

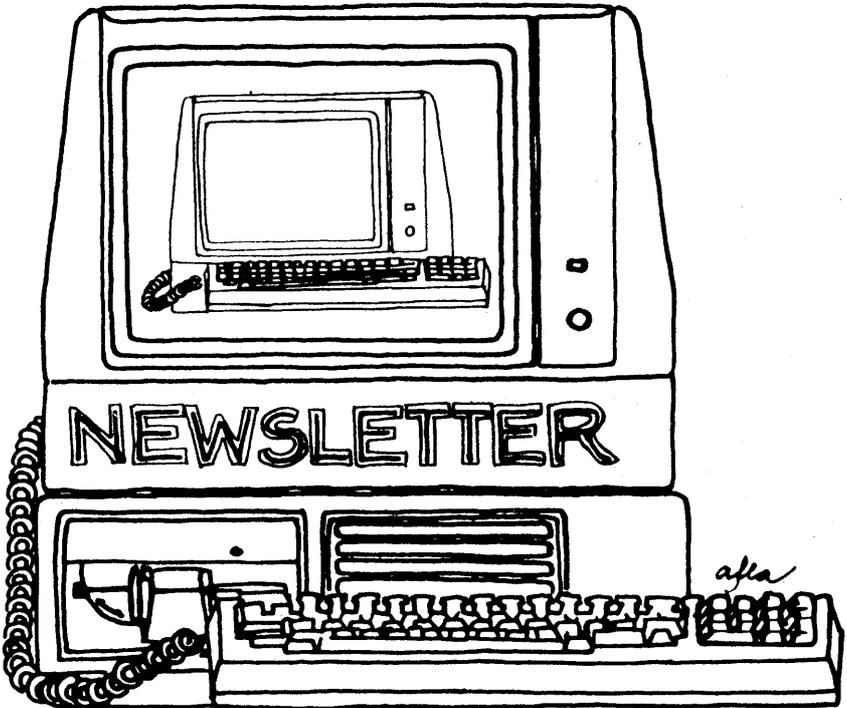
Sept. 9, 1986

Volume 4

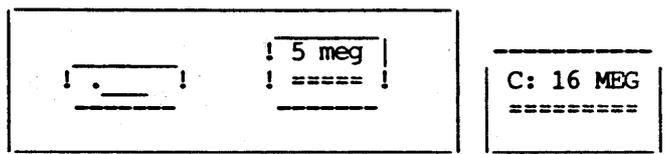
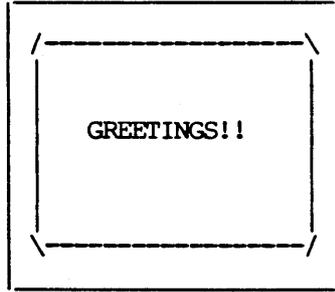
Issue #8

BAY AREA MICRO DECISION USERS ASSOCIATION

BAM DUA



A MUTUAL SUPPORT NETWORK FOR USERS OF
MORROWS' MICRO DECISION COMPUTERS -
P.O. BOX 5152, BERKELEY, CA. 94705
415: 644-2805



Drive: B: A: C:

>>> BAMDUA MBBS
>>> Micro Bulletin Board System (tm)
>>> (MLOGIN 1.2 09/18/85 - (c) 1983 Kim Levitt)
>>> Welcome to The MBBS Bulletin Board
>>> Micro Bulletin Board System (tm)

Sysop: Steven Wartofsky
Phone: (415)-654-3882
Baud rates: 300,1200
Hardware: Morrow MD-5 running CPM+ (CP/M 3.0)
 1 Floppy Drive (B), 2 Hard Disks (A:5 meg,C:16 meg)
Software: MBBS,BYE504,KMD14,SFILE26,LD,MAP
Hours: 24 Hrs.
Access: Registration. See Bulletin
Interests: A System of the Bay Area Micro Decision
 Users' Association (BAMDUA)

TABLE OF CONTENTS

Table of Contents	1
Newsletter Submissions	2
Meetings	3
Bamdua Officers	4
From the President's Disk	5
Guide to Bamdua Library Disks: Vols. 31-37; Special Vols. also	6
Summary of Newsletter Contents, V. 3, #8, 1985 - V.4, #7, 1986	17
Software Review: Checks & Balances	19
Special Deals	20
Classifieds	21
Special Thanks	21
Order Blank for Library Disks	22
Items Available	23
Help List	23
Order Blank for Newsletter Issues	24

Advertisors:

World Business Center

inside back cover

This Newsletter is printed by The Carbon Alternative, 165 41st St.,
Oakland, CA 94611. (415)654-0171.

NEWSLETTER

If you wish to submit material to the newsletter, please follow these guidelines:

- o Submit material before the 23rd of each month
- o Submit hard copy along with a WordStar file on a SSDD or DSDD diskette; left margin, default; right margin, 68 and right justified. (NewWord files are acceptable).
- o Include your name, address and telephone number
Your disk will be returned to you.
- o Send newsletter materials to: Newsletter Editor
BAMDUA
P.O Box 5152
Berkeley, CA 94705

If you have questions about newsletter submissions, call me afternoons only on Wednesday or Friday (415-843-8167). If you have other questions about BAMDUA, call the BAMDUA Office, 415-644-2805. If you need technical help, use your DIRECTORY.

IMPORTANT: If you have something you especially want in the next Newsletter but are unsure you can get it in before the deadline, be sure to call me so that we can make special arrangements. If it doesn't matter to you when it is published, then you do not need to be concerned about the deadline; just send it in when you have it ready!

Please remember that the deadline is important in order to enable me to plan and produce the Newsletter.

If you have tried one (or more) of the utilities available on the library disks, write a review and send it in! If you know the answer (or think you do) to new or recurrent questions in the Notepad or Mailbox departments, write me so that I can make the information available to all.

We reserve the right to edit articles submitted for publication. In keeping with the spirit of "public domain" we grant permission for articles appearing in this Newsletter to be reprinted by other users' groups for the purpose of free dissemination of information as long as proper identification is made of author and source. We cannot guarantee the accuracy of information printed here, but we do assume that all authors take an interest in providing responsible information to the best of their ability.

Thanks. --Georgia Babladelis, Ed.

The CP/M Users of Santa Cruz County (formerly SCMDUG) will meet on the second Tuesday of the month at 7 p.m. at the Branciforte Branch of the Public Library, 230 Gault St., Santa Cruz. Our meeting place is wheelchair accessible and some of us are CPR knowledgeable. We can make arrangements for special problems, including transportation. This group is open to all users of Morrow, Kaypro, Osborne, Televideo and other CP/M computers. There will be an open forum for questions, a software demonstration, and public domain software for sale. Diskettes will also be sold. Members may bring their computers to the meeting. Written inquiries should be sent to 376 Lucinda St., Scotts Valley, CA. 95066. For information call 408/438-0662 or 408/423-1462.

PETMUG (Petaluma Users' Group) meets on the 4th Thursday of each month at Advanced Information Management, 245 North McDowell Blvd. (in Petaluma Plaza), Petaluma, CA. For info. contact: Don Waite, 707/763-6891 or Dick Hoffman, 707/762-8286 or mailing address: P.O. Box 948, Petaluma, CA. 94953.

CLASSES:

Any members who are interested in participating in special classes (e.g., on public domain software; using modems; Pascal; CP/M systems; etc.) call BAMDUA (415) 644-2805. We will start a list and schedule special classes if there is enough interest.

BAMDUA OFFICERS

President	Sypko Andreae
Vice president	Peter Campbell
Newsletter Editor	Georgia Babladelis
Secretary	George Borys
Librarian	Gene Korte
Treasurer	Wesley Johnson
SBBS Sysop	Steven Wartofsky
Meeting Programmer	Ilbert Butler
At Large	Stan Naparst
At Large	Frank Oechsli
At Large	Rick Charnes
At Large	Lee McKusick

FROM THE PRESIDENT'S DISK

by Sypko Andreea

Back to school! The Fall is coming. Time for starting things anew and time for considering some education for yourself. BAMDUA will start the new season with a series of interesting meetings, most of which are designed to have you participate. We will have a night of "Hackers Delight", we'll have another where we're all going to take our computers apart and put them back together again, just to get you over the fear of doing simple maintenance yourself. But we'll start with night featuring Dave McCord from Echelon who will introduce Z C P R 3 to you. That will be September 30th.

ZCPR3! What is all the excitement about? What is ZCPR3 anyway? In BAMDUA circles you might find a smattering of aficionado's of this system, but try to get a clear answer out of them about what ZCPR3 really is. Do you read Computer Currents, that excellent bi-weekly Bay Area computer magazine? In that case you know about Ted Silveira's CP/M column. A few months ago he spent several columns on ZCPR3. Excellent educational material. I'll quote a few lines from it:

"The core of ZCPR3 is an enhancement of your normal CP/M 2.2 operating system (ZCPR3 isn't for CP/M Plus). When you add ZCPR3, you get an operating system that is compatible with CP/M programs (with a very few exceptions) but is more powerful and more flexible than CP/M ever was....it makes many things easier and makes other things possible that weren't possible before."

Now, doesn't that wet your appetite? When was the last time you enhanced your floppy machine? If you quickly want to learn more about it read those columns by Ted Silveira. There are several ways to get them: If you have a modem call KAY*FOG in San Francisco (415) 285-2687; they have 32 of Ted's Articles on line, ready for downloading. If you don't have a modem you can order one or both FLOBs (Floppies of the Bi-Month) dedicated to these articles from the Morrow Owners' Review: FLOB/OCT86 #1 and #2. Write or call MOR at 644-2638, send a check for \$8.00 each or charge it.

People who have used ZCPR3 just love it and would never go back to the basic CP/M 2.2 system. Most people agree that it works best on an MD3, but there are MD2 owners who use it albeit with some difficulty due to disk space limitations. I missed out on ZCPR3 because I migrated to Morrow hard-disk machines with CP/M Plus over two years ago. When you use CP/M Plus (also called CP/M 3.0) you already enjoy some of the conveniences that ZCPR3 offers. Remember also: ZCPR3 cannot (yet) be used with CP/M Plus. But as Ted Silveira aptly puts it: "ZCPR3 is what CP/M 3.0 should have been".

Soon a "bootable" ZCPR3 disk will be available for Morrow MD3's which self-installs and makes setting it up a breeze (now it isn't for most people). Hopefully MOR will market this software at a discount price. For more, come to the September 30th meeting.

GUIDE TO PAST LIBRARY VOLUMES:

CONTENTS OF VOLS. 30-37

Every September, we start the new season with an issue of the Newsletter devoted mainly to summarizing what is available in the BAMDUA public domain library. Each issue takes up where the previous special fall issue left off, so each of these special REFERENCE issues should be saved in order for you to have a complete listing of our public domain library disks. In this issue we summarize Volumes 31-37 and special disks 1A,B; 2A,B.

-BAMDUA.031

This library volume contains two versions of the fast, full screen, memory based editor that is similar to WordStar (or NewWord) in it's command structure.

Utilities that allow you to treat library files as separate logical drives, move files from one user area to another, and create special command files are also included on this disk.

DIRFILES.COM	2k	Creates a catalog of the files on the current disk and allows you to enter a one-line description for each file.
FIND.COM	2k	Finds ASCII, uppercase character string in a file.
FIND.DOC	2k	<--- READ me FIRST!!
FIND-20 .COM	2k	Improved version of above program.
FIND-20 .DOC	4k	<--- READ me FIRST!!!
FIND-20 .AQM	10k	Squeezed source code for above program.
LBRDSK22.COM	8k	Allows you to treat libraries and archives as a logical drive.
LBRDISK2.DOC	6k	<--- READ me FIRST!!
LBRDISK2.NOT	2k	<--- Read me too!
LBRDISK2.SET	2k	Contains a list of the LBRDSK22 options that can set using DDT or EDFILE -- READ this BEFORE using LBRDSK22!!!
SETRSX.COM	2k	This command MUST be executed before using LBRDSK22!
CREATE .COM	2k	Creates an empty library or archive file.
MOVUSER2.COM	2k	Move file from current user number to another.
MOVUSER2.AQM	6k	Squeezed source code for above file.
PRNTON .ASM	2k	Sets up BIOS patch so all console output is also redirected to the printer. Unlike the Ctrl-P function, it is NOT disabled by a warm boot.

SYNONYM3.COM	2k	Creates a new name (alias) for a command or a command followed by optional parameters.
SYNONYM2.DOC	6k	<--- READ me FIRST!!
SYNONYM3.AQM	8k	Squeezed source code file for above program.
VDO25 .COM	8k	Fast, full screen, memory based editor with a command structure similar to WordStar (NewWord).
VDO25 .MAN	26k	<--- Documentation file -- READ me FIRST!!
VDO25 .NOT	2k	<--- Read me too!
VTERM .DAT	4k	Terminal data file for use with VDO25.
VDO25A .COM	8k	Fast, full screen, memory based editor with a command structure similar to WordStar (NewWord).
VDO25A .MAN	24k	<--- Documentation file -- READ me FIRST!!
VDO25A .NOT	4k	<--- Read me too!
VTERMC .DAT	4k	Terminal data file for use with VDO25A
VINST11 .COM	14k	Program used to install VDO25 and VDO25A.
VPATCH10.COM	12k	Patch utility used to install new features in VDO25A.
VPATCH10.MAN	6k	<--- Documentation file -- READ me FIRST!!

-BAMDUA.032

This library volume contains a new, improved version of QUIKKEY and several file utility programs to make your computer more useful.

COPYFILE.COM	2k	Copies files from one disk to another. Contains several nice options.
COPYFILE.INF	2k	<--- READ me FIRST!!
CHEK10 .COM	4k	File checking program similar to CRCK.
CHEK10 .DOC	4k	<--- READ me FIRST!!
CHEK10 .INF	2k	<--- Read me too!
CRC .COM	2k	Another file checking program.
DIF2 .COM	16k	Identifies differences between two files and creates a difference file.
DIF .INF	4k	<--- Read me too!
DIF/SSED.DOC	4k	<--- READ me FIRST!!
SSED2 .COM	12k	Updates source files to incorporate changes generated by DIF2 program.
FBAD60 .COM	4k	Finds all bad blocks on a disk and allocates them to a file called [UNUSED].BAD.
FBAD57 .COM	2k	Earlier version of above file.
FBAD57 .DOC	6k	<--- READ me FIRST!!
LISTT15 .COM	4k	Utility program that lists any requested file on the printer. Contains useful options.
LISTT15 .DOC	6k	<--- READ me FIRST!!
LISTT10 .COM	2k	Earlier version of above program.
LISTT10 .DOC	6k	<--- READ me FIRST!!
LISTT10 .AQM	16k	Source code for above file.

PASSWORD.COM	2k	Password protects your programs.
PASSWORD.DOC	2k	<--- READ me FIRST!!
PASSWORD.AQM	6k	Squeezed source code for above program.
QK21 .COM	4k	New, improved version of QUIKKEY!!!
QK21 .DOC	10k	<--- READ me FIRST!!!
QK21 .UPD	2k	<--- Read me too!
SCRAMBLE.COM	2k	Encrypt (protect) sensitive data & programs!
SCRAMBLE.DOC	2k	<--- READ me FIRST!!
SCRAMBLE.ASM	6k	Source code for above program.
SQ111 .COM	6k	Fast assembly language version of SQ program.
SQ111 .DOC	4k	<--- READ me FIRST!!
USQ120 .COM	2k	Fast assembly language version of USQ program.
USQ120 .DOC	4k	<--- READ me FIRST!!
TYPEL23 .COM	6k	Types squeezed or unsqueezed files. Also types squeezed or unsqueezed files contained within .IBR files.
TYPEL23 .DOC	6k	<--- READ me FIRST!!
TYPESQ17.COM	10k	Types squeezed or unsqueezed files.
TYPESQ .COM	10k	Similiar to TYPESQ17 program.

-BAMDUA.033

This library volume contains programs that allow you to search your entire disk system for a particular file. It also contains a program that allows you to search for all occurrences of a particular "string" in one file or a set of files.

Also included on this disk are a number of programs to make your word processing tasks easier. These include a footnoting utility, several methods for creating index and crossreference files, and a WordStar (or NewWord) Non-Documnt to Documnt conversion program.

ALPHA .COM	2k	Alphabetizes and counts words contained in a file.
FILE21 .COM	2k	Used to determine where a particular file is located on your computer system.
FILE .DOC	4k	<--- READ me FIRST!!
FILE21 .ASM	12k	Source code for above file.
FTNOTE13.COM	16k	Formatting utility that allows the printing of document files with page-bottom footnotes. Does internal page referencing and improved block formatting also. Will automatically move footnotes into and out of your text file; number them for use as end notes; or produce a printable file with them at page bottom.
FTNOTE13.DOC	22k	<--- READ me FIRST!!

GOTHIC	.COM	12k	Prints block letters in Gothic format.
GOTHIC	.DOC	2k	<--- READ me FIRST!!
BANNER	.BAS	4k	Another block letter printing program.
NOTEPAD	.COM	20k	Easy way to create, modify, store and print short notes to yourself or provide online documentation for other files on a disk.
NOTEPAD	.DOC	4k	<--- READ me FIRST!!
PAIR	.COM	2k	Find unbalanced print control characters in a WordStar (NewWord) document file.
PAIR	.DOC	2k	<--- READ me FIRST!!
PAIRX	.COM	2k	Extended version of above program.
PAIRX	.DOC	4k	<--- READ me FIRST!!
SEARCH22	.COM	2k	Find all occurrences of "string" in specified file(s).
SFILE14	.COM	4k	Allows wild card searches of the DIRECTORIES and ALL LIBRARY files on your system for a requested file. (Also see FILE.DOC above.)
SFILE14	.DOC	4k	<--- READ me FIRST!!
SFILE14	.ASM	34k	Source code for above program.
WINDEX	.COM	2k	Creates indexes for WordStar (and NewWord) files written in document mode.
WINDEX	.DOC	6k	<--- READ me FIRST!!
WORDS	.COM	12k	Puts "words" from input file onto separate output lines. Useful for setting up cross-references and indexes.
WORDS	.DOC	2k	<--- READ me FIRST!!
WSDOCON	.COM	2k	WordStar (NewWord) Non-Documents to Document conversion program.
WSDOCON	.DOC	4k	<--- READ me FIRST!!

-BAMDUA.034

This library volume contains a professional quality interactive debugging tool designed to speed the testing of Z80 assembly language programs. Originally written as a standalone monitor for use in a large development system, this program has been modified to run under CP/M. Use it as a powerful replacement for DDT! READ the .DOC file!!!

Also included on this disk is a small program that turns your powerful computer into a correcting typewriter. Use it to address envelopes, create a quick note, or edit files without having to load WS or NW.

PICO-ED .COM 2k Makes the computer a correcting typewriter.

Z8E .COM 12k Z80 replacement for DDT, only BETTER!
 Z8E .DOC 166k <---- READ ME!
 Z8E .SYM 2k Symbol table file -- Read .DOC file for use!

-BAMDUA.035

This library volume contains the version of NULU that will correct the bugs encountered while uncompressing/extracting files when using NULU11. A utility to "column-print" two pages of a file on a single sheet of paper and a Z80 macro assembler are also included.

-BAMDUA .035 2k -You're reading it now.

DBL4 .COM 4k -Program to print files two pages at a time on a single sheet of paper using the compressed mode found on most dot-matrix printers.

DBL4 .DOC 10k <--- Documentation for above -- READ ME !
 DBL4 .ASM 26k -Source code for the above program.

DELEPSON.ASM 4k -DBL4 overlay file -- Epson RX80/MX80.
 DELGEN .ASM 4k -DBL4 overlay file -- Generalized printer.
 DBLOKI .ASM 4k -DBL4 overlay file -- Okidata Microline.

NULU12 .COM 16k -Version of NULU11 containing the bug fixes in the NULU11F1.ASM file.

NULU12 .NOT 2k <--- Documentation of above fixes -- READ ME !
 NULU .CMT 4k -Review of the NULU program.
 NULU .DOC 58k <--- Documentation file for the NULU series of programs -- READ ME !!

NULU11F1.ASM 2k -Patch file incorporating the fixes of the bugs encountered with uncompressing/extracting files with NULU11.

NULUTERM.ASM 4k -Patch file for installing NULU with your terminal characteristics.

MLOAD23 .COM 4k -Program to install program patches without using DDT or a similar error-prone utility.

ZASM .COM 14k -Z80 macro assembler similar to MAC and RMAC.
 ZASM .DOC 26k <--- Documentation for above -- READ ME !!

-BAMDUA.036

This library volume contains programs submitted by BAMDUA members. The Basic CHASE game program, the bio-rhythm program, the MDT60 terminal cursor controller program, and the Okidata Microline printer utility were submitted by Tom Sarbeck of San Francisco. The utility program to modify the control parameters of the serial ports on the MicroDecision Rev. 2 board was written by George Borys.

Other programs on this volume include a improved version of the indexing program for WS/NW document files, a utility to generate a cross-reference listing from the information contained in the

MAST.CAT catalog file, and another "DIR" utility for those of you who are tired of seeing everything listed in upper-case letters.

-BAMDUA .036 6k -You're reading it now.

BIO .BAS 6k -Cleaned-up version of the bio-rythm program.
BIOPR .BAS 6k -Same except that it prints a bio-rythm chart.

CHASE85 .BAS 18k -A vastly changed version of the original CHASE.BAS program. The changes include the following:

1. A larger, 20 high by 79 wide, grid that throughout the game remains on the screen. See note 3 below.
2. Automatic play. (Using the MBASIC INKEY function, initial movement or non-movement continues until the player keys in another digit from the number keypad).
3. A necessary MDT 60 terminal escape sequence (ESC = Y X) positions the cursor on the screen. Other terminals may require changing line 70.
4. Another MDT 60 escape sequence (ESC QUOTE N) turns the cursor on and off and changes its blink speed during play. For other terminals, check lines 80 and 90 in the program or use the CHASE85X.BAS version of the game.
5. REM statements document the program logic.

CHASE85X.BAS 18k -Exactly the same as above except that it does not use the cursor on/off and blink speed control. But the cursor definitions and use code are all present in REM statements. It runs as is on Kaypro 2, 4 and 10.

D-100 .COM 4k -A 'DIR' program that prints its output using lower-case rather than UPPER-CASE characters.

MDSETCOM.COM 2k -Utility to change the baud rate (20-50000), the number of data bits (5-8), and/or the number of stop bits (1, 1.5, 2) on either or both of the serial ports on the Morrow Micro-Decision revision 2 board. Use it to "push" a 300 baud modem to 450 baud, or goose it (the baud rate) to the limit for print buffers or other hard-wired applications. This program can be driven directly from the command line or use the built-in menu screen.

\NOTES\ . 2k <--- READ ME !!!!!

MDSETCOM.MAC 18k -Assembler (M80) source code file for above.
MDSETCOM.HEX 6k -M80 assembler output file.
MDSETCOM.REL 4k -M80 assembler output file.
MDSETCOM.PRN 46k -M80 assembler listing file.

MDT60M .BAS 2k -A MDT60 terminal cursor controller program written in MBASIC. See MDT60.DOC.

MDT60S .BAS 2k -Same as above except in SBASIC.

MDT60 .COM 6k -Compiled version of the SBASIC program.

MDT60 .DOC 2k <--- Documentation for above -- READ ME !

OKI92M .BAS 4k -An OKI92 printer controller program written in MBASIC. See OKI92.DOC.

OKI92S .BAS 4k -Same as above except in SBASIC.

OKI92 .COM 6k -Compiled version of the SBASIC program.

OKI92 .DOC 2k <--- Documentation for above -- READ ME !

WINDEX2 .COM 4k -Faster, improved version of WINDEX: a program to create indexes for WS/NW files written in document mode.

WINDEX2 .DOC 10k <--- Complete documentation for above -- READ ME !!

XCAT36 .COM 4k -Generates a cross-reference listing from the information contained in the MAST.CAT file.

XCAT36 .DOC 4k <--- Documentation for above -- READ ME !

-BAMDUA.037

This library disk contains a series of programs that makeup TOUR Version 2.0, a tool to help collect and organize thoughts. This "Document Heirarchy Editor" contains a text formatting program that is quite powerful. It formats text files by using "dot" commands embedded in the text itself. The text processing programs "NROFF", a formatter for use with hard-copy printers and terminals, and "TROFF", a photographic typesetting formatter, are based on the ROFF formatting program.

An external program that temporarily replaces your computer's Console Command Processor (CCP) with additional functions is also contained on this disk along with several useful utility programs.

-BAMDUA .037 4k -You're reading it now.

DISK76 .COM 4k -File manipulation program similar to NSWP. Pressing any key not used by the program redisplayes the menu on the screen.

FILEFIND.COM 2k -Version 11.0 of a program the will search all drives and user areas to locate the requested filename(s) starting at A00. Typing the command name with no argument will display a small help screen.

TOUR20 .COM 26k -Document Heirarchy Editor --Outlining tool to help collect and organize thoughts. A tool for writing adgendas and/or planning presentations.

TOURGUID.DOC 48k <--- Documentation for above -- READ ME !

MAKETINI.COM	14k	-Initialization program for TOUR program.
MAKETINI.DOC	4k	-Documentation for above -- READ ME !
ROFFTOUR.COM	20k	-Enhanced version of ROFF: a text formatter based on the program described in the book "SOFTWARE TOOLS" by Kernigan and Plauger.
ROFFGUID.DOC	14k	<--- Documentation for above -- READ ME !
REV2 .TOU	8k	-Review notes on TOUR Version 2.0 written by a BAMDUA member.
WSENV .COM	10k	-Program to address envelopes or print labels using the address information contained in a WS/NW file.
WSENV .DOC	2k	<--- Documentation for above -- READ ME !
XCCP .COM	4k	-External CCP program which provides additional functions not provided in the "stock" CP/M CCP. (User can return to CP/M's CCP by entering the ^Y command).
XCCP .DOC	14k	<--- Documentation for above -- READ ME !
XCCP .HLP	2k	-Table of the commands available under XCCP.
XCCPNO^Y.COM	4k	-SYSOPS -- Enhanced CCP + RCP/M made easy!
XCCPRCPM.DOC	4k	<--- Documentation for above -- READ ME !

SPECIAL PUBLIC DOMAIN DISK SERIES

We have a new public domain series, added to our library. As well as the usual library disks, containing public domain software as it comes out and is received by us, compiled by Librarian Gene Korte, we also have a series with different numbers, which are compilations of public domain software and documentation in related groups. It is our intention to revise and upgrade these annually.

-BAMDUA.01A -- ALL-PURPOSE UTILITIES

-BAMDUA .01A 4K Directory of this disk; you're reading it now.

SWEEP PROGRAMS

DISK77B .COM	6K	Compact sweep, similar NSWP, very fast copy.
DISK77B .DOC	6K	<---Documentation for above -- READ ME!
NSWP206+.DOC	26K	<---Documentation for below -- READ ME!
NSWP207 .COM	12K	Sweep, replaces PIP & STAT, runs from menu.

DIRECTORIES

DIR22 .COM	4K	4-col. vert. sorted directory.
SD-1 .COM	2K	4-col. horiz. sorted directory.
SD-106 .COM	6K	Versatile, powerful directory w/many options.
SD-106 .DOC	4K	<---Documentation for above -- READ ME!
SD-106 .INF	16K	<---More documentation for above -- READ ME!
SD-77 .ART	4K	<---Documentation for below -- READ ME!
SD-77H .COM	4K	4-col. horiz. sorted directory, add'l commands.

SD-77V .COM 4K 1-col. vert. sorted directory, add'l commands.
 ZX2 .COM 2K 4-col. horiz. sorted dir. + copy, REN, ERA files.
 ZX3 .COM 4K 4-col. horiz. sorted dir. + ZX2 + unerase & edit.
 ZX3 .DOC 20K <--Documentation for above -- READ ME!

PRINTING UTILITIES

LISTT15 .COM 4K LISTT v.1.5 prints text files, sets margin, paging controls.
 LISTT15 .DOC 6K <--Documentation for above -- READ ME!
 SLM .COM 2K Set Left Margin (page offset where print begins) Esp. for MP-100 printers w/tractor feed.
 SLM .DOC 2K <--Documentation for above -- READ ME!

OTHER UTILITIES

BISHOW .COM 2K View text files, scroll back & forth, WS commands
 Use: BISHOW d(rive)(user)#:filename.ext<cr>
 COMPARE .COM 2K Compare two files to determine if same or diff.
 Use: COMPARE d#:filenam1.ext d#:filenam2.ext<cr>
 FBAD57&6.DOC 8K <--Document'n for FINDBAD v.5.7-6.0 -- READ ME!
 FBAD60 .COM 4K FINDBAD v.6.0, CP/M 2.2, find & lock out bad disk sectors.
 FBAD60+ .COM 6K FINDBAD v.6.0, CP/M 3.0 systems.
 NEWDISK .DOC 6K <--Documentation for below -- READ ME!
 NEWDISK .PIL 2K Runs w/PILOT.COM, automates format & sysgen of new disks.
 QK-21 .COM 4K QUIKKEY (similar SMARTKEY) v.2.1
 QK-21 .DOC 10K <--Documentation for above -- READ ME!
 QK-21 .UPD 2K <--Additional update documentation for QUIKKEY.
 UNERA30 .COM 2K UNERASE v.3.0, recovers erased files, ufn or afn.

-BAMDUA.01B -- HELP, DISK CATALOGUES, ZCPRI EZ-INSTALL

-BAMDUA .01B 2K Directory of this disk; you're reading it now.

HELP SYSTEM

HELP .COM 2K Accesses *.HLP files in organized fashion.
 Usage: HELP<cr> or HELP CPM<cr>
 HELP .HLP 8K Explains how help files work.
 CPM .HLP 38K Help with CP/M operating system fundamentals.

NCAT v.3.2 DISK-CATALOGUING SYSTEM

LISTCAT .COM 18K Used to print from master catalogue.
 LISTCAT .DOC 2K <--Documentation for above -- READ ME!
 NCAT-32 .COM 8K Obtains directory of disk, adds to master catalog
 NCAT-32 .DOC 6K <--Documentation for above -- READ ME FIRST!
 NCAT-32 .SET 4K Sets No. directory entries for your disk system.
 XCAT-36 .COM 4K Makes & prints cross-referencing list.
 XCAT-36 .DOC 4K <--Documentation for above -- READ ME!

YANC v.2.3 DISK-CATALOGUING SYSTEM

YANC-23 .COM 34K Menu-driven 'Yet Another Catalogue' system
YANC-23 .DOC 4K <--Documentation for above -- READ ME!
YANC-23 .HIS 14K <--Additional documentation for above -- READ ME!
YANCTERM.ADM 4K Sample parameter file for ADM terminals.
YANCTERM.PRM 4K Parameter file for above program.
YANCTERM.SOR 4K Sample parameter file for SOROC terminals.

ZCPRI EZ-INSTALL VERSION (CP/M 2.2 ONLY)

EX14 .COM 4K Replacement for SUBMIT.COM, used for installation.
ZCPR .DOC 6K <--Documentation for installation -- READ ME!
ZCPR .HEX 6K One of 2 possible ZCPR installations.
ZCPRX .HEX 6K Alternative to the above.
ZINSTAL .SUB 2K Submit file used to instal ZCPR.HEX
ZINSTALX.SUB 2K Submit file used to instal ZCPRX.HEX.

-BAMDUA.02A -- NON-MODEM PROGRAMS FOR FILE TRANSFERS

-BAMDUA .02A 4K Directory of this disk; you're reading it now.

FINDING, ADDING, CHANGING, STRIPPING 8TH-BIT INFORMATION

CHECKWS .COM 6K Counts & lists words, lines & 8th-bit info. in text file.
ENSOFT .COM 8K Converts ASCII file to WordStar/NewWord document.
ENSOFT .DOC 8K <--Documentation for above -- READ ME!
FILF .DOC 6K <--Documentation for below -- READ ME!
FILTA .COM 2K Strips/filters 8th-bit info. from ASCII files.
FILTB .COM 2K Strips/filters 8th-bit info. from BASIC files.
FILTW .COM 2K Converts WordStar/NewWord doc's to simple ASCII.
FILTWC .COM 2K Similar to FILTW, diff. treatment of line feed & carr. ret.
HARDSOFT.COM 2K Converts WS/NW doc's to ASCII & vice-versa.
HARDSOFT.DOC 2K <--Documentation for above -- READ ME!
PURETEXT.COM 10K Menu-driven, converts WS/NW doc's to simple ASCII.
TRSCPM .COM 4K Converts Radio Shack TRSDOS text file to CP/M form.
TRSCPM .DOC 2K <--Documentation for above -- READ ME!

FILE ENCRYPTION FOR SECURITY

PASSWORD.ASM 8K Source code for program below.
PASSWORD.COM 2K Requires password to run any CP/M program.
PASSWORD.DOC 2K <--Documentation for above -- READ ME!
SCRAMBLE.ASM 6K Source code for program below.
SCRAMBLE.COM 2K Requires password to access any CP/M file of any kind.
SCRAMBLE.DOC 2K <--Documentation for above -- READ ME!

TOOLS FOR HANDLING VERY LARGE FILES

CHOP .COM 10K Copies large text files to smaller consec. files
128 lines or less.
CHOP .DOC 2K <--Documentation for above -- READ ME!
CHOP .PAS 2K Pascal version of CHOP.COM.
NSWP206+.DOC 26K <--Documentation for below -- READ ME!
NSWP207 .COM 12K All-purpose sweep, includes SQ/USQ batch file
operations.
SQ111 .COM 6K Assembler (fast) vers. of SQUEEZE.COM, compresses
files.
SQ111 .DOC 4K <--Documentation for above -- READ ME!
TYPESQ .COM 10K Types squeezed or unsqueezed files.
TYPESQ17.COM 10K Similar to TYPESQ, incl. wildcards, multi-file
operations.
USQ120 .COM 2K Assembler (fast) vers. of UNSQUEEZ.COM.
USQ120 .DOC 4K <--Documentation for above -- READ ME!

-BAMDUA.02B -- LIBRARY UTILITIES

-BAMDUA .02B 2K Directory of this disk; you're reading it now.
LBRDISK v.2.3: USE LIBRARY AS VIRTUAL DRIVE TO SAVE DISK SPACE
LBCREATE.COM 2K Creates empty library, into which files copied.
LBRDISK2.DOC 6K <--Documentation for system programs -- READ ME!
LBRDISK2.NOT 2K <--Info. to implement ZCPR2.
LBRDSK23.COM 8K Allocates named drive to library.
LBRDSK23.NOT 2K <--Info. to implement CRCK & MODEM7 batch mode.
LBRDSK23.SET 2K <--Patching info. for options.
SETRSX11.COM 2K Executed once prior to using LBRDSK23.

LU (Library Utility) v.3.10

LU300 .DOC 36K <--Documentation for below -- READ ME FIRST!
LU310 .COM 20K Combines/uses/extracts multiple files in 1
library file.
LU310 .HLP 2K Summary of commands, accessed from program.
LU310 .UPD 4K <--Additional documentation to current version.

NULU (Library Utility) v.1.51

MLOAD24 .COM 4K Used to patch program, instructions in .ASM files.
NULU15 .DOC 56K <--Documentation for below -- READ ME FIRST!
NULU15 .NOT 2K <--Additional message from program author.
NULU151 .COM 16K Combines/uses/extracts multiple files in 1
library file.
NULUFIX .ASM 2K Patch file incorporating bug fixes of prev. vers.
NULUTERM.ASM 4K Patch file to install terminal characteristics.

TYPEL v.2.3

TYPEL23 .COM 6K Types squeezed/unsqueezed files, incl. files in
libraries.
TYPEL23 .DOC 6K <--Documentation for above -- READ ME!

NB: To order any of these or other disks in the BAMDUA public
domain library, use the order blank on page 22 of this Newsletter.

GUIDE TO PAST NEWSLETTERS CONTENTS:

(from Sept. 1985 thru July 1986)

In this first issue of the fall season, we list a guide to past Newsletter articles for the year. This list covers issues of the Newsletter from Sept. 1985 through July 1986. This is your special REFERENCE issue; together with previous REFERENCE issues, it provides a full guide to all Newsletter contents.

General Information: Membership, Newsletter Submissions, BAMDUA Officers, President's comments, Special Deals, etc. all issues

Variable Departments:

Pass the Notepad V.3, #9,11; V.4, #2,3,4,6
From the Mailbox V.3, #11; V.4, #7
Library News See special summary, this issue
Potpourri of Tips and Tricks V.3, #9; V.4, #3, 4

Software Reviews:

Typewriter }
Write-Hand-Man }
Shadow Print }
Poor Person's Spooler} V. 3, #9

Electra-Find (update)}
Proportional Star } V. 3, #10

Magic Series }
Free Filer (plus comparison with Electra-Find)}
Shadow Print (update)} V. 3, #11

Notebook }
Punctuation + Style } V. 4, #1

Print Master }
Word Finder } V. 4, #2

Archive V. 4, #3

OutThink V. 4, #4

PsychoStat-3 }
Twist & Shout }
EC Catalog }
Cardbox Plus } V. 4, #5

FontStar V. 4, #6

Free-Filer (update) V. 4, #7

Public Domain Software Reviews:

LBRDISK2 V. 3, #9
TXT42 V. 4, #1
Bradford V. 4, #6

Brief Reviews:

ThinkJet V. 4, #2
The Word Plus V. 4, #3
Spelling Checker V. 4, #3
Writing Tools V. 4, #4

Product and Book Reviews:

The skeptical Buyers Guide to Used Computers..... V. 4, #2
MacInker V. 4, #7

Hardware/Software Modifications:

Reinventing Your Morrow MicroDecision
Part 1: Simple Enhancements V. 3, #10
Part 2: MDT20 Upgrade V. 3, #11
Programs for the upgrade V. 4, #1
Part 3: Adding DSDD Drives V. 4, #6
Part 4: SmartKey and the MDT20 V. 4, #3
XCCP V. 4, #2
Enhanced MDT20 V. 4, #3
Enabling the Print Screen Key for the MDT20 V. 4, #4
Nonstandard Telecommunication Parameters V. 4, #4
Modifying Modem7 V. 4, #4

Articles:

Programming Languages, Part 1 V. 4, #1
Programming Languages, Part 2 V. 4, #2
Communications at the Bit Level V. 4, #2
XCCP (application to real estate) V. 4, #2
Mailing Lists with Personal Pearl V. 4, #3
Mailing Lists with WordStar/NewWord V. 4, #3
Prop Star Notes V. 4, #3
Fix Keys? V. 4, #4
Automatic Backup Disks V. 4, #4
Fan Notes (quieting the fan on the MD3) V. 4, #5
NewWord and User Areas V. 4, #5
Compilers and Interpreters, the difference V. 4, #5
SmartKey (programming with Macros; ready-
made Macros, and more) V. 4, #5
Frills and Fonts V. 4, #6
CP/M and MS-Dos Compared: user areas and
subdirectories V. 4, #7

(NB: These and any other issues of the Newsletter can be ordered by using the order blank on page 24 of this Newsletter).

SOFTWARE REVIEW: CHECKS & BALANCES

by Georgia Babladelis

Program: Checks & Balances
Company: CDE Software
Vendor: Valcon
1260 Westwood St.
Redwood City, CA 94061
Price: \$59.95 (plus tax and shipping)

Checks & Balances allows you to keep track of your expenses and bank balance in a normal checkbook fashion -- but it also does a great deal more! This program lets you plan and keep a budget, categorize your income and expenses for tax purposes, monitor your financial status in terms of your networth, and print out checks, mailing labels, or keep a roladex type data base.

The nice thing about such a program is that once you categorize your expense and income information, then all you do is enter it once in your "checkbook" and all the other information that you want later on is readily available. In other words, you do not have to enter the same data in several different places. The program makes it possible for you to retrieve the information in a variety of forms.

The program is command driven and works fast. Both entering data and retrieving data is easy and speedy. You can ask it to SHOW you whatever data you need to know. For example, you might want to know how much you spend on your automobile, etc. Automatic budgeting can be set up so that you can plan your expenses and see how your actual spending fits with your proposed spending. Although this is not an accounting package, obviously small businesses can use it for that purpose.

More than one check book can be managed on a disk and over 3000 transactions can be stored on a DSDD disk. The program requires 2 DSDD disks if you want to use its full capabilities. One disk holds the program itself and many of the overlay files; the second disk is your data disk, also with overlay files.

If you have ever used a checkbook keeping program before you may have experienced a great deal of frustration at the need to set up categories of expenses and income. That is because, once these are set up, they are unmodifiable and tend to make a saint swear. Not so with Checks & Balances. Yes, you do set up categories ahead of time, but you can change them, add to them, or get rid of them whenever you want! Furthermore, your work is not interrupted if you decide to use a category for which you have not pre-arranged. The program simply gives you a friendly reminder that you do not have any such category yet! What a relief! Some time ago I tried to use Smart Checkbook and it drove me up the wall because once the categories were assigned, no changes could be made. If you have experienced that, then you know what a boon Checks & Balances is.

The user can move around the screen easily and quickly. Simple cursor movements take you anywhere in your "checkbook" including being able to scroll forward or backward. Since there are no cumbersome menus to slow you down, everything works quickly. The commands are easy and logical; help menus are readily available; and it is easy to remedy any mistake: simply move the cursor to the error and change the entry. Changes in the data can be made any time the cursor is in the data area. The program keeps track of all such changes and reflects those changes in the totals provided. For example, a running account is displayed of what your bank balance is (i.e., what has cleared the bank) and what your actual check book balance is. Therefore, based on my limited experiences with other programs but on extensive experience with maintaining checkbooks, I would rate this program as a superb one. It is a quick, powerful, and complete personal money manager!

By the way, Barbara Valley of Valcon has personally demonstrated this program to our members at our May Bamdua meeting so I assume most interested people are aware of its many features; and this program has received many favorable reviews so I tried to be brief. (See the excellent and most favorable review of it in User's Guide, Vol. 3.1, No. 13, 1985, p. 16-21).

Checks & Balances is available to BAMDUA members at the special price of \$59.95 (plus shipping and taxes, comes to \$63.50) directly from the vendor, Valcon. Be sure to mention you are a member of BAMDUA.

SPECIAL DEALS

In order to provide you with a brief and long-promised review of Checks & Balances, the Special Deals department of our Newsletter does not appear in this issue. The special deals currently available are listed below. For information about the programs, see the brief descriptive sketches of them in the last (July) Newsletter, which also refer you to the appropriate issue in which a program was reviewed; see also the guide to Newsletter contents in this issue.

- | | |
|------------------------|---------------------------------|
| 1. <u>DATA PLOTTER</u> | 5. <u>EC-CATALOG</u> |
| 2. <u>PSYCHOSTAT-3</u> | 6. <u>CHECKS & BALANCES</u> |
| 3. <u>OUT-THINK</u> | 7. <u>FONTSTAR</u> |
| 4. <u>REACHOUT</u> | 8. <u>BRADFORD</u> |

ALL THAT'S CLASSIFIED

=====
Documentation design, consultation, and writing by experienced technical writer who specializes in concise and easy-to-read manuals for end users. Call Lenore Weiss at 415/953-7609.
=====

=====
Doing your own thesis/dissertation? Consultation in APA, Turabian, Campbell formats; proofreading, editing. 10% discount to BAMDUA members. Nancy Schluntz, Wordsmith & Copycrafter, 415/537-9172.
=====

=====
FORGET THE PEARL! Order customized database programs. Menu driven: Enter, Correct, Delete, Search, Sort, Print. ADDRESS AND PHONE BOOK, ALBUM LIST, RECORD LIST, NOTE PAD, and more. Guaranteed. Send for Catalog. KCS SOFTWARE, 927 Mears Court, Stanford, CA 94305, 415/493-7210.
=====

=====
COMPUTER TUTOR: I make house calls. Individual tutoring specialist especially for beginners. Programmer, Debugger, Systems Analyst. Roger Barker 415/829-7246. San Francisco, Berkeley, Oakland, Walnut Creek, Danville.
=====

=====
FOR SALE: Morrow MD 5, 5K hard disk plus one floppy. MT-70 Monitor and all software. A1 condition, barely used, \$1000. Ted Blum 415/567-3127
=====

THANKS

Usually I try to find some space in each Newsletter to thank all those who contribute ideas and articles to it. This time I created some space in order to thank the person most responsible for the continuing existence of BAMDUA: Sypko Andreae.

BAMDUA and its Newsletter begin still another season this fall, which is itself a remarkable feat when you consider how many of our kind of users' groups have folded. The fact that we are still a lively and active group, albeit much shrunk in size, is due largely to the hard work and creative efforts of Sypko. He has poured time and energy into guiding the mushrooming of the membership and into arresting --or at least slowing -- its deflation.

A strong "center", both physically and psychologically, is basic to the survival of organizations in general and to volunteer organizations in particular. Not only has Sypko provided that kind of leadership, but also he has assembled a group of hard-working, dedicated people to share the responsibilities. Moreover, using characteristic foresight, he has made possible the continued existence of a "physical" center -- an office and staff! BAMDUA could not afford to maintain office space if it were not for the arrangements Sypko made possible in his role as publisher and editor of Morrow Owners' Review. Largely due to Sypko, BAMDUA still lives and has a home. THANKS SYPKO!

ORDER BLANK FOR BAMDUA LIBRARY VOLUMES

DATE: _____ YOUR PHONE: _____

YOUR NAME: _____

ADDRESS: _____

_____ ZIP _____

PLEASE SEND ME THE FOLLOWING BAMDUA LIBRARY VOLUMES AT \$8.00 PER FLOPPY. I HAVE JOINED BAMDUA AS A MEMBER.

(Note: See Newsletter V.2, #8, Sept. 1984 for summary of library disks (1-14) available to date; see Newsletter V.3, #8, Sept. 1985 for summary of library disks (15-30); see Newsletter V.4, #8, Sept. 1986 for summary of library disks (31-37) and special disk series).

Below, you may circle your choice of library volume and under each choice, enter the # of disks you want, if more than one.

CIRCLE CHOICE: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
(quantity): - - - - -

CIRCLE CHOICE: 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37
(quantity): - - - - -

SPECIAL LIBRARY VOLUMES: (circle choice): 1A 1B 2A 2B
(quantity): _ _ _ _

Total # of disks _____
@ \$8.00 each = _____
Check enclosed for \$ _____

Please enclose a check for exact amount. Mailing and packaging is included. Make check out to BAMDUA. BAMDUA, P.O. BOX 5152 BERKELEY, CA 94705

=====

WHAT'S AVAILABLE

The public domain software library contains 37 volumes. They are available at meetings for \$5.00 each, or through the mail for \$8.00 each. Write a check to BAMDUA, Box 5152, Berkeley, CA 94705. Allow up to one month for delivery.

Back issues of BAMDUA Newsletter cost \$1.00 for issues 1-3, and \$2.00 for each issue after that. They are also available at BAMDUA meetings or through the mail. The price is the same either way. Make your check out to BAMDUA. Allow up to one month for delivery. A special price is available for back issues of the BAMDUA Newsletter if you order a complete set of volumes; thus, volumes 3 & 4 (1984 & 1985) can be had for half price (i.e., for \$22 rather than the \$44 it would cost to purchase each issue separately).

All back issues of MORROW OWNERS REVIEW are available for \$4.00 each. They start with April 1984 and are published bimonthly.

A directory of approximately 300 BAMDUA members is available for \$1.50. Get your copy now so you will be able to know who to call when you need help or want to exchange information. Make your check out to BAMDUA.

HELP IS AVAILABLE

In addition to the friendly help you can get from Greg Smith at the BAMDUA office (644-2805), the following people have kindly offered their help to BAMDUA members:

George Borys: CP/M operating system; hardware-related problems. Call between 7-11 p.m., 415-582-7615.

Peter Campbell: General questions, including NewWord and dBase. Call during day or after 7 (up to 10) p.m., 415-527-3387.

Rick Charness: General questions, also specific ones about modem communications, ZCPR, Word Processing. Call in the mornings up to 11 a.m., or evenings and weekends, 415-826-9448.

Gene Korte: General questions, and ZCPR. Call 7-10 p.m. or weekends, 415-525-8944.

Lee McKusick: Turbo Pascal. Call a.m. only, 415-849-9053.

Frank Oechsli: General questions. Call evenings, 415-527-6089.

ORDER BLANK FOR BAMDUA NEWSLETTER BACK ISSUES

DATE: _____ YOUR PHONE: _____

YOUR NAME: _____

ADDRESS: _____

_____ ZIP _____

PLEASE SEND ME THE FOLLOWING BACK ISSUES OF THE BAMDUA NEWSLETTER. I AM A MEMBER OF BAMDUA.

(Volumes 1, issues 1+2+3 together cost \$1.-. Issues #4, 5, etc. through the present Volume are \$2.00 each.)

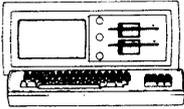
For summaries of the contents of past Newsletters See V.2, #8, Sept. 1984; V.3, #8, Sept. 1985; and V.4, #8, Sept. 1986.

ISSUE #	PRICE		COST
1983			
Volume 1			
(1+2+3)	1.00		_____
(4-8) each	2.00	CIRCLE CHOICES: 4 5 6 7 8	_____
1984			
Volume 2			
(1-11, no Aug. issue).		CIRCLE CHOICES: 1 2 3 4 5 6	
each	2.00	7 8 9 10 11	_____
1985			
Volume 3			
Each issue	2.00	CIRCLE CHOICES: 1 2 3 4 5 6	_____
		7 8 9 10 11	
1986			
Volume 4			
Each issue	2.00	CIRCLE CHOICES: 1 2 3 4 5 6	-----
		7 8	

Summary:
 1st 3 issues: \$ _____
 #issues @ 2.00 ___ = \$ _____
 Total cost: \$ _____
 TOTAL ENCLOSED: \$-----

Please enclose check for exact amount. Packaging and mailing is included. Make checks out to: BAMDUA
 Mail to: BAMDUA
 P.O. BOX 5152
 BERKELEY, CA 94705

(SEE SPECIAL WHOLE VOLUME OFFER IN "ITEMS" SECTION)
 =====



MORROW MD-3P \$695
Includes: NewWord, CorrectIt,
 SuperCalc, Personal Pearl, MBasic

MODEMS

OmniTel - 1200 Modem ...\$289
 Volksmodem-300 ...\$ 35
 Morrow Modem w Software ...\$149

ANAX (IBM-XT Compatible) \$975

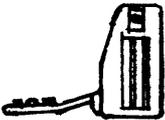
Includes: Dual Floppy; 640K RAM;
 DOS; Basica; Monochrome Monitor;
 Perfect Writer, Speller, Calc,
 Filer & Link, Fast Graphs; Home
 Accountant; Tutorials; TIM IV.;
 & Smart Disk to read CP/M disks

**MORROW PIVOT II PORTABLE (MS-DOS)
 COMPLETE IBM-PC Compatibility!!**

-With: Dual 5-1/4" Drives, MS-DOS,
 640 RAM, NewWord & Battery. \$1,750

OPTIONS:

1200 Modem \$360
 Ext'l Video \$240
 Carry Case \$ 80
 10Mb Hard Disk \$1,295
 21Mb Hard Disk \$1,595
 360K add'l RAM
 Disk \$149



LETTER QUALITY PRINTERS

MP 200: 18 cps w TRACTOR..\$495
 MP-100: 16 cps w TRACTOR..\$285
 For Morrow MP-100/200/300:
 Tractors ...\$135
 Multi-Strike Ribbons ...\$ 7
 Print Wheels ...\$ 18

CABLE/SWITCH

Parallel Switch ...\$ 89
 Serial Switch ...\$ 79
 Parallel Cables ...\$ 16

SOFTWARE

NewWord Version 2.14 ...\$ 90
 NewWord Upgrade ...\$ 35
 Champion: 5 Modules ...\$395
 Accounting (\$2,475 List)
 Supercalc II ...\$195
 Turbo Tutor ...\$ 29
 Turbo Tool Box ...\$ 39
 Turbo Pascal Ver. 3.0 ...\$ 52
 Uniform (MD-2,3,5 or 11)..\$ 65
 ReachOut Upgrade ...\$ 25
 for MM 300
 SmartKeys II ...\$ 49
 HyperTyper(Typing Tutor)..\$ 29

LOCAL AREA NETWORK

Adevco/Morrow Kit \$175
 For MD-3/3P/5/11/16/3

WORLD



**BUSINESS
 CENTER**

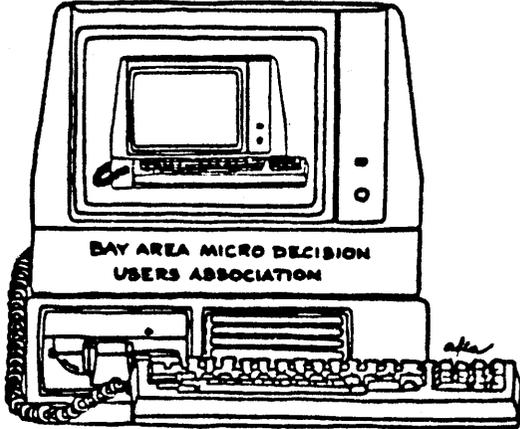
12186 WINTON WAY, LOS ALTOS, CA 94022

CALL 415/941-3269 TODAY

BAY AREA MICRO DECISION USERS ASSOCIATION
P.O. BOX 5152, BERKELEY, CA 94705

NON PROFIT ORG.
U.S. POSTAGE
PAID
BERKELEY, CA
PERMIT NO. 280

BAM DUA



A MUTUAL SUPPORT NETWORK FOR USERS OF
MORROW'S MICRO DECISION COMPUTERS -
P.O. BOX 5152, BERKELEY, CA 94705