, Mr. Goceliak offers more and more important discoveries and insights. The Mr. Ed program is reported to be the most advanced disk doctor type program yet written for any Commodore machine! While no one except a dealer would likely have 27 disk drives, Tony shows us how to boot up as many as we do have each with its own device number. AND, true to form, more truly valuable test programs. Many of the instruction files are printed this issue

34	"mr. ed"	advanced b series disk editor - any ieee drive
48	"mr. ed.ins"	documentation file for above
0	"-----"	
2	"&reback0 to 1"	four files to produce backups much more quickly
2	"&reback 0to1+"	from drive 0 to drive 1
2	"&reback1 to 0"	or from drive 1 to drive 0
2	"&reback 1to0+"	optimized for minor or major disk changes
2	"&certify bac+"	a way to tell if a 'backup' disk is up to date
36	"reback files.ins"	documentation for above disk programs

```

0  "-----"
1  "&drv adr #4"    a series of disk programs to alter the unit #
1  "&drv adr #5"    with instructions on how to configure an
1  "&drv adr #6"    arbitrary number of drives all powering up
1  "&drv adr #7"    as unit number 8 with a single command from
1  "&drv adr #8"    you.
1  "&drv adr #9"    1    "&drv adr #20"
1  "&drv adr #10"   1    "&drv adr #21"
1  "&drv adr #11"   1    "&drv adr #22"
1  "&drv adr #12"   1    "&drv adr #23"
1  "&drv adr #13"   1    "&drv adr #24"
1  "&drv adr #14"   1    "&drv adr #25"
1  "&drv adr #15"   1    "&drv adr #26"
1  "&drv adr #16"   1    "&drv adr #27"
1  "&drv adr #17"   1    "&drv adr #28"
1  "&drv adr #18"   1    "&drv adr #29"
1  "&drv adr #19"   1    "&drv adr #30"
13 "drive unit adrs" documentation for above.
0  "-----"
7  "90xx test pgm"  a way to detect whether it's time to re-header
                        a hard drive by sensing read degradation.
12 "90xx testing.ins" documentation for above.
8  "80xx test pgm"  a similar program adapted to floppy drives
5  "80xx testing.ins" documentation
0  "-----"
14 "runmode auto-vfy" a way to ensure that the basic program you
                        just loaded was CORRECTLY loaded without fuss.
5  "test read 40vfy" demo program of above technique
0  "-----"
8  "9090prot cpm.gen" If you have a hard disk and run cp/m you need it
10 "9090prot cpm.ins" documentation file for above
0  "-----"
1  "more articles"
27 "duplicate fnames" how to use duplicate filenames and why.
4  "dos sort number2" additional use for the 'uncommon sort'
9  "no name files!"  how to create and use files with no name at all.
38 "my new pup"      programming pups not pets
0  "-----"
1  ""               the no - name demo file to dload and run
0  "-----"
11 "blurb"          this file
1722 blocks free.

```

SYNTAX CHECKER - PLUS

CBUG #89

\$26.00

2812

#13118

By: Mathew Goldstein

This disk, CBUG #89 also includes the entirety of CBUG #90 as well without additional charge.  
The SYNTAX Checker program is explained in great detail in an article this issue (Vol 11, Spring 1988)

Some additional comments:

'Mastermenu v2.3' now includes commands to alphabetize the menu and to compare the contents of the menu with the disk directory. It could be improved, if anyone is interested and up to the challenge, by using customized m/l subroutines to speed up directory reading and directory alphabetizing.

I thought it a good idea to have a second, small menu program that is compatible with 'Mastermenu' which loads files only. The first file on your disks should now be 'Midgetmenu2.3/c' followed by 'Mastermenu' and '+print screen'. To initially set up your disk run 'Mastermenu' (see the instruction file). From then on you can start with 'Midgetmenu'.

'compressor.mg' will add ':else' tokens to terminating 'if ... then ...' statements for more thorough compacting. It could be further improved by dropping unnecessary repetition of 'print', 'print#', and 'data' statements on the same line that occur as a result of combining consecutive lines. Also unnecessary semicolons in print statements and unnecessary paranthesis in string or numeric expressions could be removed. For best results when using the 'compressor.mg.gb' program, first use 'uncompact' (CBUG

'basic compare.mg' accurately displays the actual differences, if any, in two programs. 'f-key saver.mg' uses memory addresses to efficiently save the f-keys without affecting the screen display. 'optimal value' uses linear programming techniques and does limited what-if analysis. 'underflow' detects an underflow condition for computer multiplication and division which can be very useful. 'dekker.sample' runs on the 8432/e emulator and demonstrates an implimentation of dekker's algorithm for mutual exclusion when running two concurrent processes.

You will know that you BASIC programs are syntactically correct when you own 'BASIC 4.0 syntax'. You will be satisfied with this fine program, which can be purchased through CBUG for the bargain price of \$26. 'BASIC 4.0 syntax' will also optionally search for unutilized lines. Do not rely on my previously published public domain program 'unutilized BASIC' which is flawed.

If you own a compiler it is a good idea to run 'BASIC 4.0 syntax' on programs which you are going to compile, before you compile. You will save time by compiling to completion the first time and avoiding unnecessary re-compilation. The Petspeed compiler is very good despite it's assorted

#4 and #32) and then compress the uncompact program. Try compressing "%checkbook v3.3" and other long BASIC programs to reduce loading time.

If you encounter two alternative ways of programming a routine use the stopwatch feature of 'alarm clock.mg' to find which routine is most efficient. Or keep the alarm clock running to give your eyes and back a periodic change of pace.

1 "BASIC 4.0 syntax" 1d 2c	61 "basic comp.mg.gb" prg	4 "dekker2.sample" prg	14 "Comments.mg" seq
12 "Midgetmenu2.3/c" prg	11 "compare dir's.mg" prg	4 "dekker1.sample" prg	46 "BASIC syntax.ins" seq
1 "+print screen" prg	1 "f-key saver.mg" prg	47 "tableofss2graphi" seq	33 "checkbook3.3.ins" seq
1 "B syntax loader" prg	3 "day from date.mg" prg	127 "BASICSyntaxbatch" prg	37 "Master2.3.ins" seq
129 "BASIC 4.0 syntax" prg	32 "optimal value.mg" prg	7 "Masterdirectory" rel	1 "Bsyntbatchloader" prg
6 "alarm clock.mg" prg	6 "checkbook v3.3" prg	68 "Mastermenu v2.3" prg	1144 blocks free.
62 "compressor.mg.gb" prg	185 "%checkbook v3.3" prg	1 "From.mg" seq	
1 "+alrm clck.f0400" prg	2 "underflow" prg	6 "Annotation.mg" seq	

flaws. A better compiler would allow for optional run time array bounds checking, facilitate interfacing compiled subroutines to BASIC programs, provide better error detection and notification during compilation and at runtime, provide speed/size optimization options, and be capable of compiling all BASIC 4.0 code without exception. What we really need, though, is a compiler for another programming language such as C++ or LISP or Modula-2 or PROLOG. The 'B' is a solid machine, but its full potential cannot be realized without better programming language support.

**GOLDSTEIN's ASSORTMENT**

**CBUG #90**

**\$9.00**

**2811**

**#1122**

By: Mathew Goldstein

See the descriptive text in the listing above for CBUG #89 regarding these programs. Also, note the abridged reprint of "tableofss2graphi" in the article section of this issue.

12 "Midgetmenu2.3/c" prg	fast, Mastermenu compatible	37 "Master2.3.ins" seq	for people who like indexes
68 "Mastermenu v2.3" prg	the disk management utility	39 "syntax article" seq	for people who like grammar
10 "basic compare.mg" prg	see if 2 progs are the same	47 "tableofss2graphi" seq	for people who like to draw
61 "basic compare.gb" prg	this is same but different	18 "program review" seq	to review or not to review?
6 "checkbook v3.3" prg	your computer will itemize,	4 "dekker1.sample" prg	mutual exclusion algorithm
185 "%checkbook v3.3" prg	reconcile, sort, edit, ...	4 "dekker2.sample" prg	for 2 concurrent processes
11 "compare dir's.mg" prg	2-way directory comparisons	1 "f-key saver.mg" seq	save the f-keys efficiently
18 "compressor.mg" prg	bigger progs are not better	6 "alarm clock.mg" prg	rest your eyes five minutes
62 "compressor.mg.gb" prg	but compiled sure is quick	1 "+alrm clck.f0400" prg	after each hour on the VDT
3 "day from date.mg" prg	the Gregorian number system	2 "underflow" prg	division and multiplication
32 "optimal value.mg" prg	for people who like profits	14 "Comments.mg" seq	about programs on this disk
33 "checkbook3.3.ins" seq	for people who like cheques		

**GOLD COAST GANDER**

**CBUG #91**

**\$10.00**

**2813/14**

**#13137**

By: Fred Peterson, esq.

This is the fourth Goldcoast submission - this time in the form of two (2) related disks.

The disks are identified as "Master" and "Support" disks.

The "Master" disk, as its name implies, includes a reference to all programs.

The "Support" disk was found necessary to run those programs which must use the 8032 emulator mode.

These latter programs are all identified by an exclamation point (!) as a part of each program name. The "master" disk carries each of them for "Background and Instructions" or for "Information" and specific guidance is included with each such reference regarding the procedure which must be carefully followed to "run" them.

Nearly all these programs were initially distributed by a User Group known as "Cursor" during the late 1970's and early 1980's. Although they remain copyrighted material, permission has been obtained for CBUG use.

Others included are believed to be "public domain" material.

Specific reference is made to one program which I have named "mini 2 col dir".

This is a modification of the old "2 column dir prt" or "dir 2 column ptr" program and it permits a miniature directory of two columns to be printed and affixed to the disk jacket for ready reference of all programs on each disk. No need to ever again have paper printouts of all those programs that become so hard to find when needed!

There is still a great deal of material available to be reviewed and adapted for 8050 drive and B-128 computer use.

As time permits, I hope to continue these conversions as I find I also learn much from this work and so many of the programs are instructive and useful for every day help or are just plain "fun" games!

This is all material that was initially written for the various and sundry "Pet" machines and should be convertible for Cbug use.

Some of the "hurdles" still to be overcome are solving the programs which contain many "pokes and peeks" - not to mention those which are written almost entirely in "machine language".

Well, it's a "labor of love" or something like that - I would be much encouraged to hear from even one of you out there about the wisdom of continuing this conversion as it does take many hours to complete.

Now, here's the annotated directory:

NOTE: Those titles ending in an exclamation point "!" must be run in conjunction with the second (Support) disk.

0	"golddisk	" 04 2c	disk name	9	"big time"	prg	a B I G watch!
6	"introduction"	prg	animated initial screen.	26	"mad"	prg	no - this is not "mothers against drugs" it concocts wild and crazy stories.
2	"loader"	prg	controls loading of the following introductory screens and the "menu".	10	"estimate"	prg	guess the length or area.
8	"bootscrn .scn"	prg	the introductory screens.	28	"mind"	prg	guess the color pattern.
8	"instscrn .scn"	prg	ditto	17	"hman"	prg	NOT "hangman" - just a good word guessing game, without the "noose".
8	"instscrn2 .scn"	prg	ditto				
6	"menu"	prg	control for all "prg" files.	29	"chisanbop"	prg	the Korean method of counting to 99 by using only finger values.
3	"directory"	seq	assist to "menu" file.				
19	"mini 2 col dir"	prg	prints a miniature directory to fit on a disk jacket.	25	"blackjack"	prg	the old "Vegas" standby.
7	"pick a card"	prg	just like the magicians do it.	23	"funny faces"	prg	be a police artist - draw all kinds of faces.
8	"draw poker"	prg	one of the "vegas" machines.	60	"miser"	prg	an adventure game with good instructions.
2	"correct time"	prg	a "mini" digital clock.	4	"skeet!"	prg	instructions for hitting the birdie
10	"books of bible"	prg	can you name 'em all?	18	"drone!"	prg	instructions for flying a pilotless plane
25	"market"	prg	competition between two companies selling the same product.	6	"duel!"	prg	instructions for this dice game
16	"bible quiz"	prg	how well do you know your Bible? Select either "fill in" or multiple choice".	7	"voz!"	prg	instructions for this chess piece identification game
19	"maze"	prg	escape, if you can!	18	"stop!"	prg	instructions for this stop sign capture game
20	"hurkle"	prg	for kids (of all ages) - find the "hurkle" hiding in a number field.	5	"blasto!"	prg	instructions on how to knock out the mines
30	"bet high card"	prg	play against your "buddies" - with pictures!	5	"lawn!"	prg	instructions for how to mow a lawn
33	"rocks"	prg	an African game.	6	"tank!"	prg	instructions on how to destroy the enemy tanks
22	"joust"	prg	can your knight beat my knight?	10	"ram!"	prg	instructions to lead your troops into enemy land
20	"cryptogram"	prg	solve a "cryptic" message.	3	"hawaii!"	prg	cartoon animation
11	"trendline"	prg	does analysis and forecasting, both "straight line" and "growth cycle".	3	"dromeda!"	prg	an alien arrives on earth (cartoon)
27	"finance prog"	prg	computes: savings interest, home or car payments, mortgage pension payments.	3	"dance!"	prg	an indian rain dance (could use it!)
	tables and			3	"flight!"	prg	Canadians land on the moon
15	"m/l code reader"	prg	save machine code as data statements as an adjunct to an assembler.	7	"racer!"	prg	follow the yellow brick road, but don't have a wreck
34	"pricer"	prg	estimates job costs.	7	"ambush!"	prg	destroy the forests and isolate the enemy General
11	"plotter"	prg	plots differing variables.	27	"!---notice--!"	seq	<u>PLEASE READ.</u> It will make you aware of the rules regarding acquisition, submission, usage and dissemination of computer programs!
4	"block wall bldg."	prg	provides number of blocks needed, plus cost of construction.	12	"seq read/print"	prg	included for your convenience in reading the sequential files without benefit of Superscript.
21	"brseat print"	prg	figures seating arrangements for the bridge club.	38	"disk contents+"	seq	what you are now reading.
20	"bar"	prg	prints bar graphs of positive integers.	21	"instructions"	prg	full, detailed telling of how to handle this entire rendition!
11	"wallpaper design"	prg	design your very own wallpaper (grandpa's picture included!	9	"startup"	prg	included to facilitate getting a "hard copy" listing of all the program files.
5	"concrete pour"	prg	computes amount needed for walks, patios, etc. - with job cost.	92	"african advntre"	prg	rescue poor Dr. Livingston and get some "goodies" too!
4	"footing pour"	prg	figures amount needed - with cost.	29	"swords & sorcery"	prg	a game of "witchcraft".
25	"draw poker-vegas"	prg	almost like the poker machines in that gambling capital of the world.				
23	"encryption"	prg	the "enigma" code of World War II.				
13	"dice"	prg	a different kind of "roll the dice".				
29	"weather"	prg	amaze your friends - forecast				

16	"logox"	prg	a game - find the right box.	26	"niche"	prg	an ecological endeavor to preserve and develop the species.
17	"froggie"	prg	a "hoppin" game.	27	"new water"	prg	control the water supply for your town.
26	"maxit"	prg	played on a chessboard - make the most of every move.	847			blocks free.
7	"squiggle"	prg	set the parameters and watch the funny line.				

These are the "8032 emulator" run programs which are also mentioned on the "Master Disk" of this dual disk rendition.

All remain copyrighted, but permission was received to submit them to CBUG for use and enjoyment by CBUG users.

This is a "Support Disk" and its use is fully explained throughout this rendition.

Here is the annotated directory for this disk:

0	"golddisk"	05 2c	disk name	22	"duel!"	prg	programs - all are fully explained in the "disk contents+" program on the "Master Disk".
1	"loader"	prg	controls the loading of the entry and instruction screens and loads the 8032 emulator program.	54	"drone!"	prg	"
8	"bootscrn .scn"	prg	"	20	"stop!"	prg	"
8	"instscrn .scn"	prg	"	17	"voz!"	prg	"
4	"Start8432.21"	prg	"	26	"hawaii!"	prg	"
2	"t1"	prg	"	23	"tank!"	prg	"
2	"td.alt"	prg	"	23	"ram!"	prg	"
2	"t2"	prg	"	15	"lawn!"	prg	"
2	"td"	prg	"	15	"blasto!"	prg	"
81	"8432.21"	prg	"	28	"dromeda!"	prg	"
4	"bank F.20 '1024"	prg	"	23	"dance!"	prg	"
4	"instructions8432"	prg	"	14	"ambush!"	prg	"
1	"bm1"	prg	"	19	"racer!"	prg	"
1	"bm2"	prg	"	26	"flight!"	prg	"
1	"bm3"	prg	"	10	"disk contents+"	seq	what you are now reading.
1	"bm4"	prg	"	27	"!--NOTICE--!!"	seq	PLEASE READ and be guided by its content.
1	"bm5"	prg	"	12	"seq read/print"	prg	included to allow reading of the above two sequential files without resorting to Superscript.
1	"bm6"	prg	"				
1	"bm7"	prg	"				
1	"bm8"	prg	"				
20	"skeet!"	prg	these are the "8032 run"				

1532 blocks free.

## RESTAURANT ACCOUNTING

CBUG #92

\$9.00

2808

#13156

By: Lowell Breunig

Please see the complete article the Spring 1988 issue describing these programs in detail.

### TSUM and MLOG

TSUM and MLOG are companion programs written for use in a Restaurant, however they can be used by other business or private use. TSUM is an internal invoice, Sales and theft control program. It's purpose is to supply operational control data on daily basis and retain that data for future use as needed. Data input from source documents, is fast, with easy corrections performed during input.

TSUM, is impossible to describe in a paragraph. Two of its best features are the ease and speed of input with instant price verification. The simplicity of number series tracking, such as invoices, will blow your socks off. Anyone who needs to control Guest-Checks, Invoices, Purchase Order forms or any other need to track items in series should see this routine.

MLOG and TSUM are companion programs, however MLOG can be used as a stand alone program. The purpose of MLOG is to set up a list of items within 14 categories with a unique code number for each item. It can be used as an inventory list, phone book and/or address book.

If you are learning to program these programs have a number of routines that are easy to pull out as a block and play with. All the major variables are listed in rem.statements at the top of the program and all routines separated by rem.statements.

1	"G/L Data Disk"	" 01 2c	3	"luncJul83"	seq	1	"miscJul83"	seq	18	"newsletter intro"	seq
134	"tsum"	prg	2	"dinnJul83"	seq	1	"beerJul83"	seq	3	"intro. norman"	seq
35	"mlog"	prg	1	"salaJul83"	seq	1	"giftJul83"	seq	26	"P/R Op-instru"	seq
2	"dessJul83"	seq	1	"soupJul83"	seq	2	"guest checks out"	seq	6	"pos."	prg
4	"breaJul83"	seq	3	"beveJul83"	seq	5	"g/c loader"	prg	1701	blocks free.	
1	"add-Jul83"	seq	2	"sideJul83"	seq	10	"mlog Instruction"	seq			
2	"burgJul83"	seq	3	"lighJul83"	seq	5	"tsum instruc."	seq			

By: John Plosila

Mr. Plosila has spent a lifetime writing technical instructions for one of the major electronic/communications manufacturers. Over the last two years he has been studying and inquiring of the B-128's construction and operating principles. The fruit of these efforts is on this disk. It is an important acquisition for both the technician and programmers seeking a better understanding of how our machine operates. There are numerous references in John's articles to the B-128 Service Manual. It is identified as Commodore Business Machines "Service Manual, B Model Computer, Jan. 1985 PN-314010-06. It may be purchased direct from Commodore for \$25.00 plus \$5.00 shipping & handling (US). Write directly to CBM for the service manual: CBM, Parts Dept., 1200 Wilson Dr., West Chester, PA 19380. As of September 1988 there was more than sufficient supply on hand to meet the needs of CBUG members. We strongly suggest you obtain the service manual along with Mr. Plosila's articles on this disk.

1 "b128	" aa 2c	7	"disk/out"	seq	44	"modem"	seq	41	"irq1"	seq
11 "disassembly"	seq	4	"keyboard"	seq	8	"1200"	seq	128	"irq2"	seq
42 "disassembly/serv"	seq	3	"timing"	seq	6	"db"	seq	95	"irq3"	seq
19 "mpu"	seq	4	"sound"	seq	39	"aciatest"	seq	126	"irq4"	seq
11 "ram"	seq	3	"pwr"	seq	17	"diskop"	seq	41	"irq5"	seq
8 "rom"	seq	12	"acia"	seq	85	"6509"	seq	1182	blocks free.	
7 "video"	seq	17	"rs232"	seq	92	"irq"	seq			

## ESCAPE PRINT FILES Vol 11 Spring 1988

CBUG #94

\$9.00

#13175

The complete print files for the spring 1988 issue of The CBUG ESCAPE.

1 "spring assy	" 88 2c	18	"program review.m"	seq	17	"easyware"	seq	2	"94"	seq
13 "scratch pad"	seq	25	"syntax"	seq	11	"west"	seq	27	"order form 1 098"	seq
1 "article header"	seq	39	"syntax.full text"	seq	8	"east"	seq	37	"order form 2 3"	seq
10 "plea"	seq	19	"ss2 tables"	seq	2	"sheet"	seq	29	"inv order index"	seq
17 "foreign insert"	seq	50	"ss2 tables full "	seq	13	"library lead"	seq	16	"want ads"	seq
101 "tutorial"	seq	14	"addresses"	seq	14	"88"	seq	3	"tycom ad"	seq
83 "faieron"	seq	9	"noname"	seq	22	"scratch"	seq	9	"beeline ad"	seq
10 "jarvis"	seq	5	"dos sort"	seq	22	"89"	seq	6	"table contents"	seq
20 "anderson"	seq	27	"dupnames"	seq	8	"90"	seq	12	"front cover"	seq
31 "connely"	seq	11	"mixed op"	seq	54	"91"	seq	1	"front cover top"	seq
26 "payroll"	seq	14	"runmode"	seq	10	"92"	seq	10	"pub. statement"	seq
20 "breunig"	seq	17	"9090test"	seq	9	"93"	seq	981	blocks free.	
22 "petersen"	seq	39	"reback"	seq	8	"84"	seq			
10 "protecting"	seq	45	"mr ed"	seq	25	"pr18"	seq			

## 1985 TO 1988 LIBRARY INDEX PRINT FILES

CBUG #95

NEW RELEASE

\$9.00

#13194

This should be one of the handier of the print file disks in that it contains the complete directories of all CBUG disks released/available. All files are linked starting at CBUG #1 (file name "1"). A search for word patterns using the search on a linked file feature in superscript will rapidly find anything for which you are searching.

0 "88 library	" 81 2c	8	"30"	seq	14	"64"	seq	83	"m54"	seq
36 "1"	seq	9	"31"	seq	12	"65"	seq	12	"m55"	seq
15 "2 ref"	seq	35	"32"	seq	21	"66"	seq	18	"m80"	seq
7 "2"	seq	21	"33"	seq	21	"67"	seq	26	"m81"	seq
19 "3"	seq	20	"14 ref"	seq	15	"68"	seq	21	"p1"	seq
1 "4"	seq	8	"36"	seq	14	"69"	seq	15	"p2"	seq
18 "6"	seq	15	"37"	seq	9	"70"	seq	18	"p3"	seq
22 "7"	seq	7	"38"	seq	9	"71"	seq	50	"p5"	seq
13 "8"	seq	18	"40"	seq	24	"72"	seq	7	"p6"	seq
5 "9"	seq	15	"41"	seq	29	"73"	seq	1	"p7"	seq
9 "10"	seq	16	"42"	seq	5	"74"	seq	10	"p8"	seq
14 "11"	seq	11	"43"	seq	11	"75"	seq	6	"p9"	seq
5 "12"	seq	11	"44"	seq	21	"76"	seq	5	"p10"	seq
12 "13"	seq	2	"11822"	seq	30	"77"	seq	19	"p11"	seq
1 "14"	seq	5	"47"	seq	42	"78"	seq	27	"p12"	seq
11 "15"	seq	26	"48"	seq	10	"79"	seq	15	"p13"	seq
11 "16"	seq	23	"49"	seq	16	"83"	seq	13	"p14"	seq
16 "17 ref"	seq	14	"50"	seq	12	"84"	seq	8	"p15"	seq
1 "17"	seq	25	"51"	seq	61	"85"	seq	25	"p16"	seq
13 "18"	seq	8	"52"	seq	31	"86"	seq	21	"p17"	seq
21 "19"	seq	8	"53"	seq	6	"87"	seq	23	"p18"	seq

11	"21"	seq	3	"56"	seq	13	"88"	seq	25	"p4"	seq
24	"22"	seq	15	"57"	seq	22	"89"	seq	30	"upgrade"	seq
4	"23"	seq	6	"58"	seq	7	"90"	seq	10	"beeline"	seq
8	"24"	seq	7	"59"	seq	53	"91"	seq	7	"knight"	seq
10	"25"	seq	36	"60"	seq	10	"92"	seq	11	"cable"	seq
9	"26"	seq	27	"46"	seq	8	"93"	seq	10	"physical"	seq
41	"27"	seq	20	"61"	seq	8	"94"	seq	13	"non-disclosure"	seq
10	"28"	seq	6	"62"	seq	26	"m20"	seq	1	"pt12"	seq
11	"29"	seq	35	"63"	seq	22	"m45"	seq	1	"pt15"	seq

101 blocks free.

**CBUG UTILITIES & MISC #2**

**CBUG #M20**

**\$9.00**

**#12768**

Many members who have upgraded their B128's to 256K found that the 8432 emulator as first published would operate a B128 in only 2 banks, even though there are 4 available. Now with 1Meg, the fixing of the 8432 emulator was mandatory -- so here it is. This upgrade will allow use of nearly all 15 banks available in a 1Meg B128, simply by using SHIFT COMMODORE key, bank #. If you thought you bought just one computer, Bunkey, look again. Even with an off the shelf B128, you can have it think it is TWO 8032 computers, with 256K, FOUR 8032's, etc. Each 8032 can be running a different program better yet! Now the emulator is not a completely perfect "cat's meow". I will not run all 8032 programs, particularly those requiring special hardware, program ROMS, having clock calls or a few other illegals. None-the-less, lots of opportunity.

Mr. O'Boyle has profered an extensive suite of electronics formulas. Mr. Rotello's 8050 speed up and reset are on the disk. I've tossed in an example of Superscript templates for completing and calculating bank deposits, and a standard letterhead template along with some comments on Superscript efficiency thru pre-forms. Mr. Loeffler has provided tow extensive essays on the bugs in the CABS/INFO designs accounting suite, together with the solutions he has devised for many of them. Mr. Bennett gives is some custom programming in the field of statistics.

No here's a useful example, easily adapted to most anything. Mr. Enochs is a SAVINGS & Loan Appraiser. You can well guess the quantities of forms he has to fill out for each appraisal. We he put it on Superscript, and here are the templates, instructions, the whole works! Lots of work and experimentation for him -- for our members, mere copywork! From Mr. Caple is a program for calculating time cards -- as in payroll. And if you are not game for a major spread sheet program to do your small home accounting chores -- thank Mr. Peterson, for he has done that for your too, again in Superscript.

And if you want a chuckle, our libraian Mark Schwarzbauer sat down and wrote a cartoon strip that runs on the B128 -- just dload "cartoons" and type RUN --

Lastly, from our Delphi SYSOP are the main HELP files from the Delphi Forum to save you from having to down load them before you know how to do so!

1 "CBUG Utilities 2" 76 2c	create input	2	"file.translate"	prg	10	"correlation"	prg	6	"janbkdocrec86+"	seq
8432 upgrate for 256 & 1Meg	create instr	8	"com.emit.bin"	prg	2	"-----ge-----"	seq	17	"explainlet1+"	seq
4 "Start8432.21" prg	create output	4	"zener.reg.bin"	prg	12	"appform.instr."	seq	2	"-----ms-----"	seq
2 "t1" prg	dar.reg.bin	8	"std.reg.bin"	prg	59	"<b>BROUGH: Rob"	seq	4	"cartoons"	prg
2 "td.alt" prg	day from date	1	"capacitor table"	prg	77	"appform.ss2+"	seq	8	" cartoon1"	prg
2 "t2" prg	depa	8	"dar.reg.bin"	prg	12	"pre-app"	prg	8	" cartoon10"	prg
2 "td" prg	depb	13	"reg.design"	prg	4	"merger"	prg	8	" cartoon11"	prg
81 "8432.21" prg	depc	1	"resistor table"	prg	25	"home budget"	prg	8	" cartoon12"	prg
4 "bank F.20 '1024" prg	editor	1	"-----jr-----"	seq	1	"app.print.basic"	prg	8	" cartoon13"	prg
4 "instructions8432" prg	fft	1	"q" 8050 speed up	prg	7	"disk instr"	seq	8	" cartoon14"	prg
1 "----above----" seq	file.translate	1	"r" " reset	prg	3	"sys finder"	prg	8	" cartoon15"	prg
2 "----j0'b----" seq	h.s. analysis	4	"-----nd-----"	seq	57	"appform.ff+"	seq	8	" cartoon16"	prg
3 " directory " seq	hex poke	5	"5+" deposit temp	seq	22	"name/add.ff"	seq	8	" cartoon17"	prg
ac.form	hist	4	"6+" " " "	seq	8	"appbill.ff+"	seq	8	" cartoon18"	prg
act.filt	least squares	1	"66+"letter "	seq	1	"-----cc-----"	seq	8	" cartoon19"	prg
amort	logic simulation	3	"-----bl-----"	seq	1	"FROM"	seq	8	" cartoon2"	prg
asmbler	matrix.determ	118	"cabs i/m bugs"	seq	15	"timecard"	prg	8	" cartoon3"	prg
bessel.func.1	max	48	"cabs defect/bitc"	seq	1	"-----fp-----"	seq	8	" cartoon4"	prg
bessel.func.2	mem manipulator	2	"-----rb-----"	seq		Spread sheet template in SS	8	" cartoon5"	prg	
capacitor table	mem.util	25	"STATISTICS"	prg	4	"jandoc86r+"	seq	8	" cartoon6"	prg
capacitynetworks	p.s.design	12	"distribution"	prg	5	"jandoc86d+"	seq	8	" cartoon7"	prg
check disk.rev1	"Cat.bin" prg	4	"sample size"	prg	5	"jandoc86pc+"	seq	8	" cartoon8"	prg
com emitter amp	"h.s. analysis" prg	7	"confidence intv"	prg	5	"sumdoc86r+"	seq	8	" cartoon9"	prg
com.emit.bin	"disk.DOCS" seq	9	"chi square"	prg	4	"sumdoc86d+"	seq	154	"Delphi help 1	seq
compact	"hex poke" prg	11	"t test (i)"	prg	5	"sumdoc86pc+"	seq	154	"Delphi help 2	seq
compact.c	"mem.util" prg	10	"t test (d)"	prg	5	"sumdoc86t+"	seq	267	blocks free.	

**CBUG UTILITIES & MISC #2**

**CBUG #M45**

**\$9.00**

**#11837**

Another collection of fine goodies from some of our expert members. Now the first one has become a bit of travesty on versions. I'm taking the bet that Matt Goldstein has finally got the checkbook program in first class working order. Then comes Neil Cumfer: Confused about downloading? Read "downloading misc". Got a garbage download from Delphi? You might be able to restore it with the "fixer" utilities. What are all those cryptic files on CompuServe? Let "bfiles.cis" explain them! Tony Goceliak of Goceliak's Gold fame has given us a bunch more of outstanding programs and text files. Carl Caple donated a program for generating 3/8" high letters on an Epson printer (knowing that atleast a few of our members have interfaced them to the B128). Robert Fuerman, esq. tells us how to access the several characters on a daisy wheel type printer which are not directly available from the B-128 keyboard. Dave Runnion is another collector of useful

programs and a few (converted) C-64 games. Donald Kuhn gives us a very powerful menu driven sequential file reader/writer/editor/printer.

What you ought to pay atleast \$700 for all this stuff, but then, since it was donated to CBUG, look what a bargain. Shareware is what many call it. Help thy neighbor and it comes back a hundred fold! Who is going to contribute their best and greatest creations to the next CBUG pre-release or utilities disk? Remember to send a note of thanks to those whose programs you like and use.

19	"Mastermenu/c1.1"	prg	faster multicolumn display to screen	1	"-----dr-----"	seq	
34	"Mastermenu v1.1"	prg	accurate blocks left count	50	"ez mail/file 1.8"	prg	mailing label & filing system
3	"Masterdirectory"	rel	from seq & rel display	89	"r/m inv pro 1.8"	prg	raw material acctng per formula
1	"--applications--"	seq		56	"s/r inv pro 1.8"	prg	supply items accounting
6	"checkbook v2.0"	prg	load and run, withdrawals,	22	"job cost est 1.8"	prg	based on time & materials est.
120	"%checkbook v2.0"	prg	user-friendly, insert/delete,	1	"no. of records"	seq	files used in inv pro 1.8
2	"check.sample"	seq	sort, move, checkcatgry files	3	"rm inventory"	rel	"
2	"+bank.ram"	prg	initializes ram for checkbook	1	"r/m names"	seq	"
1	"--instructions--"	seq		1	"no. of formulas"	seq	"
42	"Master1.1.instr"	seq	get the most out of programs	1	"formula names"	seq	"
20	"checkbk2.0.instr"	seq	by reading the instructions.	1	"f-100"	seq	sample formulas
2	"checkcatagory1"	seq		1	"i-200"	seq	"
2	"checkcatagory2"	seq	These four files created with	1	"f-300"	seq	"
1	"checkcatagory4"	seq	checkbook v2.0 by the user for	1	"[numbers"	seq	used by S/R inv pro 1.8
1	"checkcatagory3"	seq	catagorizing transactions	3	"sr inventory"	rel	"
	"-----nc-----"			1	"sample file/par"	seq	example file for EZ mail 1.8
	"tt80 addenda"	seq	using TT80's Xmodem on Delphi	1	"sample file/fld"	seq	"
31	"downloading misc"	seq	downloading in CIS vs Deiphi	3	"sample file"	rel	"
20	"fixer instruxns"	seq	instructions for next 3 files	11	"scrambled eggs.8"	prg	C-64 games converted to B-128
7	"delphi fixer"	prg	converts garbage files to prg	3	"jugger-naut.8"	prg	"
6	"fast fixer"	prg	converts garbage faster	12	"word finder.8"	prg	"
5	"+fixer tables"	prg	machine language for fast fixer	7	"get'em.8"	prg	"
63	"bfiles.cis"	seq	describes files in CIS library	8	"draw & print.8"	prg	"
2	"from.nc3"	seq	about the author	25	"phone list 3.8"	prg	company phone list
2	"blurb.nc3"	seq	blurb for these files	1	"-from.dr"	seq	
3	"adirectory.nc3"	seq	this file				
	"-----dk-----"						
13	"sys.mstr"	prg	sequential file handler				
16	"sys.mstr.ss"	seq	ss2 instructions & tips				
1	"-----tg-----"	seq		1	"&sfd lobotomy"	usr	1 "-----cc-----" seq
3	"no bump loaders"	prg		2	"&rename asr"	usr	84 "3/8 Epson Letter" prg
19	"disk programs"	seq		2	"&rename seq"	usr	1 "-from.cc" seq
21	"bulk erase"	seq		1	"&no bump sb 2.7"	usr	1 "-----bf-----" seq
13	"sfd lobotomy"	seq		1	"&no bump ss 2.7"	usr	1 "f96" seq
17	"dclear and you"	seq		8	"ss file autolink"	prg	17 "print96" seq
				7	"disk concatenate"	prg	1 "-from.bf" seq
							1062 blocks free.

**CBUG MISC.**

**M54**

**\$9.00**

**11930**

This is a general use disk of materials from 5 contributors.

\*\*\*\*\*

The first author is John Wright.

<NOTE: the program ' LIBRARY is a Superbase application with a modest database built in. Load Superbase then se this disk as the data disk, or as with all databases, you would be better off copying the database and its related files to another disc, as this one is almost totally full!>

Most of the programs on this disk were modified from previous CBUG releases. The major modification was to allow use of drive 1 on the 8050 disk drive. Liz Deal's Key Trix has been extensively used to renumber program lines, so most of the changed/added lines may not be the same as in the original programs. This file is written in Superscript II. The only "Formating" commands used are \*fp0!

brief: Categorization of items on this disk.

Modified to allow use of either disk drive  
Menu driven

by: John A. Wright  
818 Juniper Dr.  
Papillion Ne., 68046  
Phone(s): [talk] 402-339-5729, [modem] 402-339-8918

brief: Original Program name: unknown (I may have written this one and forgotten it)  
Modified Program Name: "Copy File"  
From CBUG #  
Program written by:

The contents of this disk are of two general types:

1. A group of four utility programs that have been modified

Simple little menu driven program that copies files from one drive to another or to the same drive.

to allow either drive 0 or drive 1 selection.

2. A Superbase file that I use to "catalog" magazine articles

Files that I have modified will include the original author.

brief: Original program name:"Boot v2"  
Modified program name: "Autoboot"

Written by J.A. Wright to auto load the unpotected versions of Superbase and Superscript. Superbase auto load has problems due to problems with Casey's Scrubber (CBUG #28) Simple little program to auto load these two programs. I use it on all my disks where I am creating a lot of Superscript files

brief: Original program name: "f-key template"  
Modified program name: (same)  
From CBUG pre release #4  
Program written by Dick Wilkinson

Modified to: Print in capital letters instead of "Graphic" characters. Allow user to select either drive 1 or 0. Allow user to go to next key by simply pressing "n". Thus removing the requirement to use "shifted spaces" for every key. And to allow the user to quit the "input" stage by typing "finish" to exit

Instructions:

Follow the instruction from Pre-release #4. When you desire to proceed to the next key without entering a value for the present key simply press the "n" key. When complete type "finish" to get back to the menu.

brief: original program name:"Unscratch"  
Modified Program name: "File unscratch"  
From CBUG #4  
Program written by:Luke Mester  
Modified by: Kernaghan  
Further modified by: J. Wright

\*\*\*\*\*

by: Mathew Goldstein

' Mastermenu v1.3' is a full-featured <shift-run> automatically configured 1, 2 or 3 column disk directory that loads and runs (for prg files) or displays (for seq files) files selected by assigned menu number. It will run on both disk drives, includes print/copy/delete/rename utilities and belongs on every disk that contains more than a few different files. checkbook v2.3 is a complete, flexible, carefully-crafted, user-friendly and bug-free program that minimizes data-input drudgery and keeps a neat easily-accessible record of your checking account. The numerical methods programs are based on a textbook used in an undergraduate computer course that Mathew Goldstein completed this past fall semester. The non-executing program identifies the lines of code in BASIC programs that are not utilized by the computer. The program was downloaded from a C64 database on Delphi. The typist v2 program is an improvement on the program on the CBUG #32 disk.

36 " Mastermenu v1.3" prg <shift-run> for every disk w/  
20 " Mastermenu/c1.3" prg more than 1 file. v1.3 shows  
8 "Masterdirectory" rel filename of selected file.  
1 "-----u+" seq  
1 "----utilities----" seq  
1 "-----u-" seq  
8 "non-executing" prg identifies non-exec. BASIC  
1 "-----a+" seq lines  
1 "----applications--" seq  
1 "-----a-" seq  
6 "checkbook v2.3" prg Complete checking program w/  
134 "%checkbook v2.3" prg bank reconciliations. Delete/  
2 "+bank.ram" prg insert/move/sort/edit entries  
2 "check.sample" seq Fool-proof data input, user-  
3 "checkcatagory1" seq friendly. Guaranteed no  
2 "checkcatagory2" seq bad bugs. Create your own  
1 "checkcatagory4" seq checkcatagory files.  
1 "checkcatagory3" seq Search/print by catagory  
13 "typist v2" prg faster w/moving col. indicator  
1 "-----m+" seq  
1 "----mathematics----" seq accurate numerical methods

brief

Original Program name:Seq Read/Print  
Modified Program Name: (same)  
From CBUG #4  
Program written by:Roger B. Fry  
Modified by: Kernighan  
Modified by: J. Wright

Modified to allow drive 1 or 0

brief: Library Pgm section is a package to allow the user to keep a file of magazine articles or books. Written mainly for use as a cross reference for magazines.

by: J.A. Wright  
818 Juniper Dr.  
Papillion,Ne., 68046  
Phone (talk) 402-339-5728 (modem) 402-339-8918

Completely menu driven. Programs will direct input of new records or a search for articles by subject and will return the magazine issue/date and page number of the article. Look at the program "search.p" and the "Format" to gain a better understanding.

1 "-----jw-----" seq 12 "seq read/print" prg  
1 " " seq 1 "fill 16" prg  
2 "ss.autoboot" seq 1 "fill 17" prg  
1 " " seq 1 "fill 18" prg  
22 "jw comments" seq 1 "fill 19" prg  
2 "autoboot.p" prg 1 "--LIBRARY--" prg  
1 "fill 7" prg 7 "start.p" seq  
1 "fill 8" prg 3 "magazine" seq  
1 "fill 9" prg 40 "superspell.tm" seq  
1 "fill 10" prg 27 "!!--NOTICE--!!" seq  
1 "----UTILITIES----" prg 1 "LIBRARY"files seq  
31 "f-key template" prg 3 "magazines" seq  
6 "file unscratch" prg 11 "search.p" seq  
4 "copy file" prg 1799 blocks free.

1	"-----m" seq	18	"checkbk2.3.instr" seq
8	"bisection.mr" prg .mr finds roots of equations	15	"numerical.instr" seq
10	"falseposition.mr" prg	4	"blurb.mg" seq
7	"iteration.mr" prg	2	"FROM.MG" seq

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by: Neil Cumfer

"Graphics Finale" winds up the instructional series showing you how to teach SuperScript II to print graphics on the 4023. The programs it explains are already typed in for you in "finalgrafxtables" and "ss2 tables"final. "4023graphicsdemo" shows you how easy it is to dazzle your friends and impress your boss with horizontal and vertical graphs. Speed readers will love "veryfastreader", a sequential file reader that can display a 64K file to the screen in just 6 seconds, thanks to an imbedded machine language routine. Also useful for slowpokes; read files that you aren't going to change, without having to wait for SuperScript to load. Scroll forward or backward by the screenful (similar to SS's ESC SPACE and ESC SHIFT-SPACE).

12	"veryfastreader" prg Basic: sequential file reader see 64K in 6 sec	2	"ss2 tables"final prg binary: output of above program
51	"graphics finale" seq SS: part 3, 4023 graphics with SuperScript II	14	"4023graphicsdemo"seq SS: print out this file from SS to see graphics
29	"finalgrafxtables"prg Basic: revision of SSII's "ss2.maketables"	4	"blurb.nc2" seq SS: wild claims for these files
		3	"annotations.nc2" seq SS: this file

\*\*\*\*\*

By: David Greene

The following is a short explanation of some of the programs on the disk. I have written most of these programs myself; the exceptions are the six text adventures and the renumbering routine. The programs listed are something of a miscellaneous collection; there are a quite a number of games and several utilities as well. They are separated on the disk directory by null programs.

"run me.dg" is a program to read Superscript files like this one without accessing Superscript.  
 "adventures" is a loader program for the eight adventure games.  
 "collab" is a three-dimensional maze game. It has two floors, each one being a 25x25 maze grid. There are a number of pits, elevators, teleport squares, objects, monsters, and other surprises hidden in various places. Making a map is advisable, but it will still take time to figure out how to escape.  
 "abrlab" is an abridged version of the above; everything in the larger maze is carried over to this version, but the maze is significantly smaller (only a 15x15 grid). This makes it less of a challenge but easier to explore and map.  
 "3d tictactoe" is a game of 4x4x4 tictactoe; you can play against the computer or another human player.  
 "roadrace.dg" is a simple roadrace game; you control a car speeding down a road full of potholes. There is a finish line; its distance from START is determined by the skill level you choose.  
 "snakes.dg" is a game where you control a snake and try to avoid obstacles.

push the obstacles around. The monsters can be killed by pushing objects into them, but every time this is done, the player must grab a '\$\$'. The object of this game is to kill all the monsters and also grab all the '\$\$'s.  
 "renumber.dg" is a utility which will renumber BASIC programs.  
 "hres editor.dg" allows you to draw pictures or designs and then print them out to a CBM 4023 printer. An entire screen comes out about two inches square.  
 "screen editor.dg" lets you design screen layouts for use in other programs.  
 "drawprint.dg" lets you draw on the screen and print the results on a printer in high resolution. This is a simpler version of the highres editor; it has fewer features, but is easier to use.  
 "diagprint.dg" prints out on the printer an N-sided polygon with all diagonals connected. This is a demonstration of my high-res SET/RESET/TEST/LINE drawing routines; you can remove the demo program and use the subroutines.  
 "graphics.dg" is a set of subroutines for onscreen, 80x50 SET, RESET, AND TEST.  
 "graphics2.dg" is the same as "graphics.dg", but with a matrix of 160x50.

Any programs that require controlling something should accept the following controls:  
 (A) key moves up,  
 (Z) key moves down,  
 (<) [comma] key moves left, and  
 (>) [period] key moves right.

I got the following adventure programs from a games disk put out by BUG; I improved them considerably, adding upper/lower case and correcting errors.  
 "haunted.adv" is an adventure game in which you must explore a haunted house and bring out valuables and treasures.  
 "pirate.adv" is a terribly slow adventure where you labor to build a pirate ship and sail the seas to Treasure Island.  
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 "sorcerer.adv" is also based on the original Adventure somewhat; however, it is original to a large extent and contains a few humorous touches.  
 "dogstar.adv" is a Star Wars adventure in which you must rescue Princess Leia.  
 "wisp.adv" is my personal favorite; it is fast and clever, though actually more of a spoof on adventures

If (Heaven forbid) you run into any problems with the programs and can not figure out how to fix them, you could write me:

David Greene  
 RR 1 Box 63 River Road  
 North Creek, NY 12853

I hope you can find something useful or entertaining in this collection.

2	"run me.dg"	prg if you don't have Superscript
3	"adventures"	prg loads Adventure programs

than a real adventure game.  
 "bigmaze.dg" is a simple maze game on a large grid (99x99). This program is mostly an demonstration of what it is possible to do with strings; it does not make a very interesting game by itself.  
 "mouse.dg" is a program which allows you to create mazes and run simulated  
 "mice" through them. After the first run-through, you can have the mouse take the fastest path to the exit.  
 "taxman.dg" is an "educational game" involving factors.  
 "mazegen.redraw" is a maze generator that quickly and repeatedly redraws mazes. For all the "mazegen" programs, it is possible to control the direction the generator takes. Use (A) for up, (Z) for down, and < and > for left + right.  
 "mazegen2" draws mazes on a more condensed grid.  
 "mazegen3" is the same as "mazegen2", but with a different type of graphics.  
 "chase1" a rather abstract game program. The player is represented by a solid graphics block. He must maneuver (using (A), (Z), <, and >) and try to avoid monsters. There are obstacles -- land mines -- scattered around the field, and if either a monster or the player runs into one of these, it explodes. The object is to get rid of all the monsters by making them run into mines. "chase2" is a version of "chase" where the obstacles do not explode; the object is to grab a number of '\$\$'s which are scattered around. If two monsters run into each other, they will explode. Again, the player must avoid the monsters.  
 "chase3" is yet another version; here, the player can

1	"-----games-----"	prg	(marker only)
158	"collab"	prg	Colossal Labyrinth
144	"abrlab"	prg	Abridged version of Colossal
36	"3d tictactoe"	prg	4x4x4 tictactoe player
i3	"roadrace.dg"	prg	Avoid the potholes.
16	"snakes.dg"	prg	Dodge obstacles.
85	"haunted.adv"	prg	Haunted House adventure
72	"pirate.adv"	prg	Pirates' Cove adventure
67	"cavern.adv"	prg	Cavern of Riches adventure
60	"sorcerer.adv"	prg	Sorcerer's Castle adventure
64	"dogstar.adv"	prg	Dogstar (Star Wars) adventure
119	"wisp.adv"	prg	Will O' the Wisp adventure
6	"bigmaze.dg"	prg	demo of string uses
20	"mouse.dg"	prg	maze and mouse program
11	"taxman.dg"	prg	number game
4	"mazegen.redraw"	prg	maze generating program 79x49
4	"mazegen2"	prg	maze generating 159x49
4	"mazegen3"	prg	maze generating 159x49
6	"chase1"	prg	simple dodge-the-monsters game
7	"chase2"	prg	dodge monsters and grab \$\$
7	"chase3"	prg	push blocks and grab \$\$
1	"---utilities---	prg	(marker only)
6	"renumber.dg"	prg	renumbering utility
18	"hres editor.dg"	prg	high-res graphics editor
5	"screen editor.dg"	pr	save screens for use elsewhere
7	"drawp.int.dg"	pr	draw things and print high-res
4	"diagprint.dg"	prg	n-sided polygons high-res
3	"graphics.dg"	prg	set/reset/test routines 80x50
3	"graphics2.dg"	prg	set/reset/test routines 160x50
1	"from.dg"	seq	Superscript: name + address
9	"adirectory.dg"	seq	what you are reading now
22	"readme.ss"	seq	blurb file on these programs

\*\*\*\*\*

by: Joe Rotello

See Joe's articles in this issue for more information on these programs.

12	"data entry.notes"	seq	4	"data entry a 1.2"	prg	3	"light.menu"	prg	3	"box.menu.notes"	seq
5	"ss2 brack.notes"	seq	3	"b128.dir.notes"	seq	10	"light.menu.notes"	seq	3	"master.box"	prg
4	"data entry c 1.2"	prg	7	"b128.dir"	prg	4	"box.menu"	prg	8	"master.box.notes"	seq

\*\*\*\*\*

118 blocks free

**CBUG MISC.**

**M55**

**\$9.00**

**11944**

The first two items deal in training in ML, and some very interesting bank switching discoveries

\*\*\*\*\*

The first author is Dr. Gary Swindler

list and study these basic programs for your instruction. They show what needs to be done to get the bank ready for this or any ML program that needs to coexist with basic. If the ML code is used from direct mode none of this is necessary.

7	"r11"	prg	43	"instruction.file"	prg	4	"qlist.3000"	prg	10	"don'tlikekeys"	prg
7	"r12"	prg	3	"xboth.fe00"	prg	7	"hotel cal.file"	prg	4	"qlist.8000"	prg
									4	"qlist.0800"	prg

\*\*\*\*\*

By: John Berezinski

Please read the two articles in the main body of this issue for the details on these contributions.

4	"bankall4096"	prg	4	"bankall16384"	prg	41	"hexprimer.s"	seq	2	"rpn8192"	prg
4	"bankall8192"	prg	4	"bankall24576"	prg	3	"rpn1024"	prg	7	"blackbox"	prg
						2	"rpn2048"	prg	27	"info"	seq

\*\*\*\*\*

By: Rev. Doug Gorsuch

This series was appended to this disk just for a place to put it as the general topic disk is full!

An additional copy of this same material will be appended to Mr. Goceliak's disk being released this issue.

Please read the article in the main body of this issue for the details on the contribution.

1	"SS2 CALENDAR"	seq	17	"30/mon"	seq	17	"31/wed"	seq	17	"31/fri"	seq
11	"Instructions"	seq	17	"29/mon"	seq	17	"30/wed"	seq	17	"30/fri"	seq
17	"31/sun"	seq	17	"28/mon"	seq	17	"29/wed"	seq	17	"29/fri"	seq
17	"30/sun"	seq	17	"31/tue"	seq	17	"28/wed"	seq	17	"28/fri"	seq
17	"29/sun"	seq	17	"30/tue"	seq	17	"31/thu"	seq	17	"31/sat"	seq
17	"28/sun"	seq	17	"29/tue"	seq	17	"30/thu"	seq	17	"30/sat"	seq
17	"31/mon"	seq	17	"28/tue"	seq	17	"29/thu"	seq	17	"29/sat"	seq
						17	"28/thu"	seq	17	"28/sat"	seq

**CBUG MISC.**

**CBUG #180**

**\$9.00**

**#12064**

Well, let's see what Santa brought for this potpourie:

from: Matthew Goldstein

Finally, that often requested program -- a golfer's handicap and scoring program!

'Mastermenu v2.0' allows you to rearrange the menu screens by adding, removing, changing the name of, and moving files, and adding dummy header titles using the second set of function keys. 'alarm interval' is a m/l routine that sets the alarm clock and detours the interrupt vector into code that monitors the alarm, ringing the bell and resetting the alarm when it goes off. 'BAM' is a simple two level neural network that learns the input data patterns and recalls the data learned even if the match data is incomplete or inaccurate. 'data cards' is written in JCL extended BASIC and cannot be run without the JCL Workshop disk.

65	"Mastermenu v2.0"	prg	many more features: add, remove	4	"vocabulary1..+sa"	prg	etc. program needs a few
6	"Masterdirectory"	rel	newname, move, header, print	3	"vocabulary1..+sb"	prg	more adjustments.
1	"m/l print screen"	prg	screen, etc.	2	"vocabulary1..+sc"	prg	vocabulary data base inc.
13	"alarm interval"	prg	recurring alarm at preset time	7	"BAM"	prg	bi-directional associative memory
1	"alarm int.f0400"	prg	interval until you reset it	13	"data cards.ins"	seq	
83	"golfhandicapSSGA"	prg	maintains records of golfer's	33	"Master2.0.ins"	seq	
6	"golfname.dat"	seq	scores and handicaps	11	"golfhandicap.ins"	seq	
7	"disinterpreterb"	prg	this version works 100% on B	9	"computed goto"	seq	
53	"data cards.jcl"	prg	index card type data base with	24	"input"	seq	
594	"vocabulary1..+fi"	rel	1 to 29 'sides' per card.				936 blocks used
1	"vocabulary1..+fp"	seq	sort, move, delete, edit,				

From our good friends at ICPUG (Independent Commodore Products User Group), Jim Kennedy, President. They have provided us with disk files of their ongoing series on Superscript and Superbase from their perspective of C-64 and C-128 machines. While there is a great deal of similarity, there are some areas not applicable to the B-128. We are carrying these articles edited for B-128 interest in the article section of the current issue (Fall 1987). On this disk are the full unedited files as printed by our friends on London.

1	"icpug	"jk 2c	57	"SuperCornerMay"	seq	85	"SB-DirectDataRead"	seq	4	"NovDecNote"	seq
77	"SuperCrnrMarApr"	seq	32	"SuperCrnrJul/Aug"	seq	9	"SuperCrnrSepOct"	seq			266 blocks used

From: Dr. Ronald Servos

Interesting little program for generating a perpetual schedule for a rotating staff. In the example, Dr. Servos is scheduling several doctors in his practice about a 7 day schedule. Prints out month by month schedules. Obviously useful for all sorts of things from firemen to study hall supervisors, lifeguards, etc.

1	"schedule"	up 2c	1	"111"	prg	8	"logo1"	prg	14	"schedv1087"	prg	3	"setup-sched"	seq	26 blocks used
---	------------	-------	---	-------	-----	---	---------	-----	----	--------------	-----	---	---------------	-----	----------------

From: Dr. Harold Querner

A stand alone database (i.e. does not require Superbase or any other underlying program). In this case the program is designed to keep track of sports injuries, certain details and costs. Operates with a data disk in drive 1 (you supply blank formatted disk). Good example to learn from, adapt, etc. Has reporting, editing and other necessary features. Menu driven. No instructions needed. Load the first program in set to run.

1	"sportsmed/backup"	M6 2c	66	"sportII"	prg	6	"initializer"	prg	1	"PROGRAM"	seq	73 blocks used
												751 blocks free entire disk

**DAVID GREEN UPDATE**

**CBUG #181**

**\$9.00**

**#12079**

From: David Green

<<This is an upgrade etc. of materials submitted by Mr. Green which appeared on M54. If you are acquiring this as a replacement disk, send in the M54 label and extend the pricing at 50% off.>>

The following is a short explanation of some of the programs on the disk. I have written most of these programs myself; the exceptions are the six

text adventures and the renumbering routine. The programs listed are something of a miscellaneous collection; there are quite a number of games and several utilities as well. They are separated on the disk directory by null programs.

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- "dogstar.adv" is a Star Wars adventure in which you must rescue Princess Leia.
- "wisp.adv" is my personal favorite; it is fast and clever, though actually more of a spoof on adventures than a real adventure game.
- "colossal.adv" is an abridged (but still enormous) version of the original Adventure program, written back in the dark ages of computing when B-128's weren't even thought of. Strangely, it's still one of the best in the collection -- difficult, though; the abridging process seems to have removed all reference to the necessary magic word "blast" . . .
- "collab" is a three-dimensional maze game. It has two floors, each one being a 25x25 maze grid. There are a number of pits, elevators, teleport squares, objects, monsters, and other surprises hidden in various places. Making a map is advisable, but it will still take time to figure out how to escape.
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- "graphics.dg" is a set of subroutines for onscreen, 80x50 SET, RESET, AND TEST.
- "graphics2.dg" is the same as "graphics.dg", but with a matrix of 160x50.

1	"cbug offering v2"	o2 2c	85	"haunted.adv"	prg	147	"abrlab"	prg	7	"chase2"	prg	3	"graphics.dg"	prg
2	"run me.dg"	prg	72	"pirate.adv"	prg	6	"bigmaze.dg"	prg	7	"chase3"	prg	3	"graphics2.dg"	prg
3	"adventures"	prg	67	"cavern.adv"	prg	20	"mouse.dg"	prg	1	"---utilities---	prg	9	"adirectory.dg"	seq
24	"readme.ss"	seq	60	"sorcerer.adv"	prg	11	"taxman.dg"	prg	6	"renumber.dg"	prg	1	"from.dg"	seq
1	"-----games-----"	prg	64	"dogstar.adv"	prg	4	"mazegen.redraw"	prg	18	"hres editor.dg"	prg	842	blocks free.	
36	"3d tictactoe"	prg	119	"wisp.adv"	prg	4	"mazegen2"	prg	5	"screen editor.dg"	prg			
13	"roadrace.dg"	prg	217	"colossal.adv"	prg	4	"mazegen3"	prg	7	"drawprint.dg"	prg			
16	"snakes.dg"	prg	158	"collab"	prg	6	"chase1"	prg	4	"diagprint.dg"	prg			

CBUG MISC. 0588

CBUG M82

\$9.00

#13014

A new collection of goodies. This one shows off quite an improvement by the various contributors. Each author's section is set apart by the dashed lines with the contributor's initials in the middle. Because some submissions have annotated directories and others do not, the listing below is not in the same order as the disk.

Several of the larger entries come with their own menu programs. You can either load the menu program (the first one in the section) then run it, OR, copy off that entire section of the disk (easiest using copy all) to a new disk. The effort is worth it as much more descriptive information files about the contributions are to be found in these manners.

Dr. James Condon brings us a medical application of a mathematical model: "On this disk is a little program I use to calculate the growth rate of lung tumors. It has a nice routine for telling you the day-of-the-week for any date. I've never seen it make a mistake, though I suppose it will someday."

Robert Chordas: "There are a couple of programs on this disk that you may not have in your library. The Julian Date program I wrote myself. The Julian calendar is handy when you have to figure preventive maintenance schedules and expiration dates. It was written using a superpet 9000 and a 4022 printer but it works just fine on the B-128 and a 4023 printer.

The hidden word program was in a book somewhere. Originally all the words were in data statements. As in this puzzle, the data statements contained a list of all fifty states. However I did modify the program some. It now gives the option to type in the word list from the keyboard. I also centered the puzzle across the page and modified the word list output to make it a little more presentable. To determine the number of rows and the number of columns in the puzzle, you should count the number of letters in your word list and then add about 20%. For instance the fifty states contain about 412 letters. Type 'print sqrt(412+(.2\*412))' and your computer will tell you that 22 rows and 22 columns should be a large enough matrix for the puzzle. Of course a 21 by 23 or a 20 by 25 would probably do just as well. A puzzle this size takes close to an hour and a half to complete, so you must be patient.

I am not sure where the 'world quiz' program came from but I do think it is a very good program. The author's name pops up on the screen in the first frame. I do remember the program used jiffy timing. Outside of the timing, the only change I remember is to add a musical tone for every correct answer. This may not be a public domain program. If anyone knows of a copyright on this program (none visible) please notify CBUG.

And Ben's Clock. Ben got this clock from a superpet 9000 programmers manual, and modified it some. Ben was an electronic tech. and worked on the Minuteman Missile. So, I suspect that is a minuteman missile that pops out on the screen and shoots down each minute as it expires. Of course the clock should be set before running this program."

Neil Cumfer: "A few useful programs and a lot of curiosities, some for the B128, some for the 8432 emulator. All programs believed to be in public domain. Those marked T are from the Transactor. All marked Basic are "load and run", though many operate through machine language poked into memory by data statements."

From: Jay Shepherd are 4 programs -- file names are self explanatory.

From: Armand Carrier. This looks like one of the more extensive collections done to date. Obviously lots of things are available for both the amateur and the expert alike.

From Matt Goldstein is yet another upgrade of his famous Checkbook program.

Liz Deal's materials are discussed in her article in this issue.

Gerald North is a publisher of a periodical newsletter called Remnant Review. We present here the entire uncut articles he wrote which were previously published in abridged form in The Escape. The topic is electronic communications security -- i.e. telephone/computers taping and adulteration.

1 "CBUG MISC 0588 "	cm 2c	18	"contents.nc4"	prg	1	"<-8432programs->"	prg	28	"cyndi"	prg	47	"history.lst"	seq
1 "-----jc-----"	seq	17	"ss.contents.nc4"	seq	5	"basic aid.instr"	prg	2	"blurb.nc4"	seq	2	"hist.c64.6000"	prg
27 "doubling time"	prg	1	"<-b128programs->"	prg	47	"c64basicaid.inst"	prg	8	"adirectory.nc4"	seq	2	"hist.b128.f6000"	prg
1 "-above +c+ 1988-"	seq	6	"clock-calendar"	prg	18	"basic aid"8432	prg	1	"-----js-----"	seq	2	"hist.b256.f6000"	prg
1 "----ok to give---	seq	3	"+clk1060"off1063	prg	6"	"sort demo1"8432	prg	102	"checkbook B128"	prg	1	"-----gn-----"	seq
1 "-but not to sell"	seq	2	"date1536"	prg	3	"sort demo2"8432	prg	2	"balance reader"	prg	47	"north abridged"	seq
1 "-the above prog--"	seq	2	"alarm1536"	prg	12	"sort pet"	prg	46	"checkbook B128in"	seq	64	"a"	seq
5 "letter2Norm.ss"	seq	8	"clockcalscreen"	prg	3	"file ripper"8432	prg	24	"printer search"	prg	51	"b"	seq
1 "-----rc-----"	seq	11	"pettoascii"	prg	2	"mirror"8432	prg	1	"-----mg-----"	seq	48	"c"	seq
10 "julian date"	prg	8	"asciitopet"	prg	1	"<-b128amusemts->"	prg	6	"checkbook v3.2"	prg	70	"d"	seq
26 "hiden words"	prg	4	"system ram scan"	prg	2	"zoundz"	prg	185	"%checkbook v3.2"	prg	9	"commentary"	seq
49 "world quiz"	prg	25	"softwareinventory"	prg	3	"kaleidoscope"	prg	1	"-----ld-----"	seq	1	"-----"	seq
19 "bens clock"	prg	8	"great circle"	prg	3	"crystal"	prg	38	"cbug3/88"	seq	32	"!!!-NOTICE-!!!"	seq
10 "this disk/ss"	seq	3	"chromatic scale"	prg	2	"tickertape"	prg	40	"history.nol"	seq	347	blocks free	
1 "-----nc-----"	seq	7	"binary tree demo"	prg	1	"swords of doom"	prg	42	"history.pal"	prg			

18"contents.nc4"	prg Basic. info on these programs	dec-hex-bin: Converts DEC to HEX or BIN / HEX to DEC or BIN / BIN to HEX or DEC
17"ss.contents.nc4"	seq SuperScriptII "must" reading	def fn: Example using def fn with math
1 "<-b128programs->"	prg	delay loop: Use insted of for...next loops.
6 "clock-calendar"	prg Basic. pokes date, time to screen	Compiling will not affect it. list/read REMS
3 "+clk1060"off1063	prg /updated each second T	disk demo: Tony's demo modified for 8050 disk drive.
2 "+date1536"	prg /allows alarm if desired T	disk spinner: I use this when I clean my disk drives (8050)
2 "+alarm1536"	prg /'+ files loaded by Basic T	dynamic 1: Example of dynamic programming
8 "+clockcalscreen"	prg Binary screen dump (poke codes)	dynamic formula: Enter your own formula at prompt.
11"pettoascii"	prg Basic. converts seq files	feminist's: No explanation necessary - Just load & run
8 "asciitopet"	prg Basic. converts seq files	flash titles: Flash screen with program title, name, etc.
4 "system ram scan"	prg Basic. updates 4 pages of system variables to screen 60X/second	flashing screen: Example on how to flash screen from normal to reverse video and back
25"softwareinventory"	prg Basic. keeps track of software	flashing screen2: Similar to 'flashing screen'
8 "great circle"	prg Basic. calculates distances	for next hint: Hint on use of for...next
3 "chromatic scale"	prg Basic. plays all notes of scale T	get 2: Hint on using get (no ? and commas are allowed)
7 "binary tree demo"	prg Basic. allows sorting quickly T	get 4: Another hint on using get instead of input
1 "<-8432programs->"	prg	hi-lite demo: Another menu-type program
5 "basic aid.instr"	prg Basic. loads "basic aid"8432	jump search: Binary search program.
47"c64basicaid.inst"	prg Basic. "basic aid" = "keytrix"	keyboard matrix: Press a key and it will print on the screen. Not what you expect, but the name shown on the key. Such as tab, esc, shift, ctrl, return, enter, etc.
18"basic aid"8432	prg Basic with appended machine code	keys: Programs function keys.
6 "sort demo1"8432	prg Basic. /can sort 975 items in T	mem jogger: Simple database
3 "sort demo2"8432	prg Basic. /about 3 seconds T	
12"sort pet"	prg machine language for 8432 only! T	
3 "file ripper"8432	prg Basic. fast seq file reader T	
2 "mirrrq"8432	prg Basic. amusement for 8432 T	
1 "<-b128amusemts->"	prg	
2 "zoundz"	prg Basic various frequencies heard T	

3 "kaleidoscope"	prg Basic interesting graphics	T	msx+: Benchmark test from Computer mag. It shows the
3 "crystal"	prg Basic screen patterns	T	B-128 as being the fastest computer (of those listed
2 "tickertape"	prg Basic good subroutine	T	anyway). Fantastic! It really shines in 8432 mode!
1 "swords of doom"	prg Basic wreck your screen	T	my window: Short demo on using a window.
28 "cyndi"	prg Basic. Cyndi Lauper gig/no music		nrm distribution: This will give the normal
? "blurb.nc4"	seq		distribution, when you enter the mean and the standard for
? "adirectory.nc4"	seq this file =		(x) numbers.

-----ac-----

Menu program I wrote for CBUG. Just press shift/run and disk directory will load and appear on the screen in alphabetical order. Enter the number to the left of the program, press return and it will load and run automatically. Other instructions will be on the screen, plus information about the disk. Such as Disk Title and ID, how many blocks free, how many program files on the disk, option to load and display a directory of sequential files.

1 pg dir printer: This is Warren Kernaghan's 2 column directory, modified to print the directory on one page (up to 210 items) in 3 columns, up to 70 items per column by setting up the printer.

alpha slalom: Watch as letters of the alphabet slalom down the ski course (screen)

alpha slalom2: Same idea as above only more to it

alpharound: Prints the alphabet on the screen diagonally from lower left to upper right, then left to right across the center (horizontally) then diagonally top left to lower right, then vertically in the center of the screen, top to bottom, then diagonally top right to lower left, then right to left in the center (horizontally), then lower right to upper left diagonally, then vertically in the center from the bottom to the top, then to the beginning again and changing, alternating from lower case to uppercase and from normal print to reverse print.

angles (sine of): You enter an angle and it computes the sine

asc finder: Finds ascii values

ascii: You enter an ascii value and it tells what key it is on the keyboard

ave: Simple adding machine that also keeps a running ave of the numbers entered

binary quiz: Shows number on the screen in binary and prompts for the answer in decimal

binary table: Shows decimal number and binary equivalent on screen

book names: Use this program to make a list of anything. It will search on one character so there is no need to remember the whole title, name, date whatever

bubble sort: What can I say. It's a bubble sort

bug: See the bug try to escape. When he stops running the bug eliminator gets'em

cbm 4023: Examples from the printer manual

cbugx: Similar to (flash titles)

centered prtng: Example on how to center things on the screen

chr\$ codes: Examples to be used with a printer contents: The program you are currently looking at.

cursor demo: Demo on cursor control

cursor demo 2: Another demo on cursor control

cursor demo 3: Another demo on cursor control

cursor demo 4: Another demo on cursor control

data debugger: This will print the data item and the number of the line it was read from

run

pdirectory: Used by menu program (contains program files directory)

peek: Sends contents of peek location to the printer

phone phun: Load & run - Converts letters to digits [play with phone numbers, etc]

prime factors: Play with prime numbers

printat: Example of a print @ routine

printat+: Similar to above (printat) + a little more.

printer on/off: Short routine will alert you on your printer's status.

profit: Computes profitability of an item

quicksort: And this is a quicksort

quilt: Prints to the screen random characters at random places. (patchwork quilt?)

roman: Prompts you for a decimal number which it converts to roman numerals

screen dump: Will send whatever is on screen to the printer. (Basic, so it's slow)

scrn format: Benchmark program shows the fastest method. [Cursor control, Poke or Tab]

scrolling: Adapted from disk that came with Protecto package

sdirectory: Used by menu program (contains sequential files directory)

shell sort: This is a shell sort

slow printing: This shows how to control the speed at which the computer will print to the screen using for...next loops. This prints 6 lines at different speeds

speedy: One way to speed up polynomial calculations

stop & cont: Hint on how to use these commands as debugging tools

temp conv: Converts fahrenheit to celcius or celcius to fahrenheit.

timer: A timer for your programs ,loops, whatever. You can time to 1 tenth of a second accuracy. No more guessing with for...next loops.

trap+: Useful when programming. Not only shows the line the error occurred in but by pressing <return> or <enter> key lists the line on the screen for editing.

trap with sound: Use of trap statement with a buzzer. (Wakes you up when programming)

twinkling stars: Create a screenful of twinkling stars! (not really, but almost)

underlining: Example on using underlining with the 4023 printer

utility audit: Audit your utility bills with this one. You will have to change the data to reflect your local rates

vtab: A useful vertical tab command. Use like tab (horizontal)

wait: An example on the use of the wait command

waves: Another demo on graphics

window demo: This is just what it says. A demo on windows

which key: This tells you which keys you are pressing and whether you are pressing more than one at a time. Try pressing ctrl, shift, tab & esc keys one at a time, two at a time, three, and even all four. Could be used as a prompt in prog

<<<SPECIAL NOTE REGARDING CBUG PRE-RELEASE LIBRARY DISKS

As compared to the CBUG releases and the Misc. CBUG Releases, the Pre-Release materials for the most part are fun and games time. While the majority of the programs may work, atleast partially, they range from less than ideal software ported from other machines to partially completed works by CBUG members. Then too, there are some gems in the collection so it really is "pot luck" time. Many members have reported having more fun (and learning opportunities) with the pre-release disks than most anything else!

The majority of the later pre-release disks are for CPM-86 and even CPM. The 8088 coprocessor board is needed for their use. Of course they are all clearly marked. In 1989, subject to member interest, Gary Anderson will release the V-20 coprocessor board he has designed for the B128 series. That with the Jarvis/Springer/Anderson Fast Buss and Copy programs/interface will allow easy use of the enhanced B128 with much of the popular software for MSDOS, CPM, CPM-86 and other current software. Unless otherwise noted, CPM and CPM 86 disks will are not usefully legible to a non-coprocessor equiped B128.

By their nature, PRE-Release disks are usually collections of submissions from numerous members. The two letter demarcations are the contributors initials. More data (names etc) are in the underlying file on disk. Most titles are suggestive of the file contents. Unfortunately the disks other than the co-processor materials are not annotated.>>>

CBUG PRE-RELEASE 1 05Aug85

PR-1

\$9.00

#12824

0 "pre-release1" p1 2c 11	"lrescue": prg 41	"B-Address File" prg 25	"mlborne b128" prg
3 "preamble" seq 1	"+++TERMINAL+++ " prg 22	"Medical Survey" prg 38	"nuke b128" prg
3 "Liz Deal's 2" seq 26	" terminal" prg 37	"B-Labyrinth" prg 23	"ruler b128" prg
1 "<---tools--->" prg 5	"/term" prg 10	"B-PayCheck Anal" prg 25	"therapy b128" prg
11 "disk logger.b128" prg 1	"+++SOME DOCS+++ " prg 23	"G-Solitaire" prg 12	"yahtzee b128" prg
1 "+disklog.400" prg 14	" tokens" seq 20	"G-Black Sunday" prg 1	"-----" seq
8 "disk view.b128" prg 19	" cursor config." seq 17	"G-Concentration" prg 1	" 8432 EMULATOR " seq
1 "<-----p----->" prg 29	" program lines" seq 13	"G-Deflection" prg 1	" PRGMS. FOLLOW " seq
11 "reader/writer" prg 21	"backup1" prg 69	"Account Pac" prg 1	" " seq
1' "<-----6----->" prg 1	"-----tc-----" seq 2	" directory " seq 86	"ohare adventure" prg
2 "d.a/p gif" seq 3	"tc info" seq 14	"instr word machi" seq 71	"dog.star.adven" prg
9 "d.vendor file" seq 8	" Menu" prg 7	"instr name machi" seq 60	"wizard's.castle" prg
4 "d.check file" seq 8	" Menu" prg 2	"instr b-x modem " seq 60	"king.tut" prg
12 "d.a/p inv file" seq 8	" Menu" prg 1	"B-memory peeker" seq 58	"trip to atlantis" prg
1 "d.a/p inv ctr" seq 35	"B-Name Machine" prg 2	"Name List" seq 12	"hammurabi" prg
1 "<-----i----->" prg 39	"B-Word Machine" prg 3	"b function key" seq 20	"fishery" prg
1 "-----ws-----" seq 23	"B-Copy Calc" prg 1	"-----gv-----" seq 15	"cassette labeler" prg
6 "ws info" seq 23	"B-Invoice Prog" prg 2	"gv info" seq 30	"disk master v2" prg
1 "+++GAMES+++ " prg 22	"C-Mail List" prg 8	"amaz grace b128" prg 28	"yahtzee" prg
47 " star trek 1" prg 29	"B-SoftBall Stats" prg 22	"b128 address" prg 3	"un-dload easier" prg
52 " star trek 2" prg 11	"U-Load Address" prg 6	"b128 harmonica" prg 3	"dload easier" prg
4 " star trek 1" rel 1	"reset.1" prg 26	"b128 terminal" prg 15	"backup 2031" prg
4 " star trek 2" rel 1	"reset.5" prg 13	"calendar b128" prg 18	"towers of hanoi" prg
1 "+++UTILITIES+++ " prg 12	"B-Function Key" prg 6	"pirate adventure" prg 20	"3d tic tac toe" prg
24 "!copy": prg 1	"test.1" prg 14	"disklook b128" prg 1	"-----lc-----" seq
3 "/transfer" prg 1	"test.5" prg 19	"diskmgr b128" prg 3	"lc rs232" seq
11 "!file copy": prg 25	"B-X Term Program" prg 34	"file control 128" prg 26	"cooper RS232" seq
9 "!clean": prg 8	"B-Memory Peeker" prg 5	"loan b128" prg 14	"directory" seq

325 blocks free.

PRE-RELEASE #2

PR-2

\$9.00

#12839

0 "pre-release2" p2 2c 29	"print and repair" seq 15	"file" prg 17	"ea29-ecff" seq
12 "!!--NOTICE--!!" seq 2	"-----cp-----" seq 24	"doc1" prg 2	"ed00-ed0b" seq
3 "-----cn-----" seq 7	"int-earnings" prg 15	"doc2" prg 5	"ed0c-edff" seq
10 "a directory" prg 4	"mortgage" prg 10	"recover" prg 14	"ee00-eed4" seq
2 "a disclaimer" prg 8	"mtg comparison" prg 7	"logger" prg 2	"eed5-eef8" seq
42 "address 128" prg 7	"int-earn/print" prg 6	"exam" prg 4	"eef9-ef2e" seq
15 "alpha-copy b128" prg 4	"mtg/print" prg 1	"bang" prg 1	"ef31-ef4b" seq
2 "bank poke check" prg 9	"mtg-comp/print" prg 41	"quick" prg 43	"ef4c-f1c0" seq
32 "calendar print" prg 8	"inventory" prg 4	"-----rb-----" seq 2	"f1c3-f220" seq
4 "change disk" prg 8	"inv/print" prg 8	"print me out 1st" seq 48	"f221-f4ed" seq
4 "check disk" prg 11	"amortize-loan" prg 16	"pre-cat" prg 29	"f4ee-f67e" seq
29 "disk pro file" prg 11	"amort-loan/print" prg 12	"keywords" prg 53	"f67f-f994" seq
4 "key" prg 4	"-----ss-----" seq 17	"joy.msc" prg 1	"f995-f998" seq
26 "magazine indexer" prg 8	"bcopy" prg 8	"tocatta.msc" prg 22	"f999-fafc" seq
9 "menu" prg 18	"editor" prg 8	"baby.msc" prg 2	"fafd-fb30" seq
5 "merge" prg 22	"oddsline" prg 2	"laser.sid" prg 71	"fb31-ff3d" seq
7 "open rel file" prg 10	"lottery" prg 3	"blast.sid" prg 2	"ff3e-ff6b" seq
3 "print seq file" prg 5	"lotto" prg 2	"moviputer.sid" prg 10	"ff6c-fff8" seq
9 "printer test" prg 21	"finance" prg 2	"bell.sid" prg 1	"fff9-ffff" seq
1 "read rel file" prg 9	"checkbook" prg 2	"steam.sid" prg 15	"prelay.epson" prg
6 "renumber" prg 15	"phone list" prg 2	"heavy metal.sid" prg 15	"prelay.cbm" prg
1 " directory " seq 20	"book keeper" prg 17	"flashmath.edu" prg 2	"kalidascope" prg
32 "calr" prg 27	"home acc." prg 69	"e000-e3ff.ss" seq 8	"enterprise.pic" prg
4 "-----dh-----" seq 109	"stocks C-64" prg 60	"e400-e780" seq 8	"verbolic.pic" prg
20 "setup.p" seq 21	"unblitz" prg 2	"e781-e7bd" seq 8	"nuclear.pic" prg
17 "print.p" seq 35	"d2" prg 32	"e7be-e984" seq 16	"craps.gam" prg
13 "-----ms-----" seq 5	"d3" prg 2	"e985-e9b8" seq 8	"E.pic" prg
27 "format speed err" seq 14	"multi" prg 9	"e9b9-ea28" seq 8	"title.pic" prg

449 blocks free.

This is one of CBUG's famous (or infamous) Pre Release disks. The later for it keeps members up for night after night enjoying the untangling of whatever is on them. We don't know a thing about this material -- members are on their own! BUT, fun I'm told it is! As usual there are several ultra important files, however. From Warren Kernaghan, are two files, an RS232 to printer hook up and a permanent fix for the 8050 speed problems. From William Wolf, another RS232 to printer configuration. From Jim White, updates on the Superbase Labels programs, and not to forget, the bunch of files I added to V1.2 of Norm's Utility that the early purchasers missed. Some comments from Mark Schwarzbauer on 8050 speed problems, Marilyn Gardner's graphics programs, lots of assorted games, and Russ Beinders latest annotated downloads of the B128 guts for you programmers. Now if that is not enough, there are only 12 blocks free -- you'll just have to complain to CBM that there is not enough room on a disk!

1	"Pre-Release 3	" 84 2c	3	"Ddfreport"	seq	1	"-----rb.-----"	seq	24	"940e-9593"	seq
3	"THIS DISK read m"	seq	27	"!!--NOTICE--!!!"	seq	1	"-----au-----"	seq	83	"9b06-9f9b"	seq
16	"rev ship labels"	prg	1	"WHITE RE-UPDATE"	seq	21	"screenform.doc"	seq	1	"a0d0-a0d4"	seq
1	"-----speed-----"	seq	8	"labels.p"	seq	11	"screenform"	prg	52	"a0d5-a3a2"	seq
27	"format speed err"	seq	7	"hlabels"	seq	4	"setkeys"	prg	1	"a3a5-a3b3"	seq
1	"-----cp-----"	seq	16	"README.DOC"	seq	22	"ammo"	prg	23	"a3b4-a50c"	seq
28	"256K upgrade"	seq	7	"Mark on Speed et"	seq	1	"-----rb!-----"	seq	2	"a50d-a536"	seq
29	"b128 expansion"	prg	1	"-----tb-----"	seq	4	"bigclock1"	prg	6	"a537-a584"	seq
1	"-----mg-----"	seq	2	"loader"	prg	6	"bigclock2"	prg	2	"a585-a5b2"	seq
4	"line plot"	prg	4	"scroll"	prg	13	"prelay.epsom/ada"	prg	11	"a5b3-a650"	seq
4	"plot"	prg	4	"num gam 4 2"	prg	2	"doctor.ovl"	usr	1	"a651-a658"	seq
11	"double column"	seq	3	"reac timer"	prg	9	"set.cmd"	prg	13	"a659-a723"	seq
2	"load run instr"	prg	106	"create a story"	prg	8	"plotrig"	prg	3	"a726-a790"	seq
2	"loading instruct"	seq	14	"cartoon"	prg	7	"lissajoo"	prg	37	"a791-ac59"	seq
1	"-----rl-----"	seq	6	"practi joke"	prg	8	"doctor.scr"	prg	85	"ac5c-b11c"	seq
29	"datafile"	prg	1	"-----wk-----"	seq	40	"doctor drive"	prg	3	"b7bf-b80d"	seq
29	"dfmail"	prg	13	"rs-232 letter"	seq	1	"8000-8005"	seq	57	"b80e-bb20"	seq
29	"dfreport"	prg	51	"dir restoration"	seq	1	"8a90-8a93"	seq	1	"bb21-bb29"	seq
9	"bargraph.rl"	prg	24	"rs232 typewriter"	seq	2	"9596-95c0"	seq	6	"bb2a-bb7e"	seq
13	"invoicer.c"	prg	9	"ss2/8050"	seq	19	"95c1-96c8"	seq	2	"bb7f-bbaf"	seq
50	"lost gold adv"	prg	1	"-----ww-----"	seq	2	"9f9c-9fc9"	seq	12	"bbb0-bc25"	seq
2	"df] example"	seq	5	"WOLF RS232 print"	seq	19	"9fca-a0cf"	seq	18	"bc2a-bfff"	seq
1	"<-instructions->"	prg	4	"WOLF C64 to B128"	seq	63	"8550-88af"	seq	1	"b540-b546"	seq
3	"Dbargraph.rl"	seq	129	"WOLF disk tips"	seq	34	"88b0-8a8f"	seq	68	"b11f-b53f"	seq
3	"Dinvoicer.c"	seq	1	"-----kw-----"	seq	69	"8a94-8e77"	seq	41	"b547-b7be"	seq
3	"Dlost gold adv"	seq	44	"wiz inst"	seq	1	"96cb-96cf"	seq	27	"8006-854f"	seq
7	"Ddatafile"	seq	68	"wiz"	prg	75	"96d0-9b03"	seq	1	"FINALE"	seq
3	"Ddfmail"	seq	1	"-----rb-----"	seq	94	"8e7a-940b"	seq	12	blocks free.	

Lets see what we have in this potpourie. Just glossing over the authors, Garrett Bibb is one of our many capable programmers, as is Dick Wilkinson. Louis Lohman took a shot at a TPUG disk and found the only directly working program was "new list 8050" -- should give some others a challenge or two. Gary Anderson of the 1Meg memory upgrade gave us a screen action, bombs, trajectory and all. Jim Marusek wrote an extensive instruction file for Mr. Swan's Star Trek before there was one available and a couple of programs he's donated as well. Dave Runion provided a collection generally from TPUG including a simplistic disk speed display program -- no match for Physical Exam, but definitely better than tearing the drive apart to use the bottom strobe wheel! -- plus a bunch of hand business and math programs. William Wolf addresses some of the issues in C-64 to B128 conversions and some hardware aids to help the project along. Jim Whatley provides us with programs that certainly belong on the beginning of the Educational Sig disks, in this case a series of programs for the typing teacher -- testing and much more. The grading programs are likely of use for other types of classes as well. Mather Goldstein sent in a collection of his favorites including a nice simple checkbook and tax record keeping program, and a direct to printer program so you can use your computer as a typewriter line at a time! And last, a new terminal program for the B128 from an editor of Transactor Magazine, Chris Zamara hand carried to us by Jessie Knight. This appears to be a machine language x-modem type program capable of running all the way to 19,200 baud.

This, no doubt, is the best Pre-Release disk CBUG has ever offered. Nearly everything is expected to work right out of the box. The only reason we have put this stuff on a Pre Release disk is there is no place better to put it and get it all to you right hot bang now!

There's got to be something in here for everyone.

1	"Pre Release #4	" 74 2c	10	"diskmod.w"	prg	10	"inst.B-Labyrinth"	seq	3	"WOLF letter.form"	seq
2	"-----gb-----"	seq	9	"fkey template.ss"	seq	3	"-----dr-----"	seq	30	"skyles ieee"	seq
1	"-- utilities --"	seq	28	"f-key template"	prg	12	"list-me (p)t7.1"	prg	4	"WOLF C64 to B128"	seq
9	"read mo.BAS"	prg	2	"-----ll-----"	seq	4	"diskspeedtestb.z"	prg	22	"sys.0.cnfg.a3"	prg
12	"to norman"	seq	5	"universal wedge"	prg	3	"find type.z"	prg	2	"-----jw-----"	seq
16	"assembler.BAS"	prg	23	"mail list 4.1"	prg	56	"super store.8"	prg	17	".menu"	prg
6	"data entry.BAS"	prg	20	"mail list 2.0"	prg	15	"flying charges.8"	prg	1	".directory"	seq
3	"data correction."	prg	12	"format"	prg	9	"unicopy inst.p"	prg	16	"timed typing II"	prg
13	"memory mon.BAS"	prg	43	"update"	prg	7	"unicopy4.p"	prg	114	"project typing"	prg
7	"dir to ptr.BAS"	prg	29	"print"	prg	8	"savings acct.8"	prg	7	"grade averager"	prg

4	"status form.BAS"	prg	3	"menu"	prg	8	"loan payment.8"	prg	9	"superscript load"	prg
1	"_ games _"	seq	10	"mail backup"	seq	52	"the evaluator.p"	prg	7	"student grader"	prg
14	"caves of ice 128"	prg	12	"journal"	prg	11	"file create.p"	prg	15	"timed typing I"	prg
10	"states tutor.BAS"	prg	23	"tax 80 ont v3.0"	prg	37	"disp/avg/list.p"	prg	9	"disk information"	prg
2	"_dw_"	seq	23	"mail list 4040"	prg	48	"nomenclature.p"	prg	7	"add new program"	prg
7	"read first.ss"	seq	41	"4040 update"	prg	43	"organic names.p"	prg	?	"_mg_"	seq
4	"chg ld addr.ss"	seq	5	"4040 format"	prg	20	"rutherford.p"	prg	13	" menu"	prg
11	"chg ld addr v1.w"	prg	25	"4040 print"	prg	23	"density cal.p"	prg	28	"copy-all v3.1"	prg
5	"G-Solitaire.ss"	seq	3	"4040 menu"	prg	12	"spd orbitals.p"	prg	2	"_copy-a.21c3c"	prg
23	"G-Solitaire.w"	prg	23	"mail list 8050"	prg	13	"scale reading.p"	prg	1	"_a_"	prg
6	"disk log b128.ss"	seq	6	"8050 format"	prg	50	"data analysis.p"	prg	1	"_applications_"	prg
16	"disk log b128.w"	prg	42	"8050 update"	prg	6	"consumer loan.8"	prg	1	"_a_"	prg
7	"basic x-ref.ss"	seq	3	"8050 menu"	prg	9	"auto loan.8"	prg	64	"autoexp v1.1"	prg
11	"basic x-ref.w"	prg	25	"8050 print"	prg	7	"retirement.8"	prg	70	"checkbook v1.2"	prg
6	"directorysort.ss"	seq	25	"interest"	prg	9	"spheres.8"	prg	1	"_w_"	prg
7	"directory sort.w"	prg	23	"new list 8050"	prg	18	"payload.8"	prg	1	"_wordprocess_"	prg
4	"cassettelabel.ss"	seq	4	"run me first"	prg	18	"bar graphic.8"	prg	1	"_w_"	prg
15	"cassette label.w"	prg	1	"_ga_"	seq	33	"rock trivia.8"	prg	9	"typewriter v1.4"	prg
4	"checkbook.ss"	seq	29	"b128 bomber"	prg	4	"b128/8050 speed"	prg	1	" directory "	seq
9	"checkbook.w"	prg	2	"_jm_"	seq	1	"_ww_"	seq	3	"_cz_"	seq
6	"disk master.ss"	seq	37	"inst.star.trék"	seq	22	"SKYLES MOD for B"	prg	17	"bterm.bas"	prg
31	"disk master v2.w"	prg	11	"special.char"	seq	5	"WOLF RS232 print"	seq	17	"bterm.pal"	prg
10	"diskmod.ss"	seq	55	"nuke b128"	prg	24	"SKYLES IEEE"	prg	2	"bterm.obj"	prg

59 blocks free.

PRE-RELEASE #5

PR-5

\$9.00

#12542

The Pre Release series are programs contributed by numerous members. Some member written, some converted from other systems. None of these programs have been checked by CBUG or our review staff. In the past many if not most have been reported as outstanding, and occasionally one if found to be inoperable. In putting these materials into circulation as quickly as we can, members have an early chance at finding things they need as well as productive challenges to work on, upgrade, adapt, etc. Fortunately this time the majority of the contributors have provided annotated directories.

Neil Cumfer did one better: Jazz up your SuperScript documents printed on the 4023 printer with graphics! Create borders and boxes, draw bar graphs, even use the spades/hearts/diamonds/clubs symbols. Details in "ssgraphics" and "graphics update." Two files describe how to use Teleterm80, including XMODEM transfers. "Autolinegen" is a godsend to programmers, who now no longer have to keep track of line numbers in BASIC. Ever want a list of disk filenames with a specified extension? Use "searchdirectory" for this, or when you can remember only part of a filename. If you've ever read a CompuServe Data Library file only to get an unending stream of hexadecimal characters, you'll love "hexconverter". True autoboot on the B? Of course not, but "autoboot" is the next best thing: if you find yourself using several different programs each time you sit down at your orphan, load it up and then when ready load & run your next program from either disk with a single keystroke.

1	"CBUG Pre #5	" p5 2c	17	"label editor"	prg	Different kind of label printer. Must see.	
19	"cash specs"	prg	A	currency selection program			
15	"letter"	seq	5	"marquee"	prg	Just a little play-around screen freeze demo.	
1	"_above_"	seq					
3	"_nc_"	seq	9	"monthlypay"	prg	Computes monthly payments on borrowed amounts.	
8	"contents"	prg	BASIC prg (shift/run), describes these files				
35	"teleterm80/elem"	seq	SS Teleterm80 for beginners				
42	"teleterm80/adv"	seq	SS instructions for Teleterm80, including XMODEM loads and downloads	13	"mortgage"	prg	Computes payment and escrow, shows interest costs.
29	"ssgraphics"	seq	SS graphics on 4023 from SS; #1	40	"term.b128.300"	prg	300 baud terminal w/buffer, xmodem, phone directory.
25	"graphics update"	seq	SS graphics on 4023 from SS; #2	41	"term.half-duplex"	prg	As above, to communicate with another PC; w/echo. Phew! The End, finally.
29	"grafx maketables"	prg	BASIC prg, revision of 'ss2 maketables'	1	"_gk_"	seq	
2	"ss2 tables"grafx	prg	binary prg, how to make graphics	83	"mail pro"	prg	This is a high speed high capacity (15-20,000) mailing list program. After a customer name is entered, the pgm prohibits you from entering that same name again! It goes into edit section. A ML pgm checks for duplication of that customer's number part of the address. When you run labels you must first delete lines 30 and 20000 up. To start you must manually open the original files as in lines 4000-5000.
6	"autolinegen"	prg	BASIC prg, use F10 to make line numbers	18	"rev mail pro"	prg	Upgraded version of above
9	"searchdirectory"	prg	BASIC prg, internal string search of dir	1	"_mg_"	seq	
8	"hexconverter"	prg	BASIC prg, fixes CompuServe files	18	" menu v2"	prg	w/non-selectable '---header---##' files
7	"bootmaker"	prg	BASIC prg, setup for 'autoboot'	28	" menu v2"	prg	seq file display & print option define & insert '---header---##' files
2	"autoboot"	prg	BASIC prg, one-key load&run for any prg	2	"_copy-a.21c3c"	prg	same as before m/1 for copy-all
1	"keyrestore"	prg	BASIC prg, resets functions keys	1	"_btxfer.fe48"	prg	same as before m/1 for copy-all
4	"blurb"	seq	blurb for these files	64	"autoexp v1.2"	prg	from CBUG#5 w/additional featr
5	"annotations"	seq	this file				
1	"_jb_"	seq					
	horizontal message						
3	"framer"		visual effect for game or quiz prg				
3	"pokeshow"		pokes bank 15 memory to screen				

14	"tank vs ufo"	crude	VIC-2C game adapted to B128	72	"checkbook v1.3"	prg	from CBUG#5 w/additional featrs
1	"-----cb-----"	seq		1	" directory "	seq	sample using menu v2 (incomptable w/old)
10	"directory.ss"	seq	This document.				
3	"about author.ss"	seq	Name, Address, incidentals.	4	"mg protocol"	seq	protocol project for progmers
1	"<- <sup>2</sup> -AUTHOR- <sup>2</sup> ->"	seq	Marker only.	12	"var. copy-all"	seq	annotated variable listing
5	"read first.ss"	seq	Sort of a freeware statement.	3	" menu.instr"	seq	instructions for menu v2
1	"<-----DOCS----->"	seq	Program documentations follow.	8	" annotation .scn"	prg	
17	"abc.ss"	seq	>	3	"----directory"	seq	
			3 "cst.chr.chart.ss"	1	"-----utility-----"	seq	
2	"hex-dec.ss"	seq	> When, Where What-for, and Why	1	"--applications--"	seq	
5	"label.ss"	seq	> explanations for the programs	1	"-----text-----"	seq	
14	"label editor.ss"	seq	> that follow in the section	3	"mg annotation"	seq	
2	"marquee.ss"	seq	> under the heading	4	"-----wk-----"	seq	
4	"monthlypay.ss"	seq	> "<-----PRGMS----->". I have	4	"directory"	seq	This file.
4	"mortgage.ss"	seq	> attempted to cover everything	66	"checkers80.gb"	prg	From CBUG #4, compiled with Petspeed, uses b15.
17	"term.b128.300.ss"	seq	> completely enough to make the				ditto above
7	"trm.hlf-duplx.ss"	seq	> use of the programs very	53	"chg addrv2.gb"	prg	Program addresses, ditto
			simple. Program details	50	"prog adds.gb"	prg	Program needed to run above
			below.	1	"b15"	prg	compiled programs.
1	"<-----PRGMS----->"	seq	Marker only. Programs follow.				Contents for Swan's 4.0 + tutorial.
17	"abc"	prg	Sorts inputs alphabetically.	22	"basic4.0 conts"	seq	Article on a C= B500 computer.
			Searches,Prints,etc.				Contents of 002, with bad pages shown.
40	"address"	prg	Alphabetic address, phone book.	6	"b500"	seq	Contentst of 003, " " " "
			Search,print,etc.	9	"cbugarchive002+"	seq	Article on converting 8050 DOS 2.5 to 2.7.
3	"cust.char.chart"	prg	Makes charts for custom				Article on SB class in K.C.
			character layout.	15	"cbugarchive003+"	seq	
10	"hex-dec"	prg	Converts decimals to hex code	11	"dos2.5"	seq	
			& vice-versa.				
10	"label"	prg	Prints five line labels,	5	"sb meeting"	seq	
			includes bold.				
1	"-----jk-----"	seq	17 "abc"	17	" menu"	prg	3 "scrn format"
8	"Autostart"	prg	40 "address"	1	"screen dump"	prg	1 "feminist's"
1	"Utilities"	prg	3 "cust.char.chart"	1	"magic protector"	prg	1 "waves"
130	"Roms S/No.01650"	prg	10 "hex-dec"	3	"typewriter"	prg	8 "patterns"
1	"(610-WGermany)"	prg	10 "label"	3	"ac directory "	seq	3 "recipe"
130	"Roms S/No.02349"	prg	17 "label editor"	2	"screenprint"	prg	5 "keyboard matrix"
1	"(710-WGermany)"	prg	5 "marquee"	2	"password"	prg	3 "alphabet slalom"
1	"k"	prg	9 "monthlypay"	2	"ascii finder"	prg	4 "vtab"
6	"Fn Key Instrns"	seq	13 "mortgage"	4	"speedy"	prg	1 "bubble sort"
6	"Demo Windows "	prg	40 "term.b128.300"	1	"z16"	prg	1 "shell sort"
1	"-----tc-----"	seq	41 "term.half-duplex"	5	"chr\$ codes"	prg	1 "underlining"
8	" MENU"	prg	1 "<-----ESCAPE----->"	3	"for next hint"	prg	2 "centered prtng"
1	" directory "	seq	3 "escape read.ss"	2	"get 2"	prg	12 "utility audit"
6	"RUN/STOP KEY"	seq	3 "zenith width.ss"	3	"get"	prg	2 "data statements"
6	"ss.RUN/STOP KEY"	seq	11 "more modems.ss"	2	"get 3"	prg	5 "roman"
9	"-----cb-----"	seq	16 "screen window.ss"	3	"get 4"	prg	1 "wait"
9	"directory.ss"	seq	8 "extra banks.ss"	2	"data err fndr"	prg	1 "peek 2"
3	"about author.ss"	seq	3 "-----lh-----"	2	"angles (sin of)"	prg	1 "flashing screen"
1	"<- <sup>2</sup> -AUTHOR- <sup>2</sup> ->"	seq	12 "Software List"	3	"comma files"	prg	1 "timer"
5	"read first.ss"	seq	2 "-----et-----"	1	"adding machine"	prg	5 "msx"
1	"<-----DOCS----->"	seq	6 "dooley"	1	"adding machine+"	prg	1 "def fn"
17	"abc.ss"	seq	31 "monster combat"	8	"book names"	prg	3 "printat"
22	"address.ss"	seq	1 "monster us"	2	"binary quiz"	prg	2 "bug"
3	"cst.chr.chart.ss"	seq	10 "memo1 assembler"	2	"binary table"	prg	4 "delay loop"
2	"hex-dec.ss"	seq	10 "A Mad World"	2	"get 5"	prg	4 "printat+"
5	"label.ss"	seq	6 "memo2 user"	7	"dr psycho"	prg	2 "scrolling"
14	"label editor.ss"	seq	1 "monster hall"	2	"rs232 example"	prg	4 "jump search"
2	"marquee.ss"	seq	5 "-----mg-----"	6	"magic menu"	prg	1 "file1 .descr"
4	"monthlypay.ss"	seq	1 "-----lh2-----"	4	"profit"	prg	1 "file1 .key01"
4	"mortgage.ss"	seq	4 "horn.compiler"	7	"temp conv"	prg	2 "dynamic 1"
17	"term.b128.300.ss"	seq	25 "horn.ssgraphics"	1	"ascii"	prg	2 "dynamic formula"
7	"trm.hlf-duplx.ss"	seq	8 "horn.teleterm.in"	1	"peek"	prg	1 "prog loader"
1	"<-----PRGMS----->"	seq	10 "-----ac-----"	7	"mem jogger"	prg	2 "-----gk-----"
							35 blocks free.

PRE-RELEASE #6

PR-6

\$6.00

#12557

This was the beginning of Pre-Release #6, which because it has two very valuable files on it already, we are going to let out in advance of its completion. Since the disk is not full, better yet we are going to offer it a \$6.00. <<<It was later decided to leave PR-6 alone and move on to higher numbers, so this is it, folks!>>>

Mathew Goldstein has again upgraded his checkbook program, which has been subject to several upgrades by him and others. It inturn was improved upon a checkbook program which appeared elsewhere in the utilities disks but reportedly was not as good as it should have been.

Jack Mangold provides us with a program for making Function Key overlays. Best yet an index to the Protecto Programmers Guide.

1 "pre6 partial" p6 2c									
18 "Mastermenu/c" prg	features: copy, delete, rename, speedup,	2 "check.sample" seq	13 features, menu driven.						
24 "Mastermenu" prg	switch drives, with error trapping,	1 "--instructions--" seq							
15 "Masterdirectory" rel	automatic updating... for every disk	20 "Master.instr" seq							
1 "--applications--" seq		4 "checkbook.instr" seq							
81 "checkbook v1.6" prg	debugged with reconcile, user friendly,	1 "-----above-----" seq							
2 "-----bd-----" seq	2 "-----jm-----" seq	8 "overlay" seq	1790 blocks free.						
7 "bank it" prg	3 "alpha" prg	72 "ref index" seq							

**PRE-RELEASE #7 — DAVE WACKS' ASSORTMENT PR-7**  
Replaced by PR-15

**PRE-RELEASE #8 CP/M 86 INFO & PGMS /1 PR-8 \$9.00 11611**

This is material for use with the 8088 co-processor and is intended for advanced programmers only.

John Wright has available the largest repository of CP/M 86 software in the world. Nearly all of which is public domain! Not a small amount either by many many hundreds of megabytes of it. The whole thing placed on B128/8050 style disks will be an incredible pile..... Alas, however, John is undertaking to get some of the more important information and necessary utility programs out to those CBUG members who've acqired the co-processor board. Admitted these are very very few, but their success with this information and the following three disks will enhance the practicality of a 8088 co-processor equiped B128, which inturn will encourage manufacture of more co-processors, and improvements on them. We owe a huge vote of thanks to John for undertaking this Herclean task.

While these disks appear as a standard 8050 disk, which infact is what they are, the data on them will need to be ported out of the B128 into a suitable compatable or clone, then back into the B128 under 8088 control. Yes, the 8050 can store data in a form which looks to the software as standard CP/M 86 and/or IBM. However at that point the directory doesn't exist in B128 mode. A few of the files on each disk are in Superscript form for immediate perusal.

There are three disks being released this issue and Mr. Wright intends to continue providing more on a regular basis.

1 "cp/m-86" 01 2c	526 "catalog.doc.1" seq	74 "lu86.cmd.1" prg	92 "ffynde.asm.1" seq
3 "to-norm.sii.1" seq	63 "apc-dump.lbr.1" prg	156 "lu86-2.lbr.1" prg	18 "ffynde.cmd.1" prg
7 "guide.sii.1" seq	44 "bidump86.lbr.1" prg	57 "print86.lbr.1" prg	16 "ffynde.com.1" prg
5 "directory.sii.1" seq	6 "bishow86.cmd.1" prg	27 "typesq86.lbr.1" prg	162 "cnvadv.hlp.1" seq
52 "delbr.com.1" prg	46 "bishow86.lbr.1" prg	457 "80t86.lbr.1" prg	72 "usq.cmd.1" prg
8 "usq.com.1" prg	37 "ltype86.lbr.1" prg	101 "ffynde.a86.1" seq	16 "sq.cmd.1" prg
			7 blocks free.

**PRE-RELEASE #9 CP/M 86 INFO & PGMS /2 PR-9 \$9.00 11625**

See above. This is material for use with 8088 Coprocessors and is intended for advanced programmers only.

1 "cp/m-86" 02 2c	36 "siosys.a86.1" seq	102 "mdm840.hq6.1" prg	21 "cbaddr.z80.1" seq
2 "to-norm.sii.2" seq	100 "main.a86.1" seq	6 "mdm840.nqt.1" prg	63 "code8086.z80.1" seq
10 "guide.sii.2" seq	9 "finish.a86.1" seq	72 "m8lib.aq6" prg	1 "codecb.z80.1" seq
7 "directory.sii.2" seq	44 "files.a86.1" seq	14 "m8lib.cmd.1" prg	19 "codeed.z80.1" seq
38 "modem-86.doc.1" seq	8 "deff.a86.1" seq	3 "m8lib.doc.1" seq	8 "edaddr.z80.1" seq
163 "modem9xx.doc.1" prg	47 "console.a86.1" seq	16 "m8nm-40.aq6.1" prg	21 "jumpaddr.z80.1" seq
100 "sendrecv.a86.1" seq	34 "8251sys.a86.1" seq	4 "f47-test.a86.1" seq	223 "cp4ker.doc.1" seq
62 "term.a86.1" seq	33 "2651sys.a86.1" seq	3 "f47-test.cmd" prg	55 "cp4ker.com.1" prg
10 "modem.a86.1" seq	500 "mdm840.aq6.1" prg	39 "z80.a86.1" seq	29 blocks free.
24 "start.a86.1" seq	105 "mdm840.dqc" prg	21 "z80.cmd.1" prg	

**PRE-RELEASE #10 CP/M 86 INFO & PGMS /3 PR-10 \$9.00 11630**

See above. This is material for use with 8088 Coprocessors and is intended for advanced programmers only.

1 "cp/m-86" 03 2c	78 "qsort.lbr.1" prg	333 "fastvf86.lbr.1" prg	6 "bishow86.cmd.1" prg
2 "to-norm.sii.3" seq	251 "ty.lbr.1" prg	39 "frag86.lbr.1" prg	46 "bishow86.lbr.1" prg
10 "guide.sii.2" seq	78 "apc-caln.lbr.1" prg	96 "grab86.lbr.1" prg	37 "ltype86.lbr.1" prg
5 "directory.sii.3" seq	74 "apc-date.lbr.1" prg	31 "save0-86.lbr.1" prg	57 "print86.lbr.1" prg
317 "encol.lbr.1" prg	64 "apcserio.lbr.1" prg	36 "wc86.lbr.1" prg	27 "typesq86.lbr.1" prg

From: Col. John Wright

This and the next three disks are material for use with the 8088 co-processor and is intended for advanced programmers only.

TO NORMAN

Norm, here is disk four of CP/M-86 files that I have found. All these have come from a "Public Domain" archive file found on the Defense Data Net.

The last file on the disk is a listing of all the remaining CP/M 86 files that I can obtain from this one directory. As you can see, it is very lengthy. There are many other files for CP/M 80 and other CP/M operating systems. In fact all the files would probably fill one or two disks, and that would just be the file descriptions. If you want the CP/M 80 files as well (I have already provided a 80-86 emulator), let me know. Next disk will be coming shortly, I will be out of town this month, but will work while I am away.

I have not gotten any feed-back on the usefulness of the files I have already sent. Are they useful?

Another question, will the 8088 cpu be available to us with the Protecto package so we can upgrade our systems? <<A qualified yes. All boards available are from N.W. Music (see ads). Some members here and in Europe are designing and planning to fabricate coprocessor boards -- most likely using the V20 chip>> From the description in the "GREY" Users Guide, it looks like the 8088 will also run MS DOS. <<The version of MS-DOS implemented is quite obsolete. Several members are dilligently trying to upgrade it to a current version as well as fix the operating system bugs. Prognosis is fairly good>> If that is really the case, then I have access to an even larger collection of these files.

Have fun with this one, let me know if you have any special requirements or needs that I can help with.

0 "cp/m-86	" 04 2c	16 "flip44.aq6"	prg Flips modem mode, CP/M 86 version
6 "to-norm.sii.4"	seq	44 "help15.aq6"	prg Displays help files, CP/M 86 version
1 "directory.sii.4"	seq	11 "help15.cmd"	prg /
10 "guide.sii.4"	seq	87 "pause.cmd"	prg Pause during SUBMIT CP/M 86 version for
15 "addlf.cq"	prg Adds LF after CR in text files	7 "pause86.cq"	prg DRI C
80 "chat.cmd"	prg RCPM CHAT utility rewritten in	27 "tag3.aq6"	prg Set attributes on CP/M 86 files for
12 "chat86.cq"	prg DRI C	5 "tag3.cmd"	prg RCPMs
6 "ctype.hq"	prg RT-11 TO CP/M 86 disk transfer for DRI C	5 "u.cmd"	prg Changes drive/user CP/M 86 MP/M 86
4 "errno.h"	seq	27 "u-ccpm.aq6"	prg /
7 "portab.hq"	prg	8 "usq.com"	prg Unsqueezes squeezed files
23 "rt11.cq"	prg	15 "crc.cmd"	prg CP/M 86 checksum program
102 "rt11.cqd"	prg	11 "usq.cmd"	prg CP/M unsqueezer
21 "rt11.dqc"	prg	74 "lu86.cmd"	prg CP/M 86 library utility
6 "rt11.h"	seq	77 "freebase.lbr"	prg Data base program
1 "rt11.inp"	seq	15 "mem.lbr"	prg Creates RAM disk
33 "rtfile.cq"	prg	333 "res86.lbr"	prg CP/M 86 RESOURCE disassembler
13 "rtmisc.cq"	prg	45 "splitter.lbr"	prg Segments files for copying
16 "rtmisc1.aq6"	prg	54 "tlabel86.lbr"	prg CP/M 86 Label printer
5 "setjmp.hq"	prg	21 "wysefk21.aqm"	prg
5 "stdio.h"	seq	117 "files:sii.1"	seq CP/M 86 files yet to be downloaded

687 blocks free.

From: Col. John Wright

Here is disk five of CP/M-86 files that I have found. All these have come from a "Public Domain" archive file found on the Defense Data Net.

I think that I have solved the seq file problem. It appears that when I use TELKLETERM80 to download, the "ALTERNATE" character set is sent. Must be an interface problem with DDN and TELE. The pgm files seem to work fine. In this disk I have solved the problem in two ways:

1. Used BEELINE to download into buffer then saved Buffer.
2. Used Kermit on my C-64 to download multifiles, then used Tele. to download from the C-64 using Punter protocole. The later seems faster even at 300 baud.

The SEQ files downloaded directly from DDN can be read using "SEQ LIST CBM/ASC" pgm found on Kernaghans Utility disk. I think the problem lies with the difference between ASCII files and CBM ASCII files.

At any rate, this disk contains a series of files downloaded from a library called "GASP (General Activity Simulation Program). I don't know exactly what it is supposed to do, but it is a very long library. In fact the remaining files are on disk #6. All files were provided by the Japan User Group, so your guess is as good as mine. Documentation is provided, so maybe someone can figure out what it does.

You will notice that there are several files with the "FOR" extension. I believe these are listings of subroutines written in FORTRAN. There are also assembly files available (F86 and R86 extensions). These are supposedly executable program files.

Have fun with this one, and let me know what you find out.

0	"cp/m-86	" 05	2c				
7	"to-norm.sii.4"	seq					
8	"directory.sii.4"	seq	This file				
11	"guide.sii.4"	seq	Updated guide for disk 5				
131	"gaslib.r86"	prg	Relocatable GASP module for CP/M-86				
2	"gasp11.dat.1"	seq	Data file for USER1.CMD				
2	"gasp1.dat.1"	seq	"				
2	"gasp12.dat.1"	seq	"				
2	"gasp2.dat.1"	seq	Data file for USER2.CMD				
4	"gasp3.dat.1"	seq	Data file for USER3.CMD				
2	"gasp4.dat.1"	seq	Data file for USER4.CMD				
156	"user1.cmd.1"	prg	Executable code of USER1.F86				
162	"user2.cmd.1"	prg	Executable code of USER2.F86				
161	"user3.cmd.1"	prg	Executable code of USER3.F86				
158	"user4.cmd.1"	prg	Executable code of USER4.F86				
15	"arrvl3.for.1"	seq	Simulating arrival event for USER3.F86				
12	"arrvl4.for.1"	seq	Simulating arrival event for USER4.F86				
7	"colct.for.1"	seq	Routine to Collect the sample data				
23	"datan.for.1"	seq	Initialization routine of GASP variables				
5	"drand.for.1"	seq	Generation of uniform random numbers				
9	"endsm3.for.1"	seq	END of Simulation routine for USER3.F86				
7	"endsm4.for.1"	seq	END of Simulation routine for USER4.F86				
11	"endsv3.for.1"	seq	END of Service routine for USER3.F86				
13	"endsv4.for.1"	seq	END of Service routine for USER4.F86				
8	"error.for.1"	seq	Error reporting routine				
8	"evnts3.for.1"	seq	Events control routine for USER3.F86				
8	"evnts4.for.1"	seq	Events control routine for USER4.F86				
9	"exa1.for.1"	seq	Main of USER1.F86 and USER2.F86				
9	"exa3.for.1"	seq	Main of USER3.F86				
11	"exa4.for.1"	seq	Main of USER4.F86				
8	"filem.for.1"	seq	To store the vector in file				
150	"gaslib.f86.1"	prg	GASP subroutine library for CP/M-86				
14	"gasp.for.1"	seq	Master control routine				
2	"gasp1a.dat.1"	seq	Data file for USER1.F86 (Originally GASP1.DAT.				
2	"gasp2a.dat.1"	seq	Data file for USER2.F86 (Same as above)				
4	"gasp3a.dat.1"	seq	Data file for USER3.F86 (Same)				
2	"gasp4a.dat.1"	seq	Data file for USER4.F86 (Same)				
8	"histo.for.1"	seq	Histogram to tabulate data				
9	"montr.for.1"	seq	Data monitoring routine for USER1.F86				
10	"montr2.for.1"	seq	" USER2.F86				
10	"montr3.for.1"	seq	" USER3.F86				
11	"montr4.for.1"	seq	" USER4.F86				
11	"otput3.for.1"	seq	-Output-routine for USER3.F86				
8	"otput4.for.1"	seq	" USER4.F86				
12	"prntq.for.1"	seq	Print routine				
4	"randu.for.1"	seq	Generation of uniform random number				
8	"rmovr.for.1"	seq	Remove routine				
31	"set.for.1"	seq	This routine is the heart of information				
13	"sttup.for.1"	seq	Subroutine to reset simulation				
14	"sumry.for.1"	seq	Routine for reporting results				
7	"tmst.for.1"	seq	Computation of statistics				
5	"tstrnd.for.1"	seq	Test program for DRAND.FOR				
58	"user1.f86.1"	seq	Sample program No. 1 (Queuing) for F86				
69	"user2.f86.1"	seq	Sample program No. 2 (Queuing) for F86				
72	"user3.f86.1"	seq	Sample program No. 3 (Queuing) for F86				
54	"user4.f86.1"	seq	Sample program No. 4 (Queuing) for F86				
52	"user4.f86.2"	seq	" (Downloaded w/Buffer & Beeline)				
84	"gasp.doc.1"	seq	Documentation of GASP package				
10	"exa11x.f86.1"	seq	Main of Information System				
9	"anser.for.1"	seq	Subroutine for EXA11				
10	"arrvlx.for.1"	seq	/				
8	"endsvx.for.1"	seq	/				
8	"evntsx.for.1"	seq	/				
15	"otputx.for.1"	seq	/				
6	"rqest.for.1"	seq	/				
12	"scan.for.1"	seq	/				
174	"gaslibx.f86.1"	seq	Extended GASP subroutine library for F86				
82	"user11x.f86"	seq	Sample program of Information System or F86				
2	"gasp10.dat"	seq	Data file for USER1.CMD				
2	"gasp11.dat"	seq	/				
2	"gasp12.dat"	seq	/				
0			0 blocks free.				

PRE-RELEASE #13

CP/M 86 INFO & PGMS /6

PR-13

\$9.00

12101

From: Col. John Wright

Norm, here is disk six of CP/M-86 files that I have found. All these have come from a "Public Domain" archive file found on the Defense Data Net.

The SEQ files on this disk can be read using "SEQ LIST CBM/ASC" pgm found on Kernaghans Utility disk.

This disk contains the continuation of the series of files downloaded from GASP, the beginnings of which are on DISK #5.

All files starting with "CLCIB86.LBR" are utility files for general use. I have included the DELBR and USQ pgms again as backups. Also included a Library Utility (LU86.CMD). This is supposed to be a useful pgm.

0	"cp/m-86	" 06	2c				
3	"to-norm.sii.6"	seq					
9	"directory.sii.6"	seq	This file				
14	"guide.sii.6"	seq					
2	"gasp13.dat"	seq	Data file for USER1.CMD				
2	"gasp14.dat.1"	seq	/				
2	"gasp15.dat.1"	seq	/				
2	"gasp16.dat.1"	seq	/				
2	"gasp20.dat.1"	seq	Data file for USER2.CMD				
2	"gasp21.dat.1"	seq	/				
2	"gasp22.dat.1"	seq	/				
2	"gasp23.dat.1"	seq	/				
2	"gasp24.dat.1"	seq	/				
2	"gasp25.dat.1"	seq	/				
2	"gasp26.dat.1"	seq	/				
2	"gasp30.dat.1"	seq	Data file for USER3.CMD				
2	"gasp31.dat.1"	seq	/				
2	"gasp32.dat.1"	seq	/				
2	"gasp33.dat.1"	seq	/				
2	"gasp34.dat.1"	seq	/				
2	"gasp35.dat.1"	seq	/				
2	"gasp36.dat.1"	seq	/				
289	"gaslibx.r86.1"	prg	Relocatable module file of GASLIBX.F86				
10	"clcib86.lbr.1"	prg	CB86 commadn line interperatar				
15	"crc.cmd.2"	prg	CRC checker in CP/M-86				
12	"crc.com.2"	prg	/				
76	"crc-64.aq6.1"	prg	/				
140	"crcbuild.lbr.1"	prg	Builds catalog files- CP/M 80 and 86				
52	"delbr.com.2"	prg	De-Library routine in CP/M-86				
74	"lu86.cmd.1"	prg	Library Utility in CP/M-86				
54	"put.aq6.1"	prg	Copies files between user areas				
12	"put.cmd.1"	prg	/				
68	"sq183.cmd.1"	prg	CP/M-86 file squeezer				
108	"tab86.lbr.1"	prg	Creates tabs in code				
103	"untab86.cmd.1"	prg	Removes tabs from code				
11	"usq.cmd.2"	prg	CP/M-86 file unsqueezer				
8	"usq.com.2"	prg	/				
781	"86kermit.lbr.1"	prg	CP/M-86 version of Kermit terminal program				
62	"find20b.a86.1"	seq	Locates any string in any part of a file				
10	"find20b.cmd.1"	prg	/				
59	"print10b.a86.1"	seq	Pages printer output with optional header				
7	"print10b.cmd.1"	prg	/				
0			39 blocks free.				

From: Col. John Wright

The SEQ files on this disk can be read using "SEQ LIST CBM/ASC" pgm found on Kernaghans Utility disk.

\*\*\*\*\*
\* CP/M-86 DISK #7 \*
\*\*\*\*\*

1 "cp/m-86 " 07 2c

Table listing files and their attributes: 2 "to-norm.sii.7" seq 1K, 4 "directory.sii.7" seq 1K, 10 "guide.sii.7" seq 2K, 67 "8086.a86.1" seq 17K, 212 "du-v75a.a86.1" seq 53K, 33 "du-v75a.cmd.1" prg 8K, 26 "du-v75a.doc.1" seq 7K, 12 "unera31.cmd" prg 3K, 76 "unera31.a86.1" seq 19K, 15 "printer.doc.1" seq 4K, 36 "epsprtr.a86.1" seq 9K, 40 "epsprtr.asm.1" prg 10K, 8 "epsprtr.cmd.1" prg 2K, 6 "epsprtr.com.1" prg 2K, 20 "oki-92.a86.1" seq 5K, 5 "oki-92.cmd.1" prg 1K, 37 "setoki.asm.1" seq 9K, 6 "setoki.com.1" prg 2K, 236 "sd-48b.a86.1" seq 59K, 19 "sd-48b.cmd.1" prg 5K, 370 "vfiler11.a86.1" seq 92K, 35 "vfiler11.cmd.1" prg 9K, 82 "whatsnew.a86.1" seq 21K, 10 "whatsnew.cmd.1" prg 3K, 460 "c86.lbr.1" prg 114K, 4 "c86.doc.1" seq 1K, 78 "archive.a86.1" seq 20K, 76 "archive.cmd.1" prg 19K, 32 "file-ext.a86.1" seq 8K, 9 "file-ext.cmd.1" prg 3K, 21 blocks free.

from: David Wacks

This was mentioned in the Summer 87 Library Lead editorial but omitted from the library. Since there was no commentary from Mr. Wacks with or on the disk, we know little about it. It has a very different menu program which employes windowing. You load it from "run-me.p" or from Shift Run. The directory program automatically alphabetizes the directory. Comments welcome!

Table listing files and their attributes: 1 "david wacks " w1 2c 35 "yatzee-pro.g" prg 20, 23 "disk control" prg 8, 11 "prog-lister.u" prg 8, 56 "fortune wheel.g" prg 8, 29 "hangman.g" prg 15, 19 "racetrack.g" prg 20, 9 "spelling.p" prg 4, 32 "arithmetic.p" prg 13, 9 "digital clock.p" prg 24, 20 "computer conv.p" prg 24, 16 "camel.g" prg 16, 8 "star plot.p" prg 8, 12 "warfish.g" prg 12, 9 "poster maker.p" prg 9, 5 "rocket-print.p" prg 5, 10 "cat-print.p" prg 10, 16 "story.ss2" seq 2, 51 "miser.g" prg 51, 24 "othello.g" prg 8, 21 "cannon.g" prg 21, 4 "hex/dec conv.p" prg 4, 462 "phone list.f" rel 2, 9 "xmission.p" prg 9, 8 "castle.drw.s" prg 8, 8 "time.trap.s" prg 8, 2 "coming.attr.p" prg 2, 462 "phone list.f.bak" rel 462, 8 "blackbook.s" prg 8, 38 "black book.p" prg 38, 13 "warfish ii.g" prg 13, 2 "ml input.p" prg 2, 1 "ml input.f" prg 1, 8 "run-me.s" prg 8, 1 "run-me.p" prg 1, 511 blocks free.

-CATALOG OF CP/M-86 UTILITY DISK 001 PROVIDED BY:

LT COL JOHN A. WRIGHT
818 JUNIPER DR., PAPHILLION, NE.
68046
Tele: 402-339-5728

THIS DISK RUNS ONLY ON A B MACHINE EQUIPED WITH THE 8088 CO-PROCESSOR BOARD. TO USE SIMPLY TYPE "SHIFT RUN/STOP." IN NATIVE B MODE THE DIRECTORY WILL SHOW 12 BLOCKS USED, BUT ZERO BLOCKS FREE.

\*\*\*\*\*
\*\*\*\*\* NOTICE!!!: All programs copyrited, and not \*\*\*\*\*
\*\*\*\*\* Releasable outside CBUG, nor releasable for \*\*\*\*\*
\*\*\*\*\* for commercial purposes!!! \*\*\*\*\*
\*\*\*\*\*

001.01 INSTRUCT.DOC OK 00 00 Disk usage instructions.

001.02	-CATALOG.002	OK	00 00	This file.
001.03	HELP+ .CMD	6K	65 1E	Advanced help utility. Use "HELP+ DISK" to obtain help on files contained on this disk.
001.04	HELP .CMD	3K	5C CE	Simple HELP utility which will read normal help files (files with HLP as the extension).
001.05	LU86 .CMD	19K	17 23	Self documenting Library Utility.
001.06	USQ .CMD	3K	EB 7C	Unsqueeze, Squeezed files.
001.07	UUDECODE.CMD	13K	AF B1	De-code, uuencoded files.
001.08	DELBR .CMD	13K	6F 0B	De-library library files.
001.09	TY .CMD	3K	6D A2	Type, even squeezed files.
001.10	DISK .LBR	185K	45 D6	Library of A86 and help files. (For this disk)
001.11	UUENCODE.CMD	13K	87 A1	EN-code files for transmission.
001.12	SHOW .CMD	2K	0E B3	Improved bidirectional show.
001.13	BIDUMP86.CMD	2K	A3 0D	Bidirectional dump.
001.14	WHATSNEW.CMD	3K	DD 0F	** Show what has been added/deleted to directory. (See note 1 below)
001.15	SAVE0-2 .CMD	2K	76 33	Reserve space in directory.
001.16	FRAG16 .CMD	2K	7F 01	File-ext cleaner, faster, sorts by file.
001.17	QSORT .CMD	2K	4F 78	Quick sort to order the lines of a file.
001.18	LTYPE86 .CMD	2K	A6 E5	LTYPE for CP/M-86.
001.19	GRAB .CMD	5K	06 9A	Finds paragraphs.
001.20	PRINT86 .CMD	2K	31 FD	Print utility.
001.21	ARCHIVE .CMD	19K	48 52	CP/M-86 archiver.
001.22	DU .CMD	8K	FD 83	Disk utility.
001.23	FILE-EXT.CMD	3K	28 42	File-extensions program.
001.24	FIND20B .CMD	3K	3D 95	Locate any string in any part of a file.
001.25	PAUSE .CMD	22K	14 70	Pause even during submit.
001.26	PRINT10B.CMD	2K	50 2A	Print utility
001.27	PUT .CMD	3K	15 C7	"PUT" files in different USER area.
001.28	SD .CMD	5K	F9 5C	Sorted directory utility.
001.29	SQ .CMD	17K	DF 8D	File squeezer.
001.30	UNERA .CMD	3K	C7 5C	Un-erase file utility. Need the file name.
001.31	VFILER .CMD	9K	C1 23	Screen oriented file utility. Setup for the ADM 31 (CBM emulates the ADM 3A)
001.32	LDIR86 .CMD	2K	B3 0C	Directory lister.
001.33	PIP .CMD	8K	15 78	
001.34	DISK .HLP	1K	69 39	Help file used with HELP+

Note 1: This version of WHATSNEW requires an onboard clock. We haven't gotten the B's clock to run properly. The next disk will contain a version that does not require the clock but will let you set the date. Software Tools RCPM - MISC Volume Number - 001, 34 Files cataloged.

This disk was prepared with the "NEW" user of CP/M-86 in mind. There is a help file available which will provide assistance for many of the utilities. Simply type the following:

A>HELP+ DISK [cr]

You will be provided with a menu to select from. Choose the file you want learn about, and an "instruction" file will appear on your screen. To advance to a new page, simply use "CNTL S" or the Number "1". If it "runs away" as I have found it wants to do on occasion, simply type a "L" to go back a page.

There are many utilities on this disk. I have checked all of them out, and they seem to work fine. The VFILER is a screen oriented directory utility that is set to run on an ADM 31. We use an ADM 3a emulation in CPM mode, so it is a little hard to use. You can use it by following this sequence:

A>^Z (CNTL Z) [cr] <<where "^" is symbol for "up arrow", shifted 6 on keyboard>>

That will clear the screen and get you ready. Now just type:

A>VFILER [cr]

Have fun with this disk. I have not tested every pgm thoroughly, so there may be many applications that I haven't explored. If you find something, let us know, we will provide further investigation into what you find. The CP/M movement is alive and well in CBUG. Tony Goceliak, Bruce Faierson, myself and several others are working to get this effort off the ground.

There is still work to be done, especially in the response speed, and system architecture, as well as the MS-DOS world. We are working on these as well as finding compilers that will allow us to write; not only BASIC, but Fortran, C, Cobol, etc programs that run on the "B".

If you like what you see, let Norm know. If you want to help, P L E A S E, let us know! Call me at 402-339-5728, and I will let you know where we are and where we are going.

Again, have fun, and let us know how you like what we have and what you would like to see us provide.

JOHN A. WRIGHT, Lt Col, USAF  
818 Juniper Dr., Papillion  
Nebraska, 68046

PRE-RELEASE #17

CP/M 86 #2.002

PR-17

\$9.00

13071

-CATALOG OF CP/M-86 UTILITY DISK 002  
PROVIDED BY:

LT COL JOHN A. WRIGHT  
818 JUNIPER DR., PAPIILLION, NE.  
68046  
Tele: 402-339-5728

THIS DISK RUNS ONLY ON A B MACHINE EQUIPED WITH THE 8086 CO-PROCESSOR BOARD. TO USE SIMPLY TYPE "SHIFT RUN/STOP."  
IN NATIVE B MODE THE DIRECTORY WILL SHOW 12 BLOCKS USED, BUT ZERO BLOCKS FREE.

```
*****  
***** NOTICE!!!: All programs copyrited, and not *****  
***** Releasable outside CBUG, nor releasable for *****  
***** for commercial purposes!!! *****  
*****
```

02.01	!!--NOTI.CE-	1K	90 27	READ THIS FIRST.
002.02	80T86 .CMD	5K	21 6B	CPM-80 to CPM-86 translator
002.03	80X86 .CMD	6K	27 BE	Untried as yet.
002.04	CRCBUILD.CMD	3K	33 15	Used to build this directory
002.05	FINDBAD .CMD	3K	80 7A	Finds bad sectors on disk
002.06	FFYNDE .CMD	5K	50 32	Find (Haven't completely figured this one out yet.)
002.07	HELP+ .CMD	6K	65 1E	Improved HELP
002.08	INSTRUCT.HLP	2K	75 E9	Intro to this disk
002.09	PUT .CMD	3K	7A 7B	Put files in different user areas
002.10	TYSQ .CMD	1K	E4 8A	Type squeezed files, even in LBRS.
002.11	UNERA .CMD	3K	28 42	Unerase erased files.
002.12	XDIR .CMD	19K	23 57	Improved directory utility
002.13	CRC .CMD	4K	10 E5	Compute the CRC of a file
002.14	CRCK-51 .CMD	11K	30 CF	Same as CRC but improved
002.15	DP .CMD	33K	D1 60	Disk Patch utility
002.16	VFILE(B).CMD	9K	02 DC	VFILER modified to run on B.
002.17	MUCHTEXT.CMD	1K	9F E0	Word Count, etc.
002.18	DISK .LBR	168K	59 03	Help, Document and Source Files for this disk.
002.19	SIZE .CMD	12K	33 19	Get program size.
002.20	TYPES15 .CMD	12K	E8 2C	List directory by file extension.
002.21	RUN .CMD	4K	D1 AF	Run pgms from SUB and LBR files.
002.22	DU-V75A .CMD	8K	FD 83	Improved disk utility
002.23	RUN .SUB	1K	5F D6	(See RUN.CMD)
002.24	TAB .CMD	24K	C4 FE	Places tabs in code.
002.25	UNTAB .CMD	24K	61 48	Deletes tabs from code.

Software Tools RCPM - MISC Volume Number - 002, 25 Files cataloged.

This is DISK 002 of the CP/M-86 library. It, like DISK 001 has been designed with the new user of CPM in mind. All "TEXT" files can be typed out using the "TYPE" command resident in CP/M-86. I have assumed that you have purchased-obtained my DISK 001 and so have the LU utility that will allow you to "DE-LIBRARY" LBR files. If not, no problem, as none of the programs on this disk require that utility to run. It, and USQ, would be needed to work with the SOURCE (A86) files that are contained in the file DISK.LBR.

I have attempted to obtain all the "HELP" and "DOCUMENTATION" files where available. Several of the utilities do not have any of these files available. However, for the most part these are simple to use and "SELF-DOCUMENTING". I have included the "HELP" files in the file "DISK.LBR". They are all "Squeezed", but by using the following sequence, you can gain access without needing any USQ or DE-LBR routines. (This is the same procedure that I used in DISK 001).

A>"help+ disk" [return]

This will give you a menu to select from. The source files (A86) can be viewed but not changed unless you can extrac and unsqueeze them from the LBR file. I have included them because there is often good information in these files on how to work the program.

You may see many files that look the same as those found on DISK 001. These are either new or modified files. VFILE(B) is one such program. I have reworked the code to allow it to run on the B machine. It still isn't perfect, but at least it is usable now.

I think that between DISK 001 and this one, you will have most of the "UTILITIES" that are currently available from the SIGM group. If there is a utility that is not here that you would like to have, let me know and I will see if I can find it.

There are several DBII utility packages available as well as several different kinds of compilers. I will be working on these over the next few weeks/months. When available I will send them to CBUG for distribution.

A reminder, all these programs have been copyrited by the SIGM users group. They cannot be sold or in anyway used for commercial purposes. They are offered free of charge for personnel use. Any other use requires the consent of CBUG and the SIGM groups.

Have fun with this disk. As more files become available, I will be sending them to CBUG. If you have questions, feel free to contact me. If you want to help, let me or Norm know that too. We need help in the CP/M field.

John A. Wright  
818 Juniper Dr.  
Papillion, Ne, 68046

PRE-RELEASE #18      CP/M 86 #2.003      PR-18      2809      \$9.00      13103

By: John Wright

This disk is more a demonstration disk than anything else. I have found an 8080/Z80 emulator that will run on the B-128. Most of the files on this disk are 8080 programs. The 8080 programs are the ones with the extension of COM. To use the emulator simply type the following:

<<NOTE: This disk requires the 8080 co-processor board to be installed in your B-128.>>

A:Z80 Filename (command tail)

Where the command tail is the instruction the program requires. That is if you want to run the SQ.COM program the "Command Tail" would be the File that you wanted to Squeeze. For example:

A>Z80 SQ FLN.TYP Will invoke the Z-80 emulator, run the program SQ and Squeeze the file "FLN.TYP".

The catalog file gives the usual listing of files and a short description of what they are/do. Again as with my other disks, I have included a help file. To obtain assistance you simply type "help+ disk and you will receive a menu. Select the document you wish to read, and it will be printed on your screen. Unlike my other disks, this one does not contain the "DISK.LBR" file. On my other disks this file was used with the HELP+ pgm to provide the help files. I had some "checksum" problems with this disk so just included the document files in the DISK.HLP file. It is a little slower, but at least the utility is still available in the "DISK.HLP" file. Sorry about the inconvenience.

I have also included the C128 CPM version of Kermit. Kermit is a telecommunication transfer protocol program that we use on the DDN. This particular one emulates the VT-52 terminal. It doesn't run because I haven't figured out how to address the RS232 port on the B from within CPM. If anyone gets it to go, I'd appreciate knowing how you did it. This is a Z-80 program, (that's what the C-128 uses) so you will need the Z-80 emulator to run it.

There are some CPM-86 programs as well. The SCRUB command will clean up a Wordstar file and make it readable using the "TYPE" command. I have used it on this file.

Most of the programs on this disk are duplicates of previously provided programs. Again this is more a demo disk than anything else. I just thought that you might be interested in a 8080 emulator. This could be especially usefull if you want to get some programs from a local BBOARD.

Have fun with this disk. If you need help, let me know. If you want to help PLEASE let Norm and me know.

Lt Col John A. Wright  
818 Juniper Dr.  
Papillion, Ne.  
(402)-339-5728

CATALOG OF CP/M-86 UTILITY DISK 003

PROVIDED BY:

LT COL JOHN A. WRIGHT  
818 JUNIPER DR., PAPHILLION, NE.  
68046  
Tele: 402-339-5728

THE CBUG LIBRARY INDEX - 1985 thru 1988

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*****
***** NOTICE!!!: All programs copyrited, and not *****
***** Releasable outside CBUG, nor releasable for *****
***** for commercial purposes!!! *****
*****

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003.01	INSTRUCT.HLP	4K	97 CE	Disk introduction
003.02	DISK .HLP	34K	03 43	Help file used with Help+
003.03	HELP+ .CMD	6K	65 1E	Help program
003.04	BUFFLIB .REL	6K	DC DA	? Left for the curious
003.05	BUFFLIB .SZR	4K	8A 4B	/
003.06	C128KER .COM	15K	42 F9	Kermit for the C-128
003.07	C12BC .MAC	1K	DC 9C	/
003.08	CCITCRC .COM	2K	6A D2	Similiar to CRC
003.09	CPYRITE .MAC	1K	C9 31	Copyrite notice
003.10	CRC .COM	3K	B2 07	CRC check routine
003.11	CRN .MZC	18K	E4 C1	? Part of a Crunch package
003.12	CRN .REL	2K	55 DB	/
003.13	CRN .SLR	2K	78 52	/
003.14	CRUNCH .COM	5K	1F DE	Crunch files (similiar to SQ)
003.15	CRUNCH .MZC	11K	64 45	/
003.16	ERAQ .COM	1K	3E A1	Selective erase
003.17	ERASE .COM	7K	E7 CF	Erase program
003.18	FIND .COM	2K	BA F8	Find a string in a ASCII file
003.19	FYNDE .COM	3K	FF BA	Similiar to FIND
003.20	IDIV .MZC	1K	BF B9	?
003.21	IMUL .MZC	1K	46 46	?
003.22	INDEX .COM	11K	41 14	Build and index
003.23	LU .COM	20K	77 39	8080 Library Utility
003.24	MLOAD24 .COM	3K	D8 AA	8080 File linker
003.25	NEATC .COM	2K	9A C5	Cleans up source files
003.26	NEATL .COM	2K	3B 2B	/
003.27	NEATU .COM	2K	37 C5	/ (Read documentation)
003.28	SCRUB .CMD	14K	1E 79	Cleans up Wordstar files
003.29	SHOW .COM	3K	F6 28	Replacement for TYPE
003.30	SQ .COM	17K	66 FE	Squeeze a file
003.31	TYPEL .COM	4K	0D E9	Replacement for TYPE
003.32	UNC .MZC	12K	B0 AE	? Uncrunch files
003.33	UNC .REL	2K	F4 D3	/
003.34	UNC .SLR	2K	5E 3A	/
003.35	UNCR .COM	4K	D8 FA	Uncrunch files
003.36	USQ .COM	2K	56 21	Unsqueeze squeezed files
003.37	WHATSNEW.CMD	3K	80 85	What files have been added to disk
003.38	Z80 .CMD	5K	D1 50	8080 emulator (supposed to be z80)
003.39	Z80 .LBR	31K	F0 74	Z80 Library of files as downloaded
003.40	!!--NOTI.CE-	1K	90 27	Public Notice

Software Tools RCPM - MISC Volume Number - 003, 41 Files cataloged.

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REPLACEMENTS & UPGRADES

A SPECIAL BENEFIT FOR CBUG MEMBERS ONLY!

- \* CABS ACCOUNTING SUITE UPGRADE SERVICE
- \* SUPERSCRIP II, SUPERBASE I DAMAGED DISK REPLACEMENT SERVICE

CBUG can now provide the most recent upgrades of the CABS/Info Designs program disks for the usual library nominal fee of \$9.00 per disk. We have also been authorized to provide the CABS Inventory program to those who purchased Order Entry but now are unable to acquire the now out of print Inventory program. (Order entry is still available from Northwest Music & Computer). For first time purchasers of the Inventory program, manuals will be photocopied as required for \$15.00 each. Members MUST first obtain a special contract and order form from CBUG to participate in this service effort. There are requirements as to proof of ownership which are enumerated in the contract & order form. The directories of the latest versions as produced by Info Designs are shown at the end of this text. The inserted version numbers are from the labels on the disks -- there is a conflict as to the version numbering on the disks. If you are experiencing problems integrating the modules it may be because of early version program incompatibility. Check the directory listings and block sizes carefully with your disk as this is the only reliable method.

CBUG has obtained permission to provide this service to our membership. CBUG is in no way affiliated or acting as an agent of either CBM or Info Designs. These programs are offered without warranty of any kind. At various times CBUG has and will continue to publish listings of known defects in these programs so that they can be avoided. Overall, the CABS suite appears to be servicable for many purposes. As with any program, CABS must be carefully evaluated and undergo extensive trial runs before implementation.

CBUG has completed negotiations regarding a disk replacement service for Superscript II and Superbase I. This again based on evidence of ownership and upon payment of the usual library fee.

We have undertaken to provide this service to our membership as neither CBM, Info, nor Precision is, as a practical matter, in a position to offer the upgrades/replacements on an expeditious basis. These are all Copyrighted programs by their Authors and/or Publishers, and/or Commodore Business Machines. Excepting by permission (such as CBUG has negotiated for its members as above), it is illegal to make and distribute copies. Kindly remember these rules lest the good reputation of CBUG and its membership be impaired with those who have been giving us so much valuable help.

If you need to participate in this program, send a #10 SASE (business sized self addressed & stamped envelope) to CBUG. In the lower left hand corner of the SASE, indicate "CABS/SS/SB service."

DIRECTORIES OF THE CABS ACCOUNTING SUITE  
 Latest version. These programs are copyrighted.  
 This listing for reference use only.

0 "a/r b-128 V2.0c " 01 2c v 2.1	0 "a/p b-128 V2.0c " 01 2c v 2.2	0 "g/l b-128 V2.0c " 01 2c v 2.0	0 "p/r comp disk b " ms 2c v 2.0 DISK B
59 "a/rbot" prg	59 "a/pbot" prg	59 "g/lbot" prg	1 "p/rbot" prg
58 "masmen" prg	58 "masmen" prg	64 "masmen" prg	73 "p/r030" prg
58 "a/r000" prg	58 "a/p000" prg	58 "g/1000" prg	76 "p/r040" prg
123 "a/r010" prg	122 "a/p010" prg	131 "g/1010" prg	85 "p/r140" prg
113 "a/r020" prg	83 "a/p020" prg	130 "g/1020" prg	71 "p/r150" prg
77 "a/r030" prg	126 "a/p030" prg	121 "g/1030" prg	64 "p/r160" prg
74 "a/r040" prg	123 "a/p040" prg	117 "g/1040" prg	71 "p/r170" prg
122 "a/r050" prg	95 "a/p050" prg	111 "g/1050" prg	83 "p/r190" prg
119 "a/r060" prg	101 "a/p060" prg	96 "g/1060" prg	81 "p/r200" prg
91 "a/r070" prg	94 "a/p070" prg	103 "g/1070" prg	76 "p/r220" prg
98 "a/r080" prg	107 "a/p090" prg	59 "g/1260" prg	71 "p/r230" prg
60 "a/r090" prg	65 "a/p110" prg	1 "b15" prg	78 "p/r240" prg
66 "a/r100" prg	88 "a/p120" prg	1 "g/lconf" seq	58 "masmen" prg
59 "a/r260" prg	59 "a/p260" prg	9 "g/l acct ptrs" seq	1 "config" seq
1 "b15" prg	1 "b15" prg	892 blocks free.	1 "b15" prg
1 "a/rconf" seq	1 "a/pconf" seq		64 "p/r000" prg
872 blocks free.	811 blocks free.	0 "b128 p/r prog " ms 2c v 2.0 DISK A	1098 blocks free.
0 "i/m program disk" 01 2c v 2.1	0 "b128 prog o/e " id 2c v 2.0	59 "masbot" prg	
59 "i/mbot" prg	59 "o/ebot" prg	58 "masmen" prg	
58 "masmen" prg	64 "masmen" prg	79 "mas100" prg	
58 "i/m000" prg	59 "o/e000" prg	64 "p/r000" prg	
103 "i/m010" prg	124 "o/e010" prg	91 "p/r010" prg	
101 "i/m020" prg	122 "o/e020" prg	99 "p/r020" prg	
108 "i/m030" prg	98 "o/e030" prg	123 "p/r050" prg	
90 "i/m040" prg	80 "o/e040" prg	105 "p/r070" prg	
74 "i/m050" prg	97 "o/e050" prg	102 "p/r080" prg	
59 "i/m260" prg	85 "o/e060" prg	129 "p/r090" prg	
1 "b15" prg	83 "o/e070" prg	84 "p/r100" prg	
1 "i/mconf" seq	100 "o/e080" prg	126 "p/r110" prg	
		117 "p/r120" prg	

1339 blocks free.

60	"o/e090"	prg	124	"p/r130"	prg
61	"o/e100"	prg	94	"p/r180"	prg
61	"o/e110"	prg	100	"p/r210"	prg
106	"o/e120"	prg	1	"b15"	prg
66	"o/e130"	prg	1	"config"	seq
59	"o/e260"	prg	494 blocks free.		
1	"b15"	prg			
1	"o/econf"	seq			

665 blocks free.

\* \* \* \* \*

### KNIGHT'S COPY UTILITY

#### To Backup All B128 Disks INCLUDING Superscript, Superbase & Superoffice

With the advent of programs to upgrade Superscript and Superbase, if you have not bought this most important utility, now is the time. Never ever do surgery on an only copy. Similarly, always maintain several backup copies of your important working programs -- disks do not last for ever and accidents happen much too easily! Knight's copy utility will copy Superscript and Superbase easy as can be. All you need is an 8050 drive with DOS 2.7. To find out if your drive is DOS 2.5 or 2.7, type as follows upon first turning on your computer and drive: ' ?ds\$ RETURN '. The screen will then show drive and DOS type.

Running Knight's Copy Utility is very simple. Just load the program in the usual manner, remove the program disk and insert the original to be copied (must have a write protect tab on it), then insert a blank disk in drive 1. Ten minutes later you have a complete copy. The indicators on the drive flash at the end of the cycle if the copy is good. You can continue inserting blank disks as long as you want for additional copies!

Don't risk ruining your Superscript or Superbase disks. Order from CBUG, ç12204 only \$20.00 ea.

\* \* \* \* \*

### PHYSICAL EXAM MIRACLE DISK ALIGNMENT PROGRAM

This may be one of the most important disks you can own. Though you may never have needed it, rest assured you will some day. Then Physical Exam will help get you back on line in minutes, saving days and expensive "repairs".

Disk drives, yea even the brutish 8050's do go out of alignment. Most commonly the problem is speed errors. When attempting to "new" a disk in immediate mode, there is simply a failure; in Superscript and Superbase there is a report on screen of "speed error". When saving, sometimes when loading files you may receive read errors if the speed error is only moderate. Some programs refuse to load, sometimes disks can not be copied! Mark Schwarzbauer has written an article appearing on Pre-Release ç2 and now on Norm's Utility v1.2 explaining the mechanics of adjustment "format speed err".

Physical exam eliminates the need for test equipment or using the stobe wheel on the bottom of the disk drives (you have to take the drive out of the 8050 for that method). You get an on screen display of speed, and tracking.

Tracking is the positioning of the read/write head over the recorded areas on the disk. The slightest error and you are out of luck. Physical Exam is "recorded" using special analogue technology (it is absolutely not copyable) such that a series of tracks are recorded incrementally +/- of proper position. By finding the failure points, the program can identify the actual adjustment of your drive and display the error/accuracy of adjustment.

This is a FANTASTIC program you can't afford to be without. Normally it is \$39.95 + \$3.50 shipping & Handling direct from Cardinal Software. CBUG has made special quantity purchase and is offering Physical Exam at \$35.00 on our standard order form. Allow 4 to 6 weeks for delivery (Publisher can't keep up).

Physical Exam is available for all 5.25" Commodore drives:

For Drive ç	CBUG Stock ç	Cost
1541	12223	\$35.00
1571	12242	35.00
4040	12238	35.00
8050	12219	35.00
8250/SFD 1001	12192	35.00

### CUSTOM IEEE CABLES

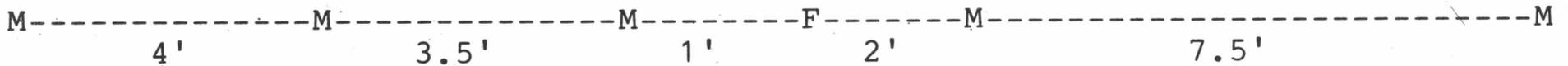
CBUG has received numerous calls from members wishing to have special IEEE cables. Longer, extra plugs, etc.

My most complex system has a B128, 2 8050's, a 4040, plus printers -- 8300P, 8023P, a star NL-10 and daisywriter 2000. Some of the equipment is on the buss all the time, some others I'd like to have on all the time; and a few have to remain off buss if they are not turned on. NOTE: Connecting more than two un-powered devices will devistate the buss -- you will get data errors, erase wrong disks, etc. Thus, shutting down 2 of three printers as long as everything else on the line is powered is usually OK. One exception though, the 6400 printer and some early CBM dot matrix printers will lock up the buss in certain modes.

Right along with such a complex system is the length of cable runs -- often the 1 meter cables just don't reach. Plus it is expensive to have a cable for each device.

SOLUTION: multiple male (and female) connectors on a long flat cable. CBUG has acquired the equipment to prepare special IEEE cables to your sketch. Since all CBM IEEE peripherals receive information via a female socket on the rear, normally there is no reason to have even one single female on the cable -- mere plug the first male into the back of your P to I cable at the first peripheral, and string it along one device to the next.

To order make a sketch similar to that below:



The sketch does not need be to scale. Be sure to allow slack between each run for servicing your installation and to allow for turning plugs in the proper attitude device to device -- atleast 6" each side of a plug.

PRICING:      BASE CHARGE PER CORD            \$15.00  
              PER RUNNING FOOT OF CABLE        1.00  
              PER CONNECTOR                    5.00  
              Ill. Residents add 7% sales tax  
              Shipping & Handling per order    2.00

NOTE: This is a flat cable crimp on connector system. Connectors are single faced, either Male or Female. Not both as on the regular round wire IEEE cables. We suggest you do not exceed 30' prox in overall cable on your system. Do not use flat cable in close proximity to your wife's favorite TV, etc.

Please order on a separate sheet of paper including your name, address and phone even if submitted with a regular CBUG order form. Cable orders will usually be shipped separately due to fabrication time -- allow extra week to 10 days.

This offer is for IEEE connectors on the cable ONLY. We do not do the Pet to IEEE end. You only need one of those -- for the computer in any event.

```

* * * * *
*
*   --      BeeLine V2.1      --      BeeLine V2.1      --
*
*   THE PROFESSIONAL TERMINAL PROGRAM FOR THE B-128 COMPUTER
*
*   LOAD/SAVE in ASCII or CBM Format      MESSAGE Editing within BeeLine
*   Skip beginning of large files        Use 9 separate Messages with
*                                         screen editing & ESC codes
*   VIEW memory Buffers using forward    Transmit & Edit using Fkeys
*   and backward controls                Prepare Message from Buffer,
*   Set Blocks for Saving & Printing      previous or blank Message
*   Transfer Data between Buffers
*   Find strings within Buffer Data        XMODEM Upload and Download
*                                         Exchange any Disk file
*   PRINT to CBM or ASCII Printers        Visually monitor transfers
*   Use various device numbers
*
*   RECEIVE directly to Disk files        TRANSMIT Data from Messages,
*   Up to 500K using CBM 8050 Drive      any data file or Buffer
*   Use with/without Memory Buffers      Delay after char. or line
*                                         Use XON/XOFF flow control
*
*   AVAILABLE IMMEDIATELY FOR ONLY $40.00 - ORDER FROM CBUG TODAY!
*
*   BeeLine V2.1 is Copyrighted 1986 by J & K Lemkelde
*   LemData Software, P.O. Box 175, Dover, PA 17315
*
* * * * *

```

ITEM ID	INV #	PRICE	DESCRIPTION
.24K RAM	12613	\$ 85.00	24K RAM/ROM Cartridge (Anderson)
.I to c	11221	\$ 35.00	COMMODORE IEEE to Centronics Adaptor Board (6400 type)
.P-DIODES	11344	\$ 8.50	Precision Reference diodes & instructions for 8050 repair /p
.SER.CART	12608	\$ 65.00	SERIAL BUS CARTRIDGE ADAPTOR (Anderson)
.TYPE CHG	11236	\$ 15.00	Changes connector type above to Centronics
.ZENERS	11330	\$ 6.00	Close tollerance Zener diodes & instructions for 8050 /pair
9060/9090	12295	\$ 25.00	Service Manual - Photocopy (allow extra week)
BEELINE	12280	\$ 40.00	v2.1 Telecommunications Program
CBUG # 1	12862	\$ 9.00	Norm's Utility v1.2
CBUG # 3	12881	\$ 14.00	Swan's Utility #1
CBUG # 6	12913	\$ 9.00	CBUG/TPUG #1
CBUG # 7	12932	\$ 9.00	Northrup's SUPERBASE Applications
CBUG # 8	12946	\$ 9.00	Sermons 1
CBUG # 9	12951	\$ 9.00	CABS GL pro forma #1
CBUG #10	12965	\$ 9.00	Fall 1985 ESCAPE and prior files - disk
CBUG #11	12257	\$ 14.00	Terminal Pgms w/ BTerm
CBUG #11a	12261	\$ 9.00	Terminal Pgms w/o BTerm
CBUG #12	12984	\$ 14.00	Scott's B-Mon
CBUG #13	12787	\$ 9.00	SUPERBASE tutorial pgms & Leighfield aids texts
CBUG #15	12716	\$ 14.00	Friendfam (SUPERBASE application pgm)
CBUG #16	12773	\$ 19.00	Swan's Basic Course
CBUG #18	12792	\$ 10.00	Games and Education
CBUG #19	12805	\$ 9.00	Old BUG texts and programs
CBUG #21	12699	\$ 9.00	Retail News Distribution pgm
CBUG #22	12701	\$ 9.00	Math Education Programs
CBUG #23	12735	\$ 15.00	Bible Games
CBUG #24	12720	\$ 9.00	8432 Emulator Disassembled
CBUG #25	12665	\$ 9.00	Winter/Spring 1986 ESCAPE print files - disk
CBUG #26	12651	\$ 9.00	Jan. 1986 Telecom issue and CBUG #25 overflow
CBUG #27	12492	\$ 9.00	Goceliaks Gold Mine - disk utilities/engineering
CBUG #28	12504	\$ 19.00	Casey's Scrubber
CBUG #29	12519	\$ 9.00	CBUG TPUG P1 & P2
CBUG #31	12538	\$ 9.00	Superbase Corner & Hints
CBUG #32	11536	\$ 10.00	Kernaghan's Utilities v3
CBUG #33	11540	\$ 9.00	Medical Accounting (SUPERBASE application)
CBUG #36	12561	\$ 9.00	London Sampler
CBUG #37	12576	\$ 19.00	SUPERPRINT collection
CBUG #38	12580	\$ 9.00	Summer part 1 1986 ESCAPE print files - disk
CBUG #40	11771	\$ 9.00	Public Domain Math A
CBUG #41	11785	\$ 9.00	Public Domain English A
CBUG #42	11790	\$ 9.00	Public Domain GHBT
CBUG #43	11803	\$ 9.00	Public Domain Science A
CBUG #44	11818	\$ 9.00	Public Domain Science B
CBUG #47	11856	\$ 16.00	dFile database pgm--Available ONLY to US members
CBUG #48	11860	\$ 9.00	CBM Diagnostics adapted for the B128
CBUG #49	11875	\$ 9.00	Medical Finance #2 (SUPERBASE application)
CBUG #51	11894	\$ 29.00	JCL Work Shop & Assembler -- 2 disk set
CBUG #52	11906	\$ 9.00	Summer part 2 1986 ESCAPE print files - disk
CBUG #53	11911	\$ 9.00	Fall 1986 ESCAPE print files - disk
CBUG #56	11959	\$ 35.00	Harrison's Assembler, revised. 5.5 v8
CBUG #57	11963	\$ 9.00	Goceliak Strikes Again
CBUG #58	11925	\$ 12.00	Dittinger's Utilities +
CBUG #59	11978	\$ 9.00	Winter/Spring 1987 ESCAPE print files - disk
CBUG #60	11659	\$ 16.00	Liz Deal's Took Kit (Utilities)(upgrade)
CBUG #62	11697	\$ 9.00	Super Church (SUPERBASE application)
CBUG #63	11709	\$ 30.00	The New King James New Testament (on 2 disks)
CBUG #64	11714	\$ 9.00	Sermons 2
CBUG #65	11728	\$ 9.00	Sermons 3
CBUG #66	11733	\$ 11.00	The NEW 8432 Emulator v.g & More
CBUG #67	11747	\$ 9.00	** B128 Kernal/editor Source Code
CBUG #68	11752	\$ 9.00	** Basic Source Code B128 & Others
CBUG #69	11766	\$ 9.00	Basic Source Code under study (Brezinski)
CBUG #70	11606	\$ 9.00	Summer 1987 ESCAPE print files - disk

ITEM ID	INV #	PRICE	DESCRIPTION
CBUG #71	11593	\$ 25.00	Precision Church Accounting(Superbase application)
CBUG #72	11982	\$ 14.00	Goceliak's Third Mine (Gold that is)
CBUG #73	11997	\$ 14.00	THE ESCAPE Index (Superbase app) v.Fall 87
CBUG #74	12007	\$ 15.00	SuperOffice Scrubber
CBUG #75	12012	\$ 9.00	Machine Language Index (Superbase application)
CBUG #76	12026	\$ 40.00	The King James Bible, complete. Set of 9 disks
CBUG #77	12031	\$ 20.00	Super Teacher - High Capacity. 4 disk set + blanks
CBUG #78	12045	\$ 9.00	Gold Coast Instructional
CBUG #79	12168	\$ 9.00	Fall 1987 ESCAPE print files - disk
CBUG #83	13028	\$ 14.00	Goceliak's Goldmine #0588
CBUG #84	13033	\$ 35.00	FAST BUS Programs Disk (Jarvis/Springer)
CBUG #85	13047	\$ 9.00	Gold Coast Gaggle
CBUG #86	13052	\$ 14.00	Gold Coast Tutorial
CBUG #87	13085	\$ 9.00	Winter 1988 ESCAPE print files - disk
CBUG #88	13098	\$ 19.00	Goceliak's Goldmine #0788
CBUG #89	13118	\$ 26.00	SYNTAX CHECKER & Misc
CBUG #90	13122	\$ 9.00	Mathew Goldstein's Assortment 0988
CBUG #91	13137	\$ 10.00	Gold Coast Gander - Two disk set
CBUG #92	13156	\$ 9.00	Restaurant Accounting
CBUG #93	13160	\$ 9.00	B-128 Service Information
CBUG #94	13175	\$ 9.00	Spring 1988 Escape Print File
CBUG #95	13194	\$ 9.00	1985 thru 1988 Index to Library
CBUG M20	12768	\$ 9.00	CBUG Utilities etc #2
CBUG M45	11837	\$ 9.00	CBUG Utilities & Misc. #3 (mislabeled #2 fall 87)
CBUG M54	11930	\$ 9.00	CBUG Misc. #4
CBUG M55	11944	\$ 9.00	ML Programming Information
CBUG M80	12064	\$ 9.00	CBUG MISC 12-87
CBUG M81	12079	\$ 9.00	David Green's Update
CBUG M82	13014	\$ 9.00	CBUG MISC. 0588
KNIGHT'S	12204	\$ 20.00	8050 (DOS 2.7) COPY UTILITY
PE 1541	12223	\$ 35.00	Physical Exam for the 1541
PE 1571	12242	\$ 35.00	Physical Exam for the 1571
PE 4040	12238	\$ 35.00	Physical Exam for the 4040
PE 8050	12219	\$ 35.00	PHYSICAL EXAM for the 8050 Disk Drive
PE 8250	12192	\$ 35.00	PHYSICAL EXAM for the 8250 and SFD-1001 Disk Drives
PR # 1	12824	\$ 9.00	Pre Release #1
PR # 2	12839	\$ 9.00	Pre Release #2
PR # 3	12843	\$ 9.00	Pre Release #3
PR # 4	12749	\$ 9.00	Pre Release #4
PR # 5	12542	\$ 9.00	Pre Release #5
PR # 6	12557	\$ 6.00	Pre Release #6 partial
PR # 8	11611	\$ 9.00	CPM 86 Info & Programs #1
PR # 9	11625	\$ 9.00	CPM 86 Info & Programs #2
PR #10	11630	\$ 9.00	CPM 86 Info & Programs #3
PR #11	12083	\$ 9.00	CP/M 86 info & Pgms #4
PR #12	12098	\$ 9.00	CP/M 86 info & Pgms #5
PR #13	12101	\$ 9.00	CP/M 86 info & Pgms #6
PR #14	12116	\$ 9.00	CP/M 86 info & Pgms #7
PR #15	12050	\$ 9.00	Dave Wack's Assortment
PR #16	13066	\$ 9.00	CP/M 86 2.001
PR #17	13071	\$ 9.00	CP/M 86 2.002
PR #18	13103	\$ 9.00	CP/M 85 2.003
SET of 5	11822	\$ 40.00	Public Domain CBUG #40 thr #44 inclusive
SFD-1001	12308	\$ 5.00	Schematics by photocopy & stat reductions
VOL 2 &	312449	\$ 6.00	Winter/Spring 1986 ESCAPE, copy of publication
VOL 4	12468	\$ 4.00	Summer 1986 ESCAPE Part 1, copy of publication
VOL 5	12473	\$ 3.00	Summer 1986 ESCAPE Part 2, copy of publication
VOL 6	12346	\$ 5.00	Fall 1986 ESCAPE, copy of publication
VOL 7	12173	\$ 7.00	Winter Spring 1987 ESCAPE, copy of publication
VOL 8	11555	\$ 4.00	Summer 1987 ESCAPE, copy of publication
VOL 9	12187	\$ 6.00	Fall 1987 ESCAPE, copy of publication
VOL 10	12332	\$ 6.00	Winter 1988 ESCAPE, copy of publication
Vol 11	13189	\$ 6.00	Spring 1988 Print Files
Vol 12	13206	\$ 8.00	Index to Library 1985 thru 1988

INV#	ITEM ID	PRICE	DESCRIPTION
11221	.I to c	\$ 35.00	COMMODORE IEEE to Centronics Adaptor Board (6400 type)
11236	.TYPE CHG	\$ 15.00	Changes connector type above to Centronics
11330	.ZENERS	\$ 6.00	Close tolerance Zener diodes & instructions for 3050 /pair
11344	.P-DIODES	\$ 8.50	Precision Reference diodes & instructions for 8050 repair /p
11536	CBUG #32	\$ 10.00	Kernaghan's Utilities v3
11540	CBUG #33	\$ 9.00	Medical Accounting (SUPERBASE application)
11555	VOL 8	\$ 4.00	Summer 1987 ESCAPE, copy of publication
11593	CBUG #71	\$ 25.00	Precision Church Accounting(Superbase application)
11606	CBUG #70	\$ 9.00	Summer 1987 ESCAPE print files - disk
11611	PR # 8	\$ 9.00	CPM 86 Info & Programs #1
11625	PR # 9	\$ 9.00	CPM 86 Info & Programs #2
11630	PR #10	\$ 9.00	CPM 86 Info & Programs #3
11659	CBUG #60	\$ 16.00	Liz Deal's Took Kit (Utilities)(upgrade)
11697	CBUG #62	\$ 9.00	Super Church (SUPERBASE application)
11709	CBUG #63	\$ 30.00	The New King James New Testament (on 2 disks)
11714	CBUG #64	\$ 9.00	Sermons 2
11728	CBUG #65	\$ 9.00	Sermons 3
11733	CBUG #66	\$ 11.00	The NEW 8432 Emulator v.g & More
11747	CBUG #67	\$ 9.00	** B128 Kernal/editor Source Code
11752	CBUG #68	\$ 9.00	** Basic Source Code B128 & Others
11766	CBUG #69	\$ 9.00	Basic Source Code under study (Brezinski)
11771	CBUG #40	\$ 9.00	Public Domain Math A
11785	CBUG #41	\$ 9.00	Public Domain English A
11790	CBUG #42	\$ 9.00	Public Domain GHBT
11803	CBUG #43	\$ 9.00	Public Domain Science A
11818	CBUG #44	\$ 9.00	Public Domain Science B
11822	SET of 5	\$ 40.00	Public Domain CBUG #40 thr #44 inclusive
11837	CBUG M45	\$ 9.00	CBUG Utilities & Misc. #3 (mislabeled #2 fall 87)
11856	CBUG #47	\$ 16.00	dFile database pgm--Available ONLY to US members
11860	CBUG #48	\$ 9.00	CBM Diagnostics adapted for the B128
11875	CBUG #49	\$ 9.00	Medical Finance #2 (SUPERBASE application)
11894	CBUG #51	\$ 29.00	JCL Work Shop & Assembler -- 2 disk set
11906	CBUG #52	\$ 9.00	Summer part 2 1986 ESCAPE print files - disk
11911	CBUG #53	\$ 9.00	Fall 1986 ESCAPE print files - disk
11925	CBUG #58	\$ 12.00	Dittinger's Utilities +
11930	CBUG M54	\$ 9.00	CBUG Misc. #4
11944	CBUG M55	\$ 9.00	ML Programming Information
11959	CBUG #56	\$ 35.00	Harrison's Assembler, revised. 5.5 v8
11963	CBUG #57	\$ 9.00	Goceliak Strikes Again
11978	CBUG #59	\$ 9.00	Winter/Spring 1987 ESCAPE print files - disk
11982	CBUG #72	\$ 14.00	Goceliak's Third Mine (Gold that is)
11997	CBUG #73	\$ 14.00	THE ESCAPE Index (Superbase app) v.Fall 87
12007	CBUG #74	\$ 15.00	SuperOffice Scrubber
12012	CBUG #75	\$ 9.00	Machine Language Index (Superbase application)
12026	CBUG #76	\$ 40.00	The King James Bible, complete. Set of 9 disks
12031	CBUG #77	\$ 20.00	Super Teacher - High Capacity. 4 disk set + blanks
12045	CBUG #78	\$ 9.00	Gold Coast Instructional
12050	PR #15	\$ 9.00	Dave Wack's Assortment
12064	CBUG M80	\$ 9.00	CBUG MISC 12-87
12079	CBUG M81	\$ 9.00	David Green's Update
12083	PR #11	\$ 9.00	CP/M 86 info & Pgms #4
12098	PR #12	\$ 9.00	CP/M 86 info & Pgms #5
12101	PR #13	\$ 9.00	CP/M 86 info & Pgms #6
12116	PR #14	\$ 9.00	CP/M 86 info & Pgms #7
12168	CBUG #79	\$ 9.00	Fall 1987 ESCAPE print files - disk
12173	VOL 7	\$ 7.00	Winter Spring 1987 ESCAPE, copy of publication
12187	VOL 9	\$ 6.00	Fall 1987 ESCAPE, copy of publication
12192	PE 8250	\$ 35.00	PHYSICAL EXAM for the 8250 and SFD-1001 Disk Drives
12204	KNIGHT'S	\$ 20.00	8050 (DOS 2.7) COPY UTILITY
12219	PE 8050	\$ 35.00	PHYSICAL EXAM for the 8050 Disk Drive
12223	PE 1541	\$ 35.00	Physical Exam for the 1541
12238	PE 4040	\$ 35.00	Physical Exam for the 4040
12242	PE 1571	\$ 35.00	Physical Exam for the 1571

INV#	ITEM ID	PRICE	DESCRIPTION
12257	CBUG #11	\$ 14.00	Terminal Pgms w/ BTerm
12261	CBUG #11a	\$ 9.00	Terminal Pgms w/o BTerm
12280	BEELINE	\$ 40.00	v2.1 Telecommunications Program
12295	9060/9090	\$ 25.00	Service Manual - Photocopy (allow extra week)
12308	SFD-1001	\$ 5.00	Schematics by photocopy & stat reductions
12332	VOL 10	\$ 6.00	Winter 1988 ESCAPE, copy of publication
12346	VOL 6	\$ 5.00	Fall 1986 ESCAPE, copy of publication
12449	VOL 2 & 3	\$ 6.00	Winter/Spring 1986 ESCAPE, copy of publication
12468	VOL 4	\$ 4.00	Summer 1986 ESCAPE Part 1, copy of publication
12473	VOL 5	\$ 3.00	Summer 1986 ESCAPE Part 2, copy of publication
12492	CBUG #27	\$ 9.00	Goceliaks Gold Mine - disk utilities/engineering
12504	CBUG #28	\$ 19.00	Casey's Scrubber
12519	CBUG #29	\$ 9.00	CBUG TPUG P1 & P2
12538	CBUG #31	\$ 9.00	Superbase Corner & Hints
12542	PR # 5	\$ 9.00	Pre Release #5
12557	PR # 6	\$ 6.00	Pre Release #6 partial
12561	CBUG #36	\$ 9.00	London Sampler
12576	CBUG #37	\$ 19.00	SUPERPRINT collection
12580	CBUG #38	\$ 9.00	Summer part 1 1986 ESCAPE print files - disk
12608	.SER.CART	\$ 65.00	SERIAL BUS CARTRIDGE ADAPTOR (Anderson)
12613	.24K RAM	\$ 85.00	24K RAM/ROM Cartridge (Anderson)
12651	CBUG #26	\$ 9.00	Jan. 1986 Telecom issue and CBUG #25 overflow
12665	CBUG #25	\$ 9.00	Winter/Spring 1986 ESCAPE print files - disk
12699	CBUG #21	\$ 9.00	Retail News Distribution pgm
12701	CBUG #22	\$ 9.00	Math Education Programs
12716	CBUG #15	\$ 14.00	Friendfam (SUPERBASE application pgm)
12720	CBUG #24	\$ 9.00	8432 Emulator Disassembled
12735	CBUG #23	\$ 15.00	Bible Games
12749	PR # 4	\$ 9.00	Pre Release #4
12768	CBUG M20	\$ 9.00	CBUG Utilities etc #2
12773	CBUG #16	\$ 19.00	Swan's Basic Course
12787	CBUG #13	\$ 9.00	SUPERBASE tutorial pgms & Leighfield aids texts
12792	CBUG #18	\$ 10.00	Games and Education
12805	CBUG #19	\$ 9.00	Old BUG texts and programs
12824	PR # 1	\$ 9.00	Pre Release #1
12839	PR # 2	\$ 9.00	Pre Release #2
12843	PR # 3	\$ 9.00	Pre Release #3
12862	CBUG # 1	\$ 9.00	Norm's Utility v1.2
12881	CBUG # 3	\$ 14.00	Swan's Utility #1
12913	CBUG # 6	\$ 9.00	CBUG/TPUG #1
12932	CBUG # 7	\$ 9.00	Northrup's SUPERBASE Applications
12946	CBUG # 8	\$ 9.00	Sermons 1
12951	CBUG # 9	\$ 9.00	CABS GL pro forma #1
12965	CBUG #10	\$ 9.00	Fall 1985 ESCAPE and prior files - disk
12984	CBUG #12	\$ 14.00	Scott's B-Mon
13014	CBUG M82	\$ 9.00	CBUG MISC. 0588
13028	CBUG #83	\$ 14.00	Goceliak's Goldmine #0588
13033	CBUG #84	\$ 35.00	FAST BUS Programs Disk (Jarvis/Springer)
13047	CBUG #85	\$ 9.00	Gold Coast Gagggle
13052	CBUG #86	\$ 14.00	Gold Coast Tutorial
13066	PR #16	\$ 9.00	CP/M 86 2.001
13071	PR #17	\$ 9.00	CP/M 86 2.002
13085	CBUG #87	\$ 9.00	Winter 1988 ESCAPE print files - disk
13098	CBUG #88	\$ 19.00	Goceliak's Goldmine #0788
13103	PR #18	\$ 9.00	CP/M 85 2.003
13118	CBUG #89	\$ 26.00	SYNTAX CHECKER & Misc
13122	CBUG #90	\$ 9.00	Mathew Goldstein's Assortment 0988
13137	CBUG #91	\$ 10.00	Gold Coast Gander - Two disk set
13156	CBUG #92	\$ 9.00	Restaurant Accounting
13160	CBUG #93	\$ 9.00	B-128 Service Information
13175	CBUG #94	\$ 9.00	Spring 1988 Escape Print File
13189	Vol 11	\$ 6.00	Spring 1988 Print Files
13194	CBUG #95	\$ 9.00	1985 thru 1988 Index to Library
13206	Vol 12	\$ 8.00	Index to Library 1985 thru 1988

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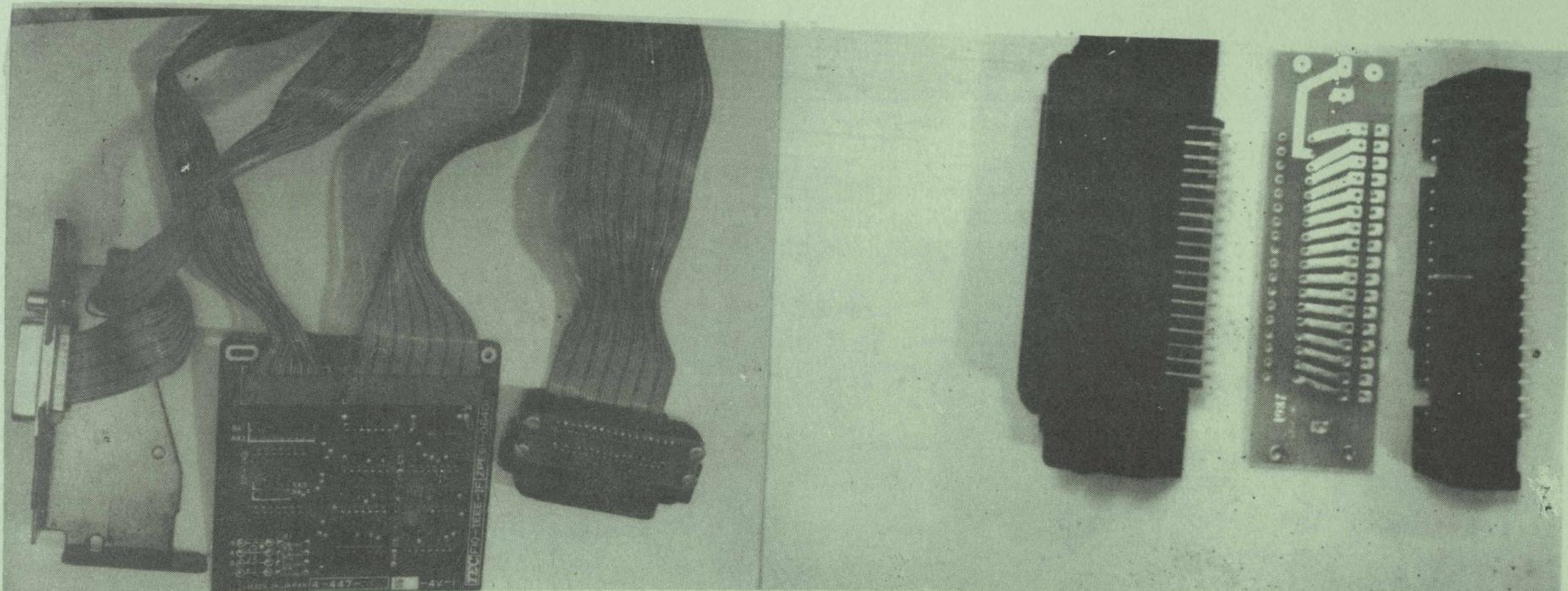
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IEEE to Centronics Adaptor Board  
order #11221      \$35.00

Connector type changer (comes assembled),  
order #11236      \$15.00

USE THE 6400 IEEE CONVERTER WITH OTHER PRINTERS

A couple of issues back Warren Kernaghan suggested that the 6400 converter board was a superior method of IEEE to Centronics interfacing. So why not rewire the adaptor board's flat cable to a standard 36 pin Centronics connector? Easy said, not so easy to do even for fairly good technicians. So, CBUG has made up a little circuit board and rounded up the necessary mating connectors to produce a type changer adaptor. Plug the type changer into the Centronics header on the IEEE adaptor, and the other side of the type changer into your Centronics ported printer. Walla, instant Centronics with all the added features Mr. Kernaghan wrote about.

For about a year, CBUG has been offering the IEEE internal converter designed for the CBM 6400 printer. It is a 4" square board with two long flat cables, one of which has a standard IEEE 488 connector, and the other has a 34 pin dual row 1/10" header to connect with the logic board in the 6400. Unfortunately the header will not mate with standard Centronics connectors. The circuit board is double sided plated thru, the connectors prime quality with gold plated contacts.

These adaptors are believed to work with most common printers, though they will not work with my large Daisywriter 2000. They do work with the Star and Cannon printers and many others which now follow the standards. If by chance the adaptor does not work with your printer, we'll refund the full purchase price.

The adaptors have jumper positions to select device numbers other than 4. They are not enclosed so you will want to mount or tape them securely out of the way or install them in a protective box. In some cases, the connector on the printer uses bailing clamps to keep the connectors latched together -- so you may need to use a short Centronics extension cord compatible with the bailing clamps which are readily available locally or via mail order (see Matos's article).

## JCL SOFTWARE 700 WORKSHOP

---

The special CBUG version of the Workshop is supplied on disk. It requires a 24K RAM pack mapped into the system bank cartridge space.

The disk includes.....

- \* EXTENDED BASIC which links over 39 new keywords into the BASIC interpreter. Your programs become faster, more reliable, smaller and generally better structured and readable. Many useful routines and small programs are included to demonstrate the flexibility and power of the system.
- \* SOFT LOADED EXTENSIONS for further BASIC extensions with your own machine language routines called by your choice of keyword. Many essential parsing and utility routines may be accessed from a convenient jump table.
- \* PROGRAMMING AIDS include AUTO line number generation, re-NUMBER, FIND, program JOIN and a true ASCII file MERGE.
- \* ASCII FILE EDITOR for assembler source file preparation. Includes screen scroller and special keywords for file loading, saving, viewing and printing.
- \* FULL SYMBOLIC ASSEMBLER that can assemble source files from disk or memory. The assembler and editor may be in memory together, reducing the need for repeated loading.
- \* DOS SUPPORT the classic disk handling utility.
- \* WORD PROCESSOR an example of the type of utility JCL created using the editor and assembler!
- \* DOCUMENTATION in file form which may be printed with the wordprocessor.
- \* 8050 DISK copyable, suitable for 128K RAM machines only.

### 700 ASSEMBLER

- ★ Editor with screen scroller, FIND, AUTO, etc.
- ★ RENUMBER for BASIC programs as well as for source file lines.
- ★ TYPE command provides adequate performance for simple word processor jobs.
- ★ 14 assembler directives.
- ★ 'B SYS' allows machine code to call kernel from any bank.

### 700 WORKSHOP



Your programs will become

faster, more reliable, smaller and much easier to write!

- ★ 10 TOOLKIT-type programming aids.
- ★ Enhanced BASIC with 39 new KEYWORDS.
- ★ Comprehensive data input systems with efficient File Interfacing.
- ★ DOS-SUPPORT available all the time.
- ★ ASCII-editor for text and assembler files with screen scroller.
- ★ Elementary word processing facilities.
- ★ BANK-SYS, Kernel in every bank.
- ★ Design and add your own BASIC extensions.
- ★ Extra RAM in system bank.
- ★ Comprehensive manual.

ORDER FROM THE CBUG LIBRARY, CBUG #51, stock #11894 \$29.00