

#####

**CP/M & MS-DOS
SOFTWARE**

from
Elliam Associates
Phone: (818) 348-4278

CP/M is a trademark of Digital Research, Inc.
MS-DOS is a trademark of Microsoft Corp.

The Tarbell Database System is an easy to use powerful system that consists of a main menu program and a series of overlay programs that use a common file format. The programs are provided in .COM file form, which can be run immediately with no other software except CP/M. Most of the programs allow users to access files concurrently under MP/M-IL. All programs have the following features:

- . Unlimited Sequential File Size.
- . To 65,535 Record Random Files.
- . Multi-User File Locking.
- . Multi-Line File Type.
- . Variable length fields.
- . Long Field names with spaces.
- . 12-digit BCD numeric precision.
- . To 400 Chars, 100 fields/record.
- . HELP files.

With this menu driven program you can:

- Create and Update both Sequential and Random Files.
- Query the Files.
- Copy the files based on selection criteria.
- Generate various reports with totals and subtotals.
- Print Labels and Letters.
- Write your own command files or use the Tarbell Program Generator.

The following Commands are available:

- APPEND adds new records.
- ATTACH/DETACH MP/M printers
- BYE exit to menu
- CHANGE write data
- CLOSE closes a file

- CONSOLE console on
- COUNT count rec.
- DELETE delete rec.
- DEFINE create macro
- ERASE ERA a file
- FILES list open files
- FIND find a record
- GOTO a command file line
- IF-ELSE-ENDIF exec on condition
- INDEX create index
- INPUT input data
- LET assign value
- LIST list a file
- LOCATE search for data string
- LPRINTER printer on
- OPEN opens file
- PRINT(using) value of variable
- REMARK command file
- RENAME renames file
- RESET to change disks
- RUN runs cmd file
- SKIP to another record
- STRUCTURE list flds
- SUM total file column
- SYMBOL list variabl
- USE attach index

Arithmetic Operators: + - * /

Concatonation: +

Logical Operators: AND, OR, EXCEPT

Comparison Operrs: $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ = $\frac{1}{4}$ = $\frac{1}{2}$ =

Functions include: FRE, SQR, EXP, LOG, SIN, COS, TAN, RECNO (current record #), and RESULT of last SUM or COUNT.

The Tarbell Database System requires at least a 48K CP/M system. Included with the disks is a comprehensive instruction manual.

Tarbell Database System \$249.00
 Tarbell Database Manual 50.00
 (applies to purchase)

UNE / CON File Recovery System for CP/M Users

An ERA *.BAS instead of ERA *.BAK can ruin your whole day. UNE/CON can save the day. This system will UNERASE any accidentally erased files. In addition this system will indicate if you will "clobber" another file when UNERASing.

The UNE/CON system works on all CP/M 2.2 systems for single and double density disks as well as with hard disks using standard CP/M directories.

UNE/CON reads the directory of both active and erased file names then determines if there are active files using space also assigned to erased file names. This information is displayed so the user may decide what action to take.

UNERA is another easy to use program that can recatalog one or more file names in your CP/M directory. Single files name are recataloged by the command 'UNERA filename'. Multiple files may be recovered with 'UNERA'. Each ERASed file name is displayed giving the user the option of recataloging if desired.

The CONFLICT program goes through the directory for both active and ERASed files. It then displays or prints each file name and indicates the names of any files that are using the same disk space. (Conflict for the same disk area)

Three programs and manual only.
 Price \$50.00

for
 CP/M Users

The Master Catalog system can keep track of 100 to 2000+ files on all diskettes you have in use.

Two listings programs print or display file names from the master catalog in alphabetic order together with the disk name. Selective listings may also be made in a manner similar to that used by the CP/M .DIR command. For example the Catalog programs can provide a listing of just your 'ASM' files or all the files starting with 'SYS?????*' or all the 'PRL' files on disk '027'.

In addition to the Master Catalog system the disk contains a program that sorts the directory on a disk in alphabetic order and gets rid of non-'ERA'able (OK)files. Also there are two directory listing programs that list the directory in alphabetic order and shows each file size and shows each file size and total space remaining.

Both source and object programs are included as well instructions (40+ files) A Cross reference and Find program are included.

Price \$15.00

BOBCAT 3 (CP/M & MS-DOS)

Besides doing everything our Master Catalog System does BOBCAT 3 also allows the user to add information about each files - ends meaningless file names. This file information, up to 65 characters, can be added manually or it can be automatically extracted from many programs and data files.

Disk titles of up to 45 characters may also be entered. When cataloging the disks there is an option that allows the user area to be identified.

The program can print selected information as well as write it to the disk. It can also produce a directory for taping to the disk jacket cover.

Conversion programs to rewrite the catalog database for use by other programs or a word processor are included.

The menu driven program comes with a complete manual.

Price \$49.95

CP / M M A N U A L S

from

Digital Research, Inc.

If the CP/M manual that came with your computer is sketchy don't miss this chance to get a complete CP/M 2.2 Manual. One manufacturer quit selling computers and had a lot of manuals left over. Get all the information about how CP/M works direct from the people who wrote CP/M. This manual explains in detail all of the CP/M commands with examples. These are brand new CP/M 2.2 manuals in hard slip cases and include a registration card.

While they last -- only \$19.95 plus \$3.00 for Shipping & Handling

T A S D A T A B A S E S Y S T E M

and

Accounting Software

We have just started to use this new database system from Business Tools. It does not have some of the handy utilities that some of the more expensive database programs do but it is sure a lot easier and more powerful for writing programs.

For example, it has GOTO's and GOSUB's, as well as, ONGoto or ONGosub How about 16 files open at one time and on a multi-user system with record locking. No 32 fields per record restriction or ':' in field names. Field names (also arrays) may be up to 15 characters long and you can include a '.' or '-' in the name. It has IF, ELSE, FOR and WHILE and everything else to write programs without writing a lot of code. Its a compiler so the programs run fast, faster then the interpreter type databases.

At \$99.00 plus \$4.00 shipping and handling its the best buy around and we also add a couple of example programs.

To go a step or two further Business Tools has released two accounting packages. One contains GL, AP, AR, at \$249.00 including the TAS database system, plus \$6.00 for S&H. The other contains GL, AP, AR, Inventory, Sales Order Entry, Payroll and Purchase Entry at \$399.00 including the database system, plus \$8.00 for S&H.

Since no accounting software fits exactly the way you do business most of the time you have to change to fit the software - not the case with the TAS Accounting software because the SOURCE code comes with it - 4 disks worth, so you can tailor it to fit.

You will need 48K, 24 x 80 screen and two double density drives. Available for CP/M, MP/M, CP/M86, MS-DOS and PC-DOS. We can cover most 5-1/4" disk formats

Order now from ELLIAM ASSOCIATES, 24000 Bessemer Street, Woodland Hills, CA 91367 (818) 348-4278. Visa and M/C Accepted

SCREEN CHOP

for the
Cleco ADAM (CP/M) and

Other CP/M computers with Screens less than 80 Characters Wide

SCREEN CHOP takes data coming to the screen in long lines and chops them so they display as individual lines - eliminating the need for horizontal scrolling.

The SCREEN CHOP program loads itself under the CP/M operating system up out of the way so it does not interfere with other programs. When it loads, both the default width and paging options are on.

The ADAM Delete Key is used to toggle the width function off and on.

The paging option is turned off and on with the ADAM's Undo key. When the paging option is on, the display is halted after the first 22 lines are displayed.

A carriage return will allow the next 22 lines to be displayed and

pressing the space bar will cause the next 5 lines to be displayed.

Instructions are included for reconfiguring the program for different line widths, for changing the toggle key used to turn SCREEN CHOP off and on, as well as, the toggle key that turns the paging off and on.

Price \$15.00

LABELS & ENVELOPES

for CP/M, MS-DOS and IBM Computers

LBL/ENV prints labels and envelopes - Big Deal ! There are many ways to type a few labels or envelopes and probably the best is with a typewriter.

A word processor is usually an over-kill for little jobs so that's why this program came into existence.

You can set the left margins, print as many of the same labels or envelopes as you want. Go back and correct a line, set the spacing between labels and feed in the envelopes. You can even save the address in a MailMerge file if you want to.

Price \$19.95

MAILMERGE ENTRY PROGRAM

for CP/M, MS-DOS and IBM-PC Computers

Building a name and address file for use by the MailMerge / WordStar word processing system can be a bit tedious and at times, down right frustrating. Just miss a comma or a double quote and all of a sudden you wind up with 'Dear Mr. zip code' or something equally as disastrous.

MM/ENTR is a little program that lets you enter MailMerge data field by field without having to be concerned about commas, double quotes and blank fields. The program takes care of the tedium so you don't have to.

You can even back-up and correct the previous field.

When the last field is entered the user has the option of writing the record or going back and correcting any of the previous fields in the current record. The record is written just like it would be if you had used the non-document mode of WordStar and entered each record individually.

The program will handle up to 30 fields per record so the user has complete flexibility in setting up the data fields. Naturally the MM/ENTR program is not restricted to creating MailMerge files. It can be used to create any kind of an ASCII sequential data file.

Price \$19.95

WP HELPER from Foleda Software

Ever have unmatched Print Control codes in your document? One of the 10 programs on the WP HELPER disk will catch them for you. The MATCH program also allows the user to define other characters that must occur as pairs (parentheses).

The Sort program sorts your MailMerge files on any field and even handles upper and lower case so that records stay in Alphabetic order.

The Count program gives you a count of lines, words and characters and WordStar paragraphs. Options allow the user to ignore or include numbers or selected characters, define what a word is, etc. Results may be displayed or printed.

The Head and Tail programs show the beginning and end of a file - you select how many lines to be displayed.

All programs in this package use the same User interface. Programs may be executed with a command line or the program will prompt for user input.

In addition to the 10 programs there are two sample test files on the disk. The 35 page user manual describes how to use each program.

These handy little programs will pay for themselves in no time at all.

Price \$29.95

ELECTRONIC SYSTEMS SOFTWARE

from **POWERTRONIC SYSTEMS, INC.**

Developed and proven in a commercial environment

The widespread use of electronic systems for both military and civilian applications has greatly increased the emphasis on system Reliability and Maintainability. Though there are techniques for calculation of reliability and maintainability, such techniques are usually laborious and time consuming in nature. The Reliability Prediction Program and the Maintainability Prediction program provide a systematic method for calculating reliability.

RELIABILITY PREDICTION PROGRAM

The Reliability Prediction Program is a systematic procedure for determining the reliability on an electronic system based on Military Handbook 217D, the standard used by the military for reliability analysis.

The menu driven program does all the actual failure rate calculations and computes the total system failure rate and the Mean-Time-Between-Failure.

The calculation results may then be printed showing reliability prediction by assembly and sub-assembly. Reports also show the application data for each system element and a summary of the system structure.

DEMO Manual and Disk	\$ 60.00
MIL-HDBK-217C	1250.00
MIL-HDBK-217D	1500.00
MIL-HDBK-217D (notice 1)	1500.00

These CBASIC programs operate under CP/M 2.2 with 64K of Memory or CP/M-86 with 256K of memory, (including the IBM-PC) and two disk drives. A 132 character wide printer is required for the reports.

WRITE OR PHONE FOR ADDITIONAL PRODUCT DESCRIPTION INFORMATION

PROGRAMMER'S HELPER from ELLIAM ASSOCIATES

These are the kind of programs that you probably thought about writing yourself but never got around to it.

LOOK is like **TYPE** except there is Line, Half Screen and Screen advance. Also restart at the top of the file. Line numbers are optional.

EXAM is like **LOOK** but displays any kind of a file including .HEX and .COM files. Printing Characters are displayed as characters and non-printing characters are displayed as HEX.

MAINTAINABILITY PREDICTION PROGRAM

This program is designed to implement MIL-HDBK-472, Procedure 2 and calculates Mean Time to Repair (MTR) for corrective or preventive maintenance at any of three levels (organizational, intermediate or depot).

The maintainability analysis is built using a hierarchy of libraries defined by the user. The general task library containing individual actions, such as soldering, installing a screw, etc. is assessable for all analysis. The system task time library is made up of general tasks and the maintenance tasks are made up of system tasks.

The program then computes the maintainability using repair times and reliability data for the system and prints the results in system level reports.

DEMO Manual and disk	\$ 75.00
MIL-HDBK-472, Procedure 2	1500.00

FREP Searches a file for a character or string and displays the file name if found in one or more files. Wild Card file names may be used.

REP is similar to **FREP** but it displays the line number and the line when a match is found. Use **FREP** to find the files you want to work on then use **REP** to find where in the file to make the change then make the changes.

These handy little programs will pay for themselves in no time at all.

Price \$15.00

TRANSMUTE

for

Copying Between Different Formats

Did you ever need to move files between different computers - its enough to drive you up the wall with all the different disk formats. **TRANSMUTE** is the way to overcome this problem.

We have been formatting disks and PIPing data between different disk formats for a couple of years now with our own software. Not only can we move data but we can also run most programs on the reconfigured disk drive. This software works so well that we are now making it available.

At present it is available for **TELEVIDEO** and **S-100 SYSTEMS** computers. The software is machine dependent i.e. it will work only on a TeleVideo or with a VersiFloppy disk controller in a S-100 system. We will be adding other computers in the future.

A separate disk parameter definition table (PDP file) is used for each format so new formats can be added at any time.

Most of the soft sectored formats listed on our Order Blank, in the back of this catalog, are included.

The **TRANSMUTE** Single-Drive version - reconfigures drive B so files may be PIPed between Televideo and other formats..

The **TRANSMUTE** Multi-Drive version allows four drives to be reconfigured. With the Multi-Drive version it is possible copy a Kaypro disk to a Superbrain disk on using Televideo computer.

Each **TRANSMUTE** package includes the programs and all the **TRANSMUTE** formats we have available. An instruction manual is included. Additional formats will be available at a moderate charge as they are developed.

Single-Drive Transmute	\$ 50.00
Multi-Drive Transmute	75.00

PDIR

The PAGING Directory Listing Prog.

Yes it is another directory listing program, but its different because it pages.

Not only does it page but the program can also move from one drive to another and between different users during the same session. No need to execute the program again.

PDIR shows the file names in alphabetic order reading from top to bottom of each column.

The program also displays the **USER**, the size of each file and disk space remaining.

If you have more than 64 files the program stops for the next page. You can then toggle back and forth between the displayed pages with out calling up the program again.

Price \$15.00

FILE-BUSTER and PDIR Price \$55.00

SPREAD SHEET TEMPLATES

Enjoy the use of pre-built worksheets for your Spread Sheet program. Software Models has created a number of templates that takes the work out of getting the right answers in the proper format. Instead of spending days and weeks in designing your own templates - just follow the simple instructions - put in your numbers and get the right answers.

The **Construction Job Costing Estimating** package includes 18 Templates. Calculations are based on "National Construction Estimator".
Price \$59.95

The **Home Worksheets** is a collection of templates for handling personal finance Management
Price \$39.95

The **Real Estate Investment Comparisons** package makes analyzing income property easy. Price \$59.95

The **Financial Projections** package are based on actual SBA forms.
Price \$59.95

Specify your Spread Sheet Program when ordering.

- . SuperCalc Version 1.2 up
- . PeachCalc
- . Multiplan
- . VisiCalc (HP-125)

FILE - BUSTER

Directory and File Handling Utility

Break the CP/M command line blues with **FILE-BUSTER**. Just imagine how nice it would be to forget about **DIR**, **PIP**, **REN**, **ERA**, **TYPE** and control P or the bother of moving files from one user area to another.

First of all **FILE-BUSTER** displays the directory in alphabetic order with the size of each file. It also displays the drive letter, amount of free space, number of files on the disk and the space they use.

It can also display space available on other drives. That beats **DIR**.

You can switch to any drive and any user without reloading the program. Type '?' and a help menu comes up.

There is a file name pointer you can move around. Point it to a file name and enter 'V' and the file is displayed on the screen one page at a time. CTL V is like **TYPE**. A 'P' will send the file to the printer.

FORMS - 3 - Makes Filling in/out Forms Easy

FORMS-3 is a group of programs that takes the work out of filling in the same form over and over.

Forms are usually completed on a typewriter because each entry has to be placed in a specific location. This can drive you up the wall using a word processor so often a separate program is used for each form. **FORMS-3** will handle any form layout.

First a **GRID** program is used to write a grid on a sample form. The user can then determine the exactly where each data entry will be placed on the form. The line and column coordinates are used in building the print position table.

The **TABLE** program is used to build a table that contains the print positions and entry information for each item. The user enters the line number and column number as well as the field name for each data entry item together with editing codes. The program checks to insure that line and column numbers do not overlap and that the edit codes are valid.

Use 'R' and the program will ask what you want you want to **REName** the file to.

The Escape key is used to cancel commands when you change your mind.

A 'D' deletes a file but you get a second chance. Enter a 'C' and you can copy a file to another disk and **USER** area and even rename the file on the way.

Now for the best part - Multiple Move or Delete. Just enter a 'T', for tag, beside each file name to be moved or deleted. Hit the 'Q' for Quick delete. You still get a second chance.

Press the 'M' key for move. The program asks which drive and User area. There is an overwrite existing file option. A count and space tagged is displayed as you go.

The manual that comes with **FILE-BUSTER** explains each command in detail and also how to install the program.

Price \$49.95

The table may be listed on the screen or printed. Data may be changed and lines may be inserted and deleted.

The **Entry/Print** program uses the control table to prompt the user for each data entry field. After all the data has been entered the user may print the form, write the data to a file or modify the data.

FORMS-3 includes the following features:

- . User may return to a previous field for changes.
- . Can stop printing to reposition form for non-standard line spacing.
- . Edits to insure correct data entry which include numeric, alphabetic, date, phone and dollar.
- . Constants may be used.
- . Printing may be justified - Left, Centered and Right.
- . Lower to Upper case Option.
- . Required entry option.
- . Data from a separate data file may be included.
- . 20 page manual included.
- . COM files with **MBASIC** source.

Price \$40.00

CP/M and SIG/M Users Group Programs

Elliam Associates maintains a large selection of CP/M Public Domain disks. Currently we have disks from:
SIG/M, Box 97, Iselin, NJ 08830
The CP/M Users Group, 1651 Third Avenue, New York, NY 10028
C Users Group, Box 97, 415 East Euclid, McPherson, KS 66783.
Pascal/Z Users Group, 7962 Center Parkway, Sacramento, CA 95823

PUBLIC DOMAIN SOFTWARE CATALOG

There are from over 375 C CP/M, SIG/M and Pascal/Z volumes (disks) containing over 7000 programs and files. Each disk contains a catalog of the disk contents showing the program name, file size and brief description of the program or file. They are all listed in our 80 page catalog.

Price \$7.50 Prepaid

Public Domain Software

Elliam Associates currently has over 350 CP/MUG, SIG/M, Pascal/Z and C/UG volumes on 8" single sided single density disks. These disks are available at \$10.00 each for 8" and 5-1/4" disks with a capacity over 250K.

If your disk capacity is greater than 125K and less than 249K then we use a floppy, two sides, \$12.00. If your disk capacity is less than 125K, then three sides are \$18.00.

Selected Programs Disks

Elliam will build a disk of customer selected programs from the Public Domain Users Group collection and include whatever documentation is available for \$10.00 per 100K plus \$4.00 per disk.

Just tell us the disk, program names and program numbers you want. Leave at least 10% of disk blank for catalogs and abstracts.

CP/M and SIG/M Catalog Disks

Each CP/M and SIG/M Users Group disk contains a catalog of the disk contents. Each catalog record lists the program name, a brief description, the program size and an identification number.

These disks contain essentially the same information as printed in our Public Domain Catalog.
CP/MUG.CAT (173K) 8" - \$10.00
SIG/MUG.CAT (260K) 8" - \$12.00

Database of Users Group Programs

CP/MUG.DB & SIG/MUG.DB are databases containing references to CP/MUG and SIG/MUG programs. When used with SUPERFILE Database programs, it is easy to find the type programs you are looking for. Each reference contains the program name, size language and comments from the catalog and abstract.

SUPERFILE (see write up for more info) has the ability to search for keywords using 'AND', 'OR' and 'NOT' in the search command.

Results of the search may be displayed on the screen, listed to a printer or written to a disk file.
CP/MUG.DB (190K) 8" - \$25.00
SIG/MUG.DB (235K) 8" - \$25.00

Owners of earlier versions of CP/MUG.DB and SIG/MUG.DB may obtain an updated version for only \$10.00

Alphabetic File Name Listing

We have used our Master Catalog System to catalog all the file names from our Public Domain software disks. These file names are in alphabetic order and indicate which disk contains that file.

A program for searching and listing the File Name file is also included on each disk.

CP/MUG.ALP 8" - \$10.00
SIG/MUG.ALP 8" - \$10.00
PASCAL/Z.ALP 8" - \$10.00
C.ALP 8" - \$10.00

Popular Public Domain Programs

Word Processing
SECRETARY SIG/M 109
FNOTE (WS footnoting) SIG/M 196
ROFF4 (Text Processor) SIG/M 174
(update) SIG/M 195
Data Management
Dan's Info Management
System (DIMS) SIG/M 61
CBASIC Database SIG/M 163
Disk Utilities
DU (Disk Utility) SIG/M 176
DU-TUTOR (Tutorial) SIG/M 161
FINDBAD (Locks out bad spots on a disk) CP/M 68
Communications
CITADEL SIG/M 150
KERMIT SIG/M 232
MEX (3 Vols) SIG/M 218
MDM727 (3 Vols) SIG/M 168
MDM840 (CP/M86) SIG/M 216

CP/M 86 Public Domain Disks

The following volumes have software for the CP/M 86 computer.

Utility Programs SIG/M 145
Utility Programs SIG/M 146
Utility Programs SIG/M 147
Small C SIG/M 149
XLISP SIG/M 153
MODEM & Utilities SIG/M 157
YET ANOTHER MODEM SIG/M 158
Utility Programs SIG/M 172
MODEM (Source Code) SIG/M 175
ZCPR & Utilities SIG/M 197
Utility Programs SIG/M 206
Utility Programs SIG/M 210
MODEM840 SIG/M 216
MODEM840 & CPM 80
Emulator SIG/M 217
RESOURCE (Disassembler) SIG/M 223
Utility Programs SIG/M 229

MS-DOS PUBLIC DOMAIN PROGRAMS (including PC-DOS)

We have just obtained 100 SIG/M BLUE volumes and 21 CAPITAL PC volumes. As soon as we find out what we have we will develop Catalog and Alpha disks. The charge for MS-DOS Public Domain disks will be \$10 per disk for double sided disks and \$7.00 for single sided disks. They can also be provided on CP/M disks. Note: MS-DOS programs will not run on CP/M Computers.

PROGRAM COLLECTIONS

from
The BDS/C, CP/M, PASCAL/Z and SIG/M Users Group Libraries

There are over 7000 programs and files in the Public Domain Users Group libraries. Similar programs are scattered on many different disks. It may take a number of disks to get the collection of programs you want. With this in mind we have put together the following collection of programs:

Calculating 5-1/4" Disk Prices

Disk Size	8" and over 250K	125K to 249K	Less than 125K
Convert from 8"	\$100.00	\$120.00	\$180.00
for your disk capacity	30.00	38.00	56.00
	22.00	26.00	38.00
	12.00	14.00	20.00
	10.00	12.00	18.00

Assemblers and Disassemblers #1

Over 10 programs including a cross reference program for variables. (420K) 8" - \$22.00

Assemblers and Disassemblers #2

More of the same but from later Public Domain volumes. (230K) 8" - \$12.00

BIOS

Nine 1.4 & 2.x BIOS's and BIOS patches + move USER, Autoload etc. Over 70 programs included. (475K) 8" - \$22.00

BusinessMaster II

Complete CBASIC II business software package with updates on 5 volumes that contains:

- Documentation (200K on disk)
- Inventory / Fixed Asset Acctg
- Mailing List / Payroll
- Order Entry / Receivables
- Purchase Order / Payables
- General Ledger / Sample data

Over 170 files. (1025K) 8" - \$50.00

Communications Programs #3

January 1983 latest version of MODEM7 with a program for maintaining phone numbers. Also Bulletin board programs and help files. (375K) 8" - \$22.00

Communications Programs #4

MODEM7 with patches for some 30 different Computers. Three disk set. 8" - \$30.00

Communications Programs #5

Four disk set containing the basic programs to set-up and run a Bulletin Board. 8" - \$40.00

Copy and Dump programs

Over 15 programs to copy, dump and patch files directly on the disk. (375K) 8" - \$22.00

DISK UTILITY Programs

FINDBAD - locks out disk badspots, FMAP, DU disk utility, CRCHECK, COMPARE, Bit Map, COMBINE, change USER, Hard Disk Backup and more. (230K) 8" - \$12.00

Directory and Catalog Programs

Some 30 programs to display, sort and catalog the disk directory. (195K) 8" - \$12.00

Financial Package #1

The complete Osborne A/R, A/P, G/L, Payroll and Cost Acctg. programs. You'll need the Osborne manual. (560K) 8" - \$30.00

GAMES

Pkg #1M-Microsoft* 230K 8" - \$12.00
 Pkg #2M-Microsoft* 230K 8" - \$12.00
 Pkg #3M-Microsoft 240K 8" - \$12.00
 Pkg #1E (BASIC-E) 225K 8" - \$12.00
 Pkg #2E (BASIC-E) 205K 8" - \$12.00
 Adventure-350 Pt. 120K 8" - \$10.00
 Adventure-550 Pt. 193K 8" - \$10.00
 Startrek- 15 programs various sizes for MBasic*, Basic-E & Tiny Basic. (375K) 8" - \$22.00
 *May require some editing.

HELP PROGRAMS

Programs to use with your own instruction HELP files. Instruction files include:

CP/M 1.4 MBasic MACRO-80 BDS'C'
 CP/M 2.2 CBASIC ALGOL-M MAC
 ASM 1.4 CBASIC 2 PASCAL/MT
 ASM 2.2 Basic-E MicrosoftFortran (370K) 8" - \$22.00

I/O Routines

Printer drivers for Diablo and Qume plus misc I/O routines. 40 + Programs. (250K) 8" - \$22.00

Languages (8")

ALGOL, CASUAL & FOCAL 205K \$12.00
 BASIC-E + P/T 5K Basic 220K \$12.00
 BASIC-E with PLM source 355K \$22.00
 FELIX Graphic Animation 241K \$10.00
 FORTH-83 215K \$10.00
 Livermore Basic & ACTOR 230K \$12.00
 PASCAL (JRT) 175K \$10.00
 PILOT Programed Inquiry 310K \$22.00
 PISTOL 215K \$10.00
 SAM 224K \$10.00
 STAGE2 Macro Processor 230K \$10.00
 TBASIC & manual 400K \$20.00
 XLISP CP/M80 Object 210K \$10.00
 XLISP CM/M86 Oriented 230K \$10.00

MACRO LIB's

Over 35 macro lib's of various kinds. (225K) 8" - \$12.00

SUBMIT Programs

Submit from command line, Super Submit, Loop and IF, Batch operation programs. 8" - \$12.00

TouchTyping Tutor Programs

Two typewriter training programs plus a program to make your printer a typewriter. Prints the line on carriage return so there is no backspace problem as with using a Ctl-P. (124K) 8" - \$12.00

Z-80 and TTL Programs

Dump, Assemblers, Disassembler, BIOS, Operating System, Patches, Text Processor. Over 30 programs. (345K) 8" - \$22.00

DBASE PROGRAMS

Four disks containing a Property Management system with full accounting, Order Entry & Inventory, Banking System, Periodical Tracking, Mail & Phone List. 8" \$42.00

MATH Teaching Programs

Over 50 CBASIC & MBasic programs designed for Teaching arithmetic. (136K) 8" - \$12.00

WordStar Utilities

Programs for Indexing and making Footnotes as well as Character and Word Count programs. 8" - \$12.00

Matrix Printer Utilities

Programs to change parameters and graphic drivers for Epson, Okidata and C.Itoh printers. Can be modified for other printers. 8" - \$12.00

ZCPR3 a Z-80 CCP Replacement

A 12 volume set of software for enhancing your CP/M system written by Richard Conn. Includes upgrade notes and Utilities as well as documentation to tell you how to set up your system. 8" - \$110.00

NOTE: Do you have the software to run these programs?? Such as MBASIC, CBASIC, PASCAL, etc) - No returns on collection disks.

SUPERFILE for CP/M, MS-DOS and PC-DOS Computers

Information Retrieval System - It's What You Can Find That Counts !

Super Concept. . . **SUPERFILE**, from Scientific Marketing Associates, is a super new system that lets you search and retrieve your text information in seconds.

SUPERFILE's free format lets you cross index and retrieve anything you can type with your word processing program or text editor.

Super Practical. . . Businesses are using **SUPERFILE** for handling personnel records, client files, correspondence, and more. Lawyers are using **SUPERFILE** to cross index and retrieve parts of wills, contracts and other documents - to mix and match "stock" paragraphs to new forms. Doctors, Scientists, writers and students find **SUPERFILE** perfect for organizing and using their research information. Librarians use **SUPERFILE** like an electronic card index, and salesmen think **SUPERFILE** is great for organizing sales leads, proposals and product descriptions.

Super Capacity. . line, or hundreds of pages. **SUPERFILE** will access thousands of entries, on dozens of data disks, in each data base. Create as many data bases as you need. You'll never have too much information for **SUPERFILE** to handle.

Super Flexible. . entries with your present word processing program. **SUPERFILE** entries can be any format, and as many formats as you want. Identify each entry with up to 250 different key words of choice. Key words may be up to 64 characters long. Key words are automatically alphabetized into a display "dictionary" for quick reference prior to, and during a reference search. To search for and retrieve, one or a group of entries, simply combine key words with $\frac{1}{2}$ AND $\frac{1}{2}$, $\frac{1}{2}$ OR $\frac{1}{2}$, and $\frac{1}{2}$ NOT $\frac{1}{2}$ when prompted.

SUPERFILE has been improved. The new version now contains a rapid update facility that automatically recatalogs all your new entries without. This makes adding and deleting information in your data base much faster and easier.

With **SUPERFILE** you can save the search criteria for later use if you like. View the results on your screen, send it to a printer, or to another disk file for later use.

Super Easy to Learn. . . Learn **SUPERFILE** in minutes. The easy to follow manual "holds your hand" through each easy step of creating a data base, adding new data to an existing data base, displaying the key word dictionary and searching a data base. On-the-screen menus show where you are at all times so you will never get lost.

The **SUPERFILE** package includes a fully operational program, an example-filled Demonstration Data Base, and an easy to follow big manual that's loaded with practical uses.

SUPERFILE requires a Z-80 CPU, 48K and two or more disk drives, or a hard disk.

Sample SUPERFILE Entry

/-- Marks the beginning of your entry

*C

Elliam Associates
24000 Bessemer Street
Woodland Hills, CA 91367
(818) 348-4278

Thats how easy
it is.

SUPERFILE gives you instant access to any combination of your entire text data files. Create as many separate data bases as you need - clients, customers personnel information, contracts, reports, journal abstracts, product descriptions, receipts, record collections, anything you choose - you name it. You will be amazed at how powerful, easy to learn, and easy to use **SUPERFILE** is. Order today. While you are at it, order some of the other useful software you see in our catalog.

*K SUPERFILE / SOFTWARE / ORDER / TODAY *E

↑

--- Marks the beginning of key words

Marks the end of your entry ----

↑

as well as a number of examples and illustrations of how to use **SUPERFILE** in your application. Its one of the few programs that really live up to the advertising. We are happy to handle a program of this quality and recommend it highly.

We include both the CP/M.DB and SIG/M.DB databases that reference over 325 volumes, and 7000 programs, a \$50.00 value, with each **SUPER FILE** at our low price:
\$175.00

Manual (Applies to Purchase) \$50.00

Elliam's two cent's worth

We use **SUPERFILE** to build and maintain our CP/M and SIG/M data bases as well as our own Computer Magazine data base. It is easy to use. In fact, all the instructions needed could fit one one page. The big manual contains step by step instructions

CP/M 80
CP/M 86
MS DOS
PC DOS

COMPANY

PRODUCT NAME, Description Price

ADVENTURE INTERNATIONAL		
* MAXI ACCOUNTANT (AP, GL, PR, IC & AR)	715.50	
* MAXI CRAS Check Register Accounting Sys.	90.00	
ADVANCED MICRO TECHNIQUES		
* Dpatch	163.50	
* MICRO LIB (Disk File Librarian)	243.50	
AID SYSTEMS		
* TYPEQUICK	78.00	
ALPHA SOFTWARE CORPORATION		
* DATABASE MANAGER II V 2.0.	251.00	
* ESP STATISTICS	715.50	
* ELECTRIC DESK	296.00	
* KEYWORKS	82.00	
AMERICAN TRAINING INTERNATIONAL INC		
* TEACH YOURSELF CP/M.	39.00	
* TEACH YOURSELF dBASE II.	70.00	
* TEACH YOURSELF dBASE III.	70.00	
* TEACH YOURSELF EASYFILER	70.00	
* TEACH YOURSELF EASYWRITER II	70.00	
* TEACH YOURSELF FRAMEWORK	70.00	
* TEACH YOURSELF LOUIS 1,2,3.	70.00	
* TEACH YOURSELF MBASIC.	39.00	
* TEACH YOURSELF MICROPLAN	70.00	
* TEACH YOURSELF MICROSOFT WORD.	70.00	
* TEACH YOURSELF MULTIPLAN	70.00	
* TEACH YOURSELF PC DOS.	39.00	
* TEACH YOURSELF SPELLBINDER	70.00	
* TEACH YOURSELF SUPERCALC	70.00	
* TEACH YOURSELF SUPERCALC III	70.00	
* TEACH YOURSELF MULTIMATE	70.00	
* TEACH YOURSELF PEACHTEXT	70.00	
* TEACH YOURSELF PEACHTREE ACTS RECIEVABLE	70.00	
* TEACH YOURSELF PEACHTREE LIST MANAGER.	70.00	
* TEACH YOURSELF PEACHTREE SALES INVOICING	70.00	
* TEACH YOURSELF PERFECT CALC.	70.00	
* TEACH YOURSELF PERFECT WRITER.	70.00	
* TEACH YOURSELF SYMPHONY.	70.00	
* TEACH YOURSELF TK SOLVER	70.00	
* TEACH YOURSELF VISICALC.	39.00	
* TEACH YOURSELF WORDSTAR.	70.00	
* INTRO TO BUSINESS SOFTWARE	39.00	
* INTRO TO WORD PROCESSING	39.00	
* ATI TYPING TUTOR	39.00	
ANDERSON-BELL COMPANY		
* ABSTAB	326.00	
* ABTAB.	336.00	
APPLIED SOFTWARE TECHNOLOGY		
* CASH RECIEPTS JOURNAL.	39.00	
* EXPENSE JOURNAL/DISTRIBUTION.	39.00	
* JOB COSTING.	74.00	
* LEGAL OFFICE MANAGER	214.25	
* VERSA FORM V 2.7	65.25	
* VERSAFORM XL	89.25	
ARTIFICIAL INTELLIGENCE		
* DENTAL (Standard system)	1075.50	
* DENTAL DEMO.	87.50	
* MEDICAL(Standard system)	1075.50	
* MEDICAL DEMO	87.50	
* PAS 3 PLUS DENTAL.	2245.50	
* PAS-3 PLUS MEDICAL	2245.50	
* PAS 3 SERIES 3 DENTAL.	2245.50	
* PAS 3 SERIES 3 MEDICAL	2245.50	
ASHTON-TATE		
* FRAMEWORK.	625.50	
* FRIDAY (An Electronic Filing System)	243.50	
* dBASE-II Rational Database Mgt. System	420.00	
* dBASE-III.	625.50	
ASK MICRO, INC. (Accounting Plus) (Hard Disk Requirement)		
* ACCOUNTS PAYABLE (CB-80)	485.00	
* ACCOUNTS RECEIVABLE (CB-80)	485.00	
* GENERAL LEDGER (CB-80)	485.00	
* GENERAL LEDGER (CBasic)	485.00	
* INVENTORY (CB-80)	485.00	
* PAYROLL (CB-80 86)	485.00	
* POINT OF SALE (CB-80)	485.00	
* PURCHASE ORDER ENTRY (CB-80)	485.00	
* PURCHASE ORDER ENTRY (CBasic)	485.00	
* SALES ORDER ENTRY (CB-80)	485.00	
* SALES ORDER ENTRY (CBasic)	485.00	
* GENERAL LEDGER	502.50	
* POINT OF SALE	502.50	
* PURCHASE ORDER ENTRY	502.50	
BLUECHIP SOFTWARE		
* Baron (Real Estate Game)	58.00	
* Millionaire (Stock Market Game)	58.00	
* Squire (Financial Planning Game)	64.00	
* Tycoon (Commodity Market Game)	58.00	
BORLAND INTERNATIONAL		
* WORD INDEX	168.50	
* SIDEKICK (Unprotected)	78.00	
* SUPERKEY (Unprotected)	66.00	
* TURBO PASCAL V 3.0	66.00	
* TURBO PASCAL V 3.0 w/Binary Coded Decmal	100.50	
* TURBO PASCAL V 3.0 8087 SUPPORT.	100.50	
* TURBO TOOLBOX.	54.00	
* TURBO TUTOR.	34.95	
* TURBO GRAPHIX TOOLBOX.	54.00	
BPI SYSTEMS, INC. (Supports the IBM XT)		
* ACCOUNTS PAYABLE	516.00	
* ACCOUNTS RECEIVABLE.	516.00	
* BPI INFORMATION MANAGEMENT SYSTEM.	370.00	
* BPI PERSONAL ACCOUNTING.	89.00	
* CHURCH MANAGEMENT.	715.50	
* GENERAL ACCOUNTING	516.00	
* JOB COST	715.50	
* INVENTORY CONTROL.	715.50	
* PAYROLL.	516.00	

PHONE (818) 348-4278
ELLIAM ASSOCIATES
24000 Bessemer St. • Woodland Hills, CA 91367

CP/M 80
CP/M 86
MS DOS
PC DOS

COMPANY

PRODUCT NAME, Description Price

BRODERBUND SOFTWARE		
* BANKSTREET WRITER.	74.00	
* ANCIENT ART OF WAR	43.00	
* LODGE RUNNER.	34.95	
* SERPENTINE	34.95	
BUSINESS SOFTWARE, PYT. LTD.		
* PLANFN (Requires MBASIC)	168.50	
* PROFN (Requires MBASIC)	251.00	
BPS (BUSINESS & PROFESSIONAL SOFTWARE)		
* BPS BUSINESS GRAPHICS (128K)	300.00	
* OVERHEAD EXPRESS	168.50	
BUSINESS SOFTWARE, PTY, LTD.		
* PLANFIN (MBasic)	168.50	
* PROFIN (MBasic)	247.00	
BYROM SOFTWARE		
* BSTAM Micro to Micro Communications	175.00	
* BSTAM-86 Micro to Micro Communications	175.00	
* BSTMS Micro to Mainframe Communications	175.00	
CAXTON		
* CARDBOX Card File Program	208.50	
CBS SOFTWARE		
* LEARNING BRIDGE.	74.00	
* MASTERING THE G.R.E.	132.50	
* MASTERING THE S.A.T.	90.00	
* MATCH WITS	29.95	
* MURDER BY THE DOZEN.	34.95	
CDEX CORPORATION		
* CDEX TRAINING FOR SUPERCALC.	66.00	
* CDEX TRAINING FOR BPI GENERAL ACTG PROG.	66.00	
* CDEX TRAINING FOR dBASE II	66.00	
* MAKING KEY BUSINESS DECISIONS w/LOTUS.	66.00	
CDI INFORMATION SYSTEMS		
* CDI/100 (Database management system)	516.00	
CHANG LABS		
* CONSOLIDATION MODULE	245.00	
* DOCUPLAN	245.00	
* FILEPLAN	245.00	
* GRAPHPLAN.	245.00	
* LEDGER	112.50	
* LINK MODULE.	251.00	
* MEMOPLAN	165.00	
* MICROPLAN BASIC PACKAGE.	421.00	
* Rags to Riches PAYABLES.	89.00	
* Rags to Riches LEDGER.	88.50	
* Rags to Riches RECIEVABLES	89.00	
* Rags to Riches SALES	89.00	
CHAMPION SOFTWARE		
* ACCOUNTS PAYABLE	402.50	
* ACCOUNTS PAYABLE	487.50	
* ACCOUNTS RECEIVABLE.	402.50	
* ACCOUNTS RECEIVABLE.	487.50	
* GENERAL LEDGER	402.50	
* GENERAL LEDGER	487.50	
* INVENTORY.	402.50	
* INVENTORY.	487.50	
* PAYROLL.	402.50	
* PAYROLL.	487.50	
* THE CHAMPION (Includes GL,AP,AR,INV &PR)	2103.75	
* THE CHAMPION (Includes GL,AP,AR,INV &PR)	2528.75	
* REBOS (Real Estate Brokage Office Sys)	2250.25	
COMPUTING		
* CP POWER	147.00	
CONDOR COMPUTER CORPORATION		
* CONDOR JR.	162.50	
* CONDOR I DB Mgt Sys (Entry Level)	251.00	
* CONDOR III Rational Database Sys)	526.50	
* DEMO for CONDOR II	122.50	
CONTINENTAL SOFTWARE		
* HOME ACCOUNTANT PLUS (CP/M)	92.00	
CONSUMERS SOFTWARE, INC.		
* THE SPREADSHEET AUDITOR.	89.25	
COMPREHENSIVE SOFTWARE		
* INTRODUCTION TO COMMUNICATIONS	58.00	
* INTRODUCTION TO PERSONAL COMPUTING	58.00	
* INTRODUCTION TO THE OPERATING SYSTEM	58.00	
CP AIDS		
* STANDARD TAX 1040 Tax Prep System.	516.00	
CREATIVE COMPUTING		
* THE ULTIMATE	118.50	
CREATIVE SOFTWARE		
* CREATIVE CALC.	58.00	
* CREATIVE FILER	90.00	
* CREATIVE WRITER.	74.00	
DATAMOST		
* WRITE ON (Word Processor)	115.25	
DAVIDSON & ASSOCIATES		
* CLASSMATE Classroom Management System.	47.00	
* MATH BLASTER	47.00	
* SPEED READER II.	66.00	
* SPELL IT!.	47.00	
* WORD ATTACK.	47.00	
DAYFLO, INC.		
* DAYFLO (Database w/Word Proc-Hard Disk)	426.00	
* REPORTFLO /Report Generator-Use w/DAYFLO	168.50	
DIGITAL MARKETING (Organic Software)		
* DATEBOOK Appointment Scheduler	132.50	
* GRAMMATIK.	70.00	
* HYPERTYPER	30.00	
* INDEX.	88.50	

CP/M 80 CP/M 86 MS DS PC DOS	COMPANY	PRODUCT NAME, Description	Price
*		MICROLINK II	88.50
*		MILESTONE Critical Path Analysis	212.50
*		NOTEBOOK II	161.50
*		PLAN 80	246.00
*		PROOF-READER	50.00
*		SPECIALIST(MULTIPLE)	1525.50
*		SPECIALIST(SINGLE)	1075.50
*		WRITERS PAK	212.50
*		DIGITAL RESEARCH	
*		ACCESS MANAGER B-TREE access file handlr	260.00
*		ACCESS MANAGER-86	350.00
*		ACCESS MANAGER	350.00
*		ACCESS 10	422.50
*		C Compiler (Language)	297.50
*		CB-80 True Compiler for CBASIC 2	430.00
*		CBASIC COMPILER (CB-86)	530.00
*		CBASIC-2 Compiler BASIC	132.50
*		CBASIC-86	280.00
*		CIS COLBOL	765.00
*		CONCURRENT PC DOS (Multitasking op sys)	251.00
*		CP/M 86 (1.1)	215.00
*		CP/M PLUS	300.00
*		DISPLAY MANAGER Full Screen Mangr/Editor	350.00
*		DISPLAY MANAGER-86	435.00
*		DISPLAY MANAGER	440.00
*		DR Assembler Plus Tools	175.00
*		DR DRAW	251.00
*		FORMS 2	175.00
*		DR GRAPH	246.00
*		FORTAN 77 LANGUAGE	300.00
*		GSX 80	70.00
*		LEVEL II ANIMATOR	715.00
*		LEVEL II COBOL	1440.00
*		MICRO/SPF	390.00
*		PASCAL MT Compiler, Lnk, Dbugr, D'Asm, Run	300.00
*		PASCAL MT+ 86	350.00
*		PERSONAL BASIC (PBasic)	132.50
*		PL/1-80 PL/1 Language	480.00
*		PL/1-86	670.00
*		SPP Speed Programming Package	175.00
*		SSP-86 Speed Programming Package	215.00
*		D.J.R. ASSOCIATES	
*		FMS-80 File Management System (48K)	317.50
*		FMS-82	109.50
*		DOW JONES SOFTWARE	
*		Investment Analyzer	131.75
*		Market Analyzer	299.25
*		Market Manager Plus	214.25
*		Prospect Organizer	336.00
*		Sales Organizer	336.00
*		Market Microscope	299.25
*		Spreadsheet Link	214.25
*		EAGLE SOFTWARE PUBLISHING	
*		MONEY DECISIONS	222.25
*		PORTFOLIO DECISIONS	201.75
*		TAX DECISIONS	238.25
*		EVERGREEN SOFTWARE	
*		ONE-WRITE PLUS (Accounting for Small Bus	251.00
*		FAIRCOM	
*		MICRO B+ Keyed file accessing CBASIC 2	229.50
*		MICRO B+ Keyed file accessing MBASIC	229.50
*		FINANCIAL PLANNING ASSOCIATION	
*		MINI MODEL Use with CBasic 2	426.00
*		MINI MODEL DEMO with Manual	50.00
*		FOX AND GILLER ASSOC, INC.	
*		GRAFOX Stand alone Business Graphic Pkg.	251.00
*		OZ Integrated Management System (XT)	427.00
*		QUICKCODE Prog Gen w/Screen dBASE II	243.75
*		QUICKCODE Prog Gen w/Screen dBASE III	251.00
*		QUICKSCREEN Scrn Bldr, Prog Gen CBASIC 2	131.50
*		QUICKSCREEN Scrn Bldr, Prog Gen MBASIC	131.50
*		QUICKSCREEN Scrn Bldr, Prog Gen dBASE II	131.50
*		QUICKSCREEN Scrn Bldr, Prog Gen FMS 80	131.50
*		R:GRAPH (Color Graphics for R:BASE 4000)	243.75
*		d-UTIL (dBASE II Utility)	89.00
*		d-UTIL III (dBASE III Utility)	86.75
*		dGRAPH (dBASE II Graphics System)	243.75
*		dGRAPH (dBASE III Graphics System)	251.00
*		FUNK SOFTWARE	
*		SIDEWAYS (Print Utility)	58.00
*		GRAPHIC COMMUNICATIONS, INC.	
*		GRAPHWRITER BASIC SET	336.00
*		GRAPHWRITER COMBINATION SET(Basic & Ext)	516.00
*		GRAPHWRITER EXTENSION SET	336.00
*		HARVARD ASSOCIATES	
*		PC LOGO	132.50
*		HARVARD SOFTWARE, INC.	
*		The Harvard Project Manager	336.00
*		The Harvard Total Project Manager	426.00
*		HAYDEN SOFTWARE COMPANY	
*		CALENDAR	47.00
*		CORRESPONDING SECRETARY-Writer, Spell, Lst	90.00
*		EXECUTIVE AID (Inc Writer & Planner)	90.00
*		EXECUTIVE ASSISTANT-Writer, Planner & Clnr	90.00
*		EXECUTIVE TOOL KIT-Writer, Spell & Planner	119.00
*		LIST MANAGER	47.00
*		MEMBERSHIP MANAGER-Writer, ListMgr, Clnr	90.00
*		PIE WRITER	172.50
*		PLANNER	66.00
*		SARGON III	47.00
*		THE SPELLER	39.00
*		THE WRITER	39.00
*		WORD CHALLENGE	39.00
*		WRITING TOOL KIT-Writer & Speller	63.75

ELLIAM ASSOCIATES
 24000 Bessemer St. • Woodland Hills, CA 91367
 PHONE (818) 348-4278

CP/M 80 CP/M 86 MS DS PC DOS	COMPANY	PRODUCT NAME, Description	Price
*		HUMAN EDGE SOFTWARE CORP.	
*		THE COMMUNICATIONS EDGE	168.50
*		THE EXPERT EASE	595.50
*		THE MANAGEMENT EDGE	215.00
*		THE MIND PROBER	47.00
*		THE NEGOTIATION EDGE	251.00
*		THE SALES EDGE	215.00
*		INTERNATIONAL MOCROCOMPUTER SOFTWARE	
*		4 POINT GRAPHICS	168.50
*		BIZI-BASE Time Client Management	235.00
*		CHECK BASE Personal Ck Register & GL	46.25
*		DATA SAFE Safeguards Files	120.50
*		INVESTMENT MANAGER Portfiolo & Analy	168.50
*		INTELLECT ASSOCIATES	
*		PC TEXT	91.50
*		WINDOW	132.50
*		INFOCOM	
*		CUTTHROATS	39.00
*		DEADLINE	47.00
*		ENCHANTER	39.00
*		HITCHHIKERS GUIDE TO THE GALAXY	29.95
*		INFIDEL	43.00
*		PLANETFALL	39.00
*		SEASTALKER	39.00
*		SORCERER	43.00
*		STARCROSS	47.00
*		SUSPECT	43.00
*		SUSPENDE	47.00
*		WITNESS	39.00
*		ZORK I	39.00
*		ZORK II	43.00
*		ZORK III	43.00
*		INSOFT	
*		MYSTRIX	34.95
*		QUOTRIX	34.95
*		WORDTRIX	34.95
*		ITHACA INTERSYSTEMS	
*		PASCAL BZ Business oriented vers. (64K)	412.50
*		PASCAL Z Language	412.50
*		PASCAL Z and BZ (special order)	540.00
*		JONES FUTUREX, INC.	
*		THE ENCRYPTOR	350.00
*		THE ENCRYPTOR	260.00
*		LEADING EDGE PRODUCTS	
*		NUTSHELL Information Mgr (DBMS)	132.50
*		WORD PROCESSOR w/o merge print	92.50
*		WORD PROCESSOR w/ merge print	132.50
*		WORD PROCESSOR w/ merge print & spell c	215.00
*		LEXISOFT INC.	
*		SPELLBINDER SCIENTIFIC	696.50
*		SPELLBINDER Word Proc, Office Mgt Sys	400.00
*		LIFETREE SOFTWARE INC.	
*		VOLKSWRITER DELUXE	251.00
*		VOLKSWRITER EXECUTIVE	168.50
*		VOLKSWRITER SCIENTIFIC	426.00
*		LINK SYSTEMS	
*		DATAFAX	254.25
*		LIVING VIDEOTEK INC.	
*		THINKTANK The first Idea Processor	168.50
*		LOTUS DEVELOPMENT CORP.	
*		LOTUS 1,2,3	426.00
*		SYMPHONY Inc WP,DBMS,Comm,SprrSht,Grp	625.50
*		UPGRADE LOTUS 1,2,3 to SYMPHONY	175.00
*		MAINSTREET SOFTWARE	
*		MAINSTREET FILER Database Mgt w/Rpr Wrtr	142.25
*		MARK OF THE UNICORN	
*		FINAL WORD Word Processor	260.00
*		MINCE Text Editor	152.50
*		MECE (MICRO EDUCATIONAL CORP OF AMERICA)	
*		RUNNING PROGRAM by James Fixx	74.00
*		MANAGING YOUR MONEY by Andrew Tobias	172.50
*		METASOFT	
*		BENCHMARK Maillist	215.00
*		BENCHMARK Word Processor	336.00
*		BENCHMARK EXECUTIVE 1 w/WP, Dtabse, Spell	426.00
*		BENCHMARK EXECUTIVE 2 w/Fin Plan & Graph	338.00
*		BENCHMARK EXECUTIVE 3 Includes 1 & 2	715.50
*		MICRO BUSINESS APPLICATIONS	
*		ACCOUNTS PAYABLE w/ Check Writing	511.00
*		ACCOUNTS RECEIVABLE with Invoicing	511.00
*		FIXED ASSET ACCOUNTING	332.50
*		GENERAL LEDGER w/ Financial ReportWriter	511.00
*		GENERAL LEDGER with SUPERCALC INTERFACE	92.50
*		INVENTORY with Invoicing	511.00
*		JOB COST	516.00
*		MULTI-COMPANY OPTION/Multi Data/Hard Dsk	215.00
*		PAYROLL w/Check Writing (Multi-State)	511.00
*		PROFESSIONAL TIME ACCOUNTING	421.00
*		PURCHASE ORDER/REQUISITION for INVENTORY	332.50
*		Phd. - Integrated Data Management	422.00
*		SALES ORDER ENTRY w/Commission	511.00
*		dBASE II INTERFACE/ACCOUNTS PAYABLE	92.50
*		dBASE II INTERFACE/ACCOUNTS RECEIVABLE	92.50
*		dBASE II INTERFACE/GENERAL LEDGER	92.50
*		dBASE II INTERFACE/INVENTORY	92.50
*		dBASE II INTERFACE/PAYROLL	92.50
*		MICROCOMP CIVIL ENGRG SOFTWARE	
*		COORDINATE GEOMETRY (MICRO COGO)	440.00
*		MICRO COGO DEMO	50.00
*		OPEN CHANNEL HYDRAULICS	175.00
*		PIPE NETWORK ANALYSIS	540.00
*		PIPE NETWORK ANALYSIS DEMO	50.00

CP/M 80
CP/M 86
MS DOS
PC DOS

COMPANY

PRODUCT NAME, Description Price

MICRO DATA BASE SYSTEMS, INC.		
*	KNOWLWDEMAN (DBMS)	440.00
*	KPAINT	92.50
*	KREPORT	195.00
*	KTEXT	152.50
MICRO FOCUS		
*	CIS COBOL (ANSI X3.23)	765.00
*	CIS COBOL 8086	765.00
*	FORMS 2 (Cobol source code generator)	175.00
MICROPRO		
*	CALSTAR Electronic Spread Sheet	84.25
*	CHARTSTAR Business Presentaton Graphics	251.00
*	CORRECTSTAR	128.50
*	DASTAR Data Entry, Retrval. & Update	251.00
*	INFOSTAR + STARBURST	516.00
*	INFOSTAR Data base Management System	215.00
*	MAIL LIST MGT SYSTEM (works w/INFOSTAR)	90.00
*	MAILMERGE Mail List Pkg. for WordStar	89.25
*	PLANSTAR	336.00
*	PROFESSIONAL OPTIONS MMerge,Spell,Index	168.50
*	REPORTSTAR	292.50
*	SALES PROSPECT TRACKING (INFOSTAR reqd)	89.50
*	SPELLSTAR Spelling Checker/Dictionary	89.25
*	STARBURST	89.25
*	STARINDEX W/S option to Create Indexes	89.25
*	SUPERSORT I Sort/Merge Program	208.75
*	SUPERSORT II Sort/Merge Program	175.25
*	TELMERGE Telecommunications for W/S	125.00
*	WORDMASTER Full Screen Editor	127.00
*	WORDSTAR Super Word Processor	291.25
*	WORDSTAR Word Processor w/WS tutor	389.00
*	WORDSTAR TUTOR	74.00
*	WS PROFESSIONAL (WS,MMerge,Spell,Index)	414.00
*	WORDSTAR 2000	426.00
*	WORDSTAR 2000 PLUS	516.00
MICRORIM, INC.		
*	EXTENDED REPORT WRITER	132.50
*	PROGRAM INTERFACE	336.00
*	R-BASE CLOUT (Artificial Intelligence)	249.00
*	R-BASE SERIES 400 (req 256K)	426.00
*	microRIM	390.00
MICROSOFT		
*	BASIC MBASIC Language	300.00
*	BASIC Compiler for MBASIC	336.00
*	BUSINESS BASIC	390.00
*	C COMPILER	440.00
*	CHART Graphics Package	215.00
*	COBOL Cobol Language	630.00
*	EDIT Line Text Editor	108.50
*	FORTRAN-80 Fortran Language	440.00
*	MACRO-80 Macro Assembler	175.00
*	MICROSOFT PROJECT - Project Sched Prog	215.00
*	MULTIPLAN	168.50
*	SORT FACILITY	168.50
*	WORD Word Processor	320.00
*	muLISP/muSTAR (Language)	175.00
*	muLISP/muSTAR (Language)	215.00
*	muMATH/muSIMP (Symbolic Math Package)	215.00
*	muMATH/muSIMP (Symbolic Math Package)	260.00
*	FLIGHT SIMULATOR (req IBM Color)	29.97
MICROSTUF		
*	CROSSTALK Complete Data Comm System	168.50
*	INFOSCOPE Unique Data Management Sys	240.00
*	REMOTE Runs PC DOS from Remote Site	168.50
*	TRANSPORTER Unattended Comm w/CROSSTALK	251.00
MONOGRAM		
*	DOLLARS AND SENSE with FORCAST	156.50
MOSAIC SOFTWARE INC.		
*	INTEGRATED 7 W/P,DBM,Graphics,Comm	625.50
MULTIMATE INTERNATIONAL		
*	MULTIMATE Word Processor	426.00
HUSE SOFTWARE, INC.		
*	SUPERTEXT	152.50
NATIONAL MICROWARE		
*	PERSONAL PLANNER	89.25
*	SALES PLANNER	251.00
NORTHWEST ANALYTICAL		
*	STATPAK (includes Demo) MBASIC Req.	426.00
OASIS		
*	PUNCTUATION & STYLE	112.50
*	THE WORD PLUS Spelling checker	130.00
OPEN SYSTEMS		
*	ACCOUNTS PAYABLE	608.00
*	ACCOUNTS RECEIVABLE	608.00
*	BUSINESS BASIC INTERPRETER	185.00
*	FIXED ASSETS	608.25
*	GENERAL LEDGER	608.00
*	HUMAN RESOURCES MANAGEMENT	608.25
*	INVENTORY	608.00
*	JOB COST	608.00
*	MATERIALS MANAGEMENT	608.00
*	PAYROLL	608.00
*	PURCHASE ORDER	608.00
*	REPORT WRITER	608.00
*	RESOURCE MANAGER (Replaces BASIC Interp	185.00
*	SALES ORDER	608.00
OPTIONWARE INCORPORATED. (Req Lotus,2,3)		
*	OPTIONWARE MANUAL	39.00
(Required to run OptionWare Progs)		
*	ASSET MANAGEMENT OPTIONWARE	
*	Accounts Receivable Performance	90.00
*	Asset Management History	90.00
*	Asset Management Performance	90.00
*	Fixed Assets History	90.00
*	Inventory Performance	90.00
CASH MANAGEMENT OPTIONWARE		
*	Bank Reconciliation	90.00

PHONE (818) 348-4278
24000 Bessemer St. • Woodland Hills, CA 91367
ELLIAM ASSOCIATES

CP/M 80
CP/M 86
MS DOS
PC DOS

COMPANY

PRODUCT NAME, Description Price

*	Capital Expenditure Analysis	90.00
*	Cash Flow Projections	90.00
*	Petty Cash Manager	90.00
FINANCIAL STATISTICS OPTIONWARE		
*	Balance Sheet History	90.00
*	Balance Sheet Performance	90.00
*	Balance Sheet Projections Qtr & 5yr	90.00
*	Financial History	90.00
*	Financial Performance	90.00
*	Income Statement History	90.00
*	Income Statement Performance	90.00
*	Income Stmt Projections Qtr & 5yr	90.00
ORGANIZATION & BUDGET OPTIONWARE		
*	Breakdown of SG&A Expenses	90.00
*	Consolidated Manpower & Expense History	90.00
*	Consolidated Manpower & Expenses	90.00
*	Department Budget Projections	90.00
*	Department Budgets	90.00
*	Department Budgets History	90.00
PERSONAL ORGANIZATION OPTIONWARE		
*	Bank Account Reconciliations	90.00
*	Credit Card Report	90.00
*	Monthly Calendar	90.00
*	Personal Mailing List	90.00
*	Reservations & Appointments	90.00
PERSONNEL OPTIONWARE		
*	Employee Business Expense	90.00
*	Employee Directory	90.00
*	Employee Time Analysis	90.00
*	Employee Time Reporting	90.00
PRIVATE & FINANCIAL OPTIONWARE		
*	Activity Reports	90.00
*	Asset Records for Insurance	90.00
*	Calendar Schedule	90.00
*	Investment Management	90.00
*	Personal Budgeting	90.00
*	Personal Income Tax (form 1040)	90.00
*	Phone Messages	90.00
PRESENTATION TOOLS OPTIONWARE		
*	Graph Maker	90.00
SALES & MARKETING OPTIONWARE		
*	Competitive Sales History	90.00
*	Competitive Sales Performance	90.00
*	Competitive Sales Projection	90.00
*	Price List	90.00
*	Projected Sales by Region Qtr & 5yr	90.00
*	Regional Sales History	90.00
*	Regional Sales Performance	90.00
*	Sales & Market History	90.00
*	Sales & Market Performance	90.00
*	Sales District History against Quota	90.00
*	Sales Performance against Quota	90.00
SALES TOOLS OPTIONWARE		
*	Customer Mailing List	90.00
*	Sales Call Reports	90.00
*	Sales Follow-up Reports	90.00
OWL SOFTWARE CORPORATION		
*	EXECUTIVE INFO SYSTEM TEXT + COMBO	131.75
PALANTIR SYSTEMS		
*	PALANTIR (Word Processor)	215.00
*	SPELLER	128.50
POWER BASE SYSTEMS, INC.		
*	POWER-BASE	505.75
PC SOFTWARE		
*	CREATABASE	68.00
PEARLSOFT		
*	PEARL Level 3 (Advanced prog generator)	426.00
*	PERSONAL PEARL	251.00
*	INTEGRATED ACCOUNTING	895.50
PRENTICE HALL, INC.		
*	VCN EXECUVISION 2.0	336.00
*	VCN1:THE BORDER COLLECTION	74.00
*	VCN2:INITIALS & DECORATIVE DESIGN	74.00
*	VCN3:INDUSTRY & BUSINESS CATALOG	82.00
*	VCN4:PROFESSIONS-FACES & FIGURES	82.00
*	VCN5:INT'L SYMBOLS & LANDMARKS	74.00
*	VCN6:MAPS & REGIONS COLLECTION	74.00
*	VCN7:HEALTH & FITNESS COLLECTION	82.00
*	VCN8:FINANCIAL SERVICES COLLECTION	82.00
*	VCN9:TRANSPORTATION COLLECTION	82.00
*	VCN10:COMPUTERS & COMPUTER APPLICATION C	82.00
PEACHTREE SOFTWARE		
*	ACCOUNTS PAYABLE	510.00
*	ACCOUNTS RECEIVABLE	510.00
*	BACK TO BASICS ACCOUNTING SYSTEM	165.00
*	BACK TO BASICS ACCOUNTING SYSTEM	336.00
*	BUSINESS GRAPHICS SYSTEM	242.50
*	CALENDAR MANAGER	168.50
*	DECISION MANAGER	557.50
*	FIXED ASSETS	515.00
*	GENERAL LEDGER	510.00
*	HOME SOFTWARE LIBRARY	336.00
*	INVENTORY MANAGEMENT	510.00
*	JOB COST	510.00
*	PAYROLL	510.00
*	PEACHPAK 4	336.00
*	PEACHPLAN	247.00
*	PEACHTEXT w/Random House Thesaurus	215.00
*	PEACHTEXT 5000	370.00
*	SALES INVOICING	510.00
PROFESSIONAL SOFTWARE, INC.		
*	WORDPLUS	426.00
QUARTERDECK OFFICE SYSTEMS		
*	DESQ (Integrator)	339.25
QUANTECKNA RESEARCH		
*	THE QUAD 2.0	625.50
REALWORLD CORPORATION (MBSI)		
*	ACCOUNTS PAYABLE	575.50
*	ACCOUNTS RECEIVABLE	575.50
*	GENERAL LEDGER	590.50

CP/M 80 CP/M 86 MS DOS PC DOS	COMPANY	PRODUCT NAME, Description	Price
*	*	ORDER ENTRY / INVENTORY CONTROL	575.50
*	*	PAYROLL	590.50
*	*	SALES ANALYSIS	288.50
*	*	ROSESOFT	
*	*	PROKEY 3.0	116.50
*	*	RYAN-MCFARLAND CORPORATION	
*	*	+RM/COBOL CP/M 2.2, MP/M II Full Dev Sys	667.50
*	*	+RM/COBOL CP/M 2.2, MP/M runtime	215.00
*	*	+RM/COBOL CP/M-86, MP/M-6 Full Dev Sys	845.00
*	*	+RM/COBOL CP/M-86, MP/M-6 Runtime	215.00
*	*	RM/COBOL FULL DEVELOPMENT SYSTEM	855.00
*	*	RM/COBOL RUNTIME	215.00
*	*	SAMS, HOWARD W. & COMPANY, INC.	
*	*	ASSEMBLY LANGUAGE PROGRAMMING	29.95
*	*	BASIC PROGRAMMING WITH IBM PCjr	24.95
*	*	BASIC TRICKS FOR THE IBM	24.95
*	*	FINANCIAL PLANNING 123 LOGO	74.00
*	*	GRAPHICS FOR YOUR IBM PC	29.95
*	*	SATELLITE SOFTWARE INTERNATIONAL	
*	*	P-EDIT (Full Screen Editor)	86.00
*	*	WORDPERFECT	426.00
*	*	WORDPERFECT SORTER	86.00
*	*	SAVANT SYSTEMS, INC.	
*	*	PV/IRR SOLUTION	195.00
*	*	SCIENTIFIC MARKETING	
*	*	MARKET FAX (Sales Management System)	413.50
*	*	SCARBOROUGH, INC.	
*	*	MASTERTYPE	39.00
*	*	NETWORK	90.00
*	*	PATTERN MAKER	39.00
*	*	RUN FOR THE MONEY	39.00
*	*	SONGWRITER	39.00
*	*	SELECT INFORMATION SYSTEMS	
*	*	SELECT WORD PROCESSING SYSTEM	251.00
*	*	SIMON & SCHUSTER, INC.	
*	*	TYPING TUTOR III W/LETTER INVADERS	47.00
*	*	JK LASSER'S YOUR INCOME TAX	74.00
*	*	SIERRA ON-LINE, INC.	
*	*	HOMEWORD	66.00
*	*	SIERRA ON-LINE, INC.	
*	*	HOMEWORD	66.00
*	*	HOMEWORD FILE	90.00
*	*	SOFTWARE ARTS	
*	*	SPOT LIGHT	132.50
*	*	TK SOLVER	339.25
*	*	TK SOLVER PACK (Building Design & Const)	92.50
*	*	TK SOLVER PACK (Financial Management)	92.50
*	*	TK SOLVER PACK (Introductory Science)	92.50
*	*	TK SOLVER PACK (Mechanical Engineering)	92.50
*	*	VISICALC PACKAGE	155.75
*	*	SOFTWARE RESEARCH TECHNOLOGY	
*	*	dFASTEST	82.00
*	*	SMARTKEY II	82.00
*	*	SMARTKEY PLUS	92.50
*	*	SMARTPRINT	50.00
*	*	SMARTUTILITIES	50.00
*	*	SORCIN	
*	*	ACCOUNTS PAYABLE	516.00
*	*	ACCOUNTS RECEIVABLE	516.00
*	*	EASYFILER Data Base Manager	350.00
*	*	EASYMAILER II	92.50
*	*	EASYPLANNER	215.00
*	*	EASYSALES PRO	426.00
*	*	EASYSPELLER II 88,700 WORDS	92.50
*	*	EASYSPELLER II LEGAL 125,000 WORDS	300.00
*	*	EASYSPELLER II - MEDICAL 125,000 WORDS	300.00
*	*	EASYSPELLER II BRITISH VERSION	300.00
*	*	EASYWRITER I SYSTEM	168.50
*	*	EASYWRITER II SYSTEM	336.00
*	*	EASYWRITER II SYSTEM W/LEGAL SPELLER	460.00
*	*	EASYWRITER II SYSTEM W/MED. SPELLER	460.00
*	*	GENERAL LEDGER & FINANCIAL REPORTER	516.00
*	*	INVENTORY CONTROL & SALES ANALYSIS	516.00
*	*	ORDER ENTRY	516.00
*	*	PAYROLL	670.50
*	*	SPELLGUARD Spelling Checker	47.00
*	*	SUPERCALC I Electronic Spread Sheet	163.50
*	*	SUPERCALC II Advanced Spread Sheet	242.25
*	*	SUPERCALC III Integrated Spread Sheet	336.00
*	*	SUPERWRITER Word Processor	242.00
*	*	SPINMAKER SOFTWARE CORPORATION	
*	*	ALPHABET ZOO	29.95
*	*	DELTA DRAWING	39.00
*	*	FACEMAKER	24.95
*	*	HEY DIDDLE DIDDLE	24.95
*	*	KINDERCOMP	24.95
*	*	RHYMES & RIDDLES	24.95
*	*	SNOOPER TROOPS I "GRANITE PT GHOST"	32.95
*	*	SNOOPER TROOPS II "DISAPPEAR DOLPHIN"	24.95
*	*	STORY MACHINE	24.95
*	*	THE MOST AMAZING THING	32.95
*	*	STONEWARE	
*	*	ADVANCED DB MASTER	381.50
*	*	STAR COMPUTER SYSTEMS	
*	*	ACCOUNTING PARTNER (GL, AR, AP, PR, Invoice)	336.00
*	*	ACCOUNTING PARTNER II	895.50
*	*	ACCOUNTS PAYABLE w/Purchase Order	438.25
*	*	ACCOUNTS RECEIVABLE w/invoicing	438.25
*	*	ACCOUNTS RECEIVABLE DEMO	95.00
*	*	GENERAL LEDGER	426.25
*	*	GENERAL LEDGER DEMO	95.00
*	*	LEGAL, TIMEKEEPING BILLING & ACCTG/MBASI	855.00
*	*	LEGAL, TIMEKEEPING BILLING & ACTG DEMO	95.00
*	*	PAYROLL	438.25
*	*	PROPERTY MANAGEMENT	855.00
*	*	PROPERTY MANAGEMENT DEMO	95.00

CP/M 80 CP/M 86 MS DOS PC DOS	COMPANY	PRODUCT NAME, Description	Price
*	*	STRUCTURED SYSTEMS	
*	*	GENERAL LEDGER	517.50
*	*	MAGIC WORKSHEET	251.00
*	*	SUCCESS MANAGEMENT CONSULTANTS	
*	*	MODLE 1040:Tax Planning Prog (MBASIC req)	216.00
*	*	SUPERSOFT	
*	*	ADA Compiler	260.00
*	*	BASIC COMPILER (128K Required)	260.00
*	*	C COMPILER Language	300.00
*	*	C COMPILER 86	300.00
*	*	DATA-VIEW "C" Electronic Filing Cabine	175.00
*	*	DAX PLUS Database Mgr (PC-DOS 2.0)	479.00
*	*	DIAGNOSTIC II Hardware Checker	112.50
*	*	DISK DOCTOR Lost Data Recovery	92.50
*	*	DISK EDIT Physical Disk Editor	92.50
*	*	ENCODE/DECODE II Encryption Software	92.50
*	*	FORTH Z-80 or 8080 Language	175.00
*	*	FORTRAN Fortran Language	370.00
*	*	FORTRAN 8078 Supports 8078 chip	50.00
*	*	INVESTMENT TAXPC Orgznes Invemt Info	175.00
*	*	MACRO I Macro Asmblr / Z-80 Fortran	74.00
*	*	OPTIMIZER Linear prog techniques solver	175.00
*	*	PERSONAL DATA BASE	112.50
*	*	RATFOR Fortran Language Enhancer	92.50
*	*	SCRATCHPAD Electronic Spread Sheet	168.50
*	*	STAR EDIT Text Editor	195.00
*	*	STATS-GRAPH "C" Stat Disp Pkg W/Graphics	175.00
*	*	TINY PASCAL Language	78.00
*	*	UTILITIES I Gen Purpose Programs	58.00
*	*	UTILITIES II Gen Purpose Programs	58.00
*	*	Z-8000 Assembler	440.00
*	*	TARBELL ELECTRONICS	
*	*	CACHE-C CACHE BIOS for CP/M 2.2	47.50
*	*	CACHE-M CACHE BIOS for MP/M-II	87.50
*	*	CPM-2.2 CP/M 2.2 with out Doc	55.00
*	*	CPM-86 CP/M Operating System - 8086	233.50
*	*	CPM2-MAN CP/M 2.2 Manuals	30.00
*	*	DB-3 Tarbell Database System	201.75
*	*	DB-3-MAN Tarbell Database Manual	20.00
*	*	DB-3-SCR Tarbell Database Source	850.00
*	*	INV Tarbell dBASE II Inventory	87.50
*	*	MPM2 Multi-User Op Sys w/XIOS	366.00
*	*	MPM2-MS MP/M-II Manual Set	50.00
*	*	MUCCPM-86 Multi-User Concurrent CP/M	585.00
*	*	REVAS Disassembler vs 3.0	88.75
*	*	SALES Tarbell dBASE II Order Entry	87.50
*	*	SPLR 3.1 KLH Systems Spooler CP/M 2.2	90.50
*	*	SUCCPM-86 Single User Concurrent	282.50
*	*	SUPPORT-816 Duplex 816 BIOS & Utilities	20.00
*	*	SUPPORT-DD DD BIOS and Utilities	20.00
*	*	SUPPORT-FDI FDI BIOS and Utilities	20.00
*	*	TBAS-DSK Tarbell Disk Basic	97.50
*	*	TBAS-LST Tarbell Basic Manual	15.00
*	*	TBAS-SRC Tarbell Basic Source Disk	330.00
*	*	TBXIOS2 DeBlock Bios for MP/M II	87.50
*	*	TAURUS SOFTWARE	
*	*	CP+ (Training & Utility Program)	74.00
*	*	TECHNE SOFTWARE CORPORATION	
*	*	CACHE/Q	195.00
*	*	THORN EMI VIDEO PROGRAMMING ENTERPRISES	
*	*	PERFECT CALC	172.50
*	*	PERFECT FILER	172.50
*	*	PERFECT LIBRARY Inc Writer, Calc&Filer	424.75
*	*	PERFECT LINK	116.50
*	*	PERFECT WRITER-50,000 Spllr&Thesaurus	172.50
*	*	THOUGHTWARE	
*	*	CONDUCTING SUCCESSFUL MEETINGS	372.50
*	*	DEFINING GOALS AND OBJECTIVES	372.50
*	*	IMPROVING EMPLOYEE PERFORMANCE	372.50
*	*	LEADING EFFECTIVELY	372.50
*	*	MANAGING TIME EFFECTIVELY	372.50
*	*	ASSESSING PERSONAL MANAGEMENT SKILLS	312.50
*	*	UNDERSTANDING PERSONAL INTERACTION	312.50
*	*	TIMWORKS	
*	*	DATA MANAGER 2	116.50
*	*	ELECTRONIC CHECKBOOK	66.00
*	*	EVELYN WOOD DYNAMIC READER	82.00
*	*	MONEY MANAGER	58.00
*	*	WORD PRINTER	116.50
*	*	T/MAKER COMPANY	
*	*	T/MAKER III	235.00
*	*	TYLOG SYSTEMS	
*	*	DBASE DOOR	129.50
*	*	DBASE WINDOW	214.00
*	*	UNITED SOFTWARE INDUSTRIES	
*	*	ASCII EXPRESS PROFESSIONAL (TeleComm)	164.50
*	*	VERTEX SYSTEMS	
*	*	80-MATE (CP/M emulator)	132.00
*	*	XNO DISK	323.25
*	*	XNO COPY PLUS	132.00
*	*	VISICORP	
*	*	FLASHCALC	115.75
*	*	PC PAINT	168.50
*	*	VISICALC IV w/Sketchpad (req 256K)	221.25
*	*	VISIFILE	129.50
*	*	VISISCHEDULE	168.50
*	*	VISITREND Trend Plotting	89.00
*	*	VISITREND PLUS	168.50
*	*	WOOLF SOFTWARE SYSTEMS	
*	*	COMMON CENTS	112.50
*	*	MEDICLAIMS	202.00
*	*	MOVE-IT Micro to Micro Communications	112.50
*	*	MOVE-IT Micro to Micro Communications	132.50

PRICES AND AVAILABILITY
SUBJECT TO CHANGE WITHOUT NOTICE.

CALC

*** Turn your CP/M computer into a Calculator ***

With all the fancy accounting, database, spread sheet and math programs around there are times when just a plain old-fashioned calculator would be more useful. CALC has most of desk top calculator features and some added powerful ones.

First of all you install CALC so it knows how to clear the screen and so forth. Then it is ready to run.

Naturally CALC adds, subtracts, multiplies and divides numbers, but it also does it with up to 20 variables. CAT * DOG gives you an answer, not a fight. MILES divided by GALLONS gives you miles/gallon.

The variable names with their values may be listed at any time and may also be written to disk for use at a later session.

CALC shows the results of each calculation on the left side of the screen together with a running total of all the calculations on the right side of the screen. The running total may be turned off if desired.

All the variables may be cleared as well as the two calculation registers either individually or all at one time.

CALC includes a help command that will display a list of the various commands available.

Another handy feature allows the user to apply a predetermined tax percentage to the current total. The amount of the tax will be shown as well as the original amount plus the tax. Let CALC figure the total including tax.

The 15 page manual provides easy to follow install instructions, and step by step instructions for the various commands.

Price \$29.95
Both CALC and TYPR Price \$45.00

TYPR

The Program that turns your Computer and Printer into a Typewriter.

TYPR is a no nonsense program that lets you print directly to your computer printer. It is a simple and easy to use program for quick letters, notes, or memos that don't warrant using a word processor.

There are no Bells and Whistles in this program. There is no justification, word wrapping or tabs. No control codes to determine, no margins to set or page lengths to worry about.

The TYPR program provides a count line on the screen from then on it uses the concept that what you see (on the screen) is what you get (on the printer). TYPR lets you backup and make corrections on the screen. The characters entered on the screen are printed only after you have pushed the ENTER or RETURN key.

(10 page Manual included)
Price \$19.95
Both TYPR and CALC Price \$45.00

THE * JOURNAL II

The * JOURNAL II is an easy to use bookkeeping program that allows up to 100 different income and expense accounts.

It is designed for the individual and for small businesses that need to keep track of where the money comes from and goes. It is simple and easy to use.

Entries consist of Date, Check number or Cash, Description of income or expense and the Amount. Unlike many accounting systems you can go back and easily change any entry at any time.

All entries for each account may be displayed or printed with the account total at any time. Summary of income and expense accounts may be displayed or printed at any time. Income minus expense is also available. Complete instruction manual included.

Price 29.95

FACT

Info Guide for the Busy Traveler

FACT is a unique program that provides travel information about the U.S. and the world all in one place. It provides:

- Air distance - Major World cities
- Road distance - Major U.S. cities
- Temperatures - Major World cities
- Temperatures - Major U.S. cities
- Telephone Area codes in U.S.
- International currency exchange

Just pick the menu for the information you desire and answer the prompts. The desired information is then clearly displayed on the screen. A 20 page users manual is included.

Price \$29.95

All five L & L Programs \$100.00

INFO

The Personal and Business Directory

The menu driven INFORMATION DIRECTORY is an easy way to organize your personal and business telephone and address information and two lines for comments. The directory can hold up to 120 records.

Often times we accept a business card from a salesman and on the reverse side write personal data and business information, pertaining to that salesman, his product, or the company he represents.

This program uses the business card theory and applies it to today's technology, the computer.

From the main menu information may be added to the directory, changed or deleted and selected existing information may be conveniently displayed. A 25 page manual included with disk.

Price \$29.95

TYPWTR

*** Turn your CP/M, MS-DOS, PC-DOS computer into a typewriter ***
 - Narrow Screen Version Available for ADAM, Osborne I & Commodore 128 -

Lets face it, Computers perform wonderful feats but for some jobs they are like driving a tack with a sledge hammer. For example: type one envelope, a short note, a few 3 x 5 cards - almost more trouble then it is worth - load up the fancy word processing program - type in a few lines then print - right ? Well maybe - how many copies did you print before you got it right ? Ever try to use your word processor for filling in a pre-printed form - disaster !!

TYPWTR is like a typewriter in that you can set tabs, both the left and right margin, line spacing and the print head moves as you type. TYPWTR is like a word processor in that you can back space, move the cursor on the line and delete and insert characters and save what you have typed to a disk file.

The big difference is that nothing is printed until you hit the return key.

Now that you are interested we will go into detail about the many features of TYPWTR

First of all TYPWTR needs to know how wide your screen is, also how wide your printer is. It also needs to know how you clear your screen and what back space codes are used for your screen and printer. TYPWTR is a scrolling program so cursor control is not required. The install program and the manual make that easy.

For cursor movement TYPWTR comes configured similar to WordStar for:

- . Cursor right character
- . Cursor left character
- . Cursor right word
- . Cursor left word
- . Go to end of line
- . Go to beginning of line
- . Delete character under cursor
- . Delete character backwards
- . Insert toggle off/on
- . Set/clear tab
- . Tab
- . Edit mode off/on
- . Load new defs or Quit
- . Set margin right/left
- . Set line spacing
- . Delete line
- . Delete to end of line
- . Delete word right
- . Word wrap off/on
- . Print head follow off/on
- . Save file off/on
- . Print saved file
- . Stop printing

How s that ? And if you want to change the control keys for all these features you can.

All this information is saved in a definition file. You can have multiple definition files. For example you can have one set of definitions for the top of a pre-printed form, one for the middle and another for the bottom. As you fill in each portion of the form you can bring in a new definition table with different margins and tabs. Makes form filling in easy.

With "print head follow" on, the print head moves as you type. As you space over to where you want to start typing, the print head moves so you can see where the information will be printed. Then enter your data and it will be printed just where you want it. Remember nothing prints until you hit the return key.

Did you ever do a delete word right on a typewriter ? How about inserting a character or word in the middle of a line. About the only line editing feature missing is "spell word right".

 TYPWTR
 Copyright (c) 1983 by Hall Associates

Initial definition settings	Left margin is at 10 Right margin is at 65 Line Spacing is 1 Edit mode is on	Ruler line
Tabs set at 15 & 35	Insert mode is on Word wrap is off Print head follow is on	Insert & Edit mode-

1!!!!v!!!!2!!!!+!!!!3!!!!v!!!!4!!!!+!!!!5!!!!+!!!!6!!!!+
 This is where you do your typing

v
IE

TYPWTR will also save the data you type to a disk file. That s another handy feature. You can bring the file back and print it with TYPWTR or use a word processor and modify it or whatever.

So your screen is 80 characters wide and you want to type in 132 character lines - no problem. TYPWTR provides for horizontal scrolling by moving the line to the left.

With word wrap on, TYPWTR automatically goes to the next line when you get to the right margin eliminating the return key.

For print head follow to work properly, your printer must be able to print one character at a time and it must also be able to back-space. Also your terminal must be able to backspace over a character without erasing it.

We have just skimmed the surface in describing the features of TYPWTR. The User s Manual describes each feature and uses examples to show how to get the most out of this handy program.

One of the nice things about TYPWTR is that you do not have to use all its features to make it a useful tool.

Professional Quality Software for the Discriminating Programmer.
Obtain large system type software performance from your CP/M 2.2 Micro.

ZDS a Z80 Assembly Language Development System

Besides the Macro Assembler, Linker, Translator, Z80 routine Library and Manager, Debugger, and Test files the ZDS development system includes a screen oriented Editor.

ZMAC is an advanced MACRO assembler that produces object files in either Intel HEX or Microsoft REL formats for Zilog/Mostek Z80 Mnemonics. There is a built in cross reference capability for symbols, op codes and macros. Global symbol length and case is user adjustable for use with high level languages such as C. Other features include: User defined macros and macro libraries, conditional assembly, source and command line control of assembly functions, explicit error messages, and including other source files at assembly time.

ZLINK handles object files in REL format. ZLINK clears memory so that storage blocks are free of garbage. An auto file seek feature, that will locate the specified file on any disk unit, is included. ZLINK, because of its size, will link larger files than most Linkers.

ZTRAN is a fast efficient 8080 to Z80 assembly language program translator.

EZTEXT is an easy to use screen oriented Text Editor with a powerful command set, automatic file buffering, and built in customization for the user's CRT type terminal. The first line on the screen describes the available commands and current editing mode. A how-to test file is provided.

ZSUBLIB is a library of routines. No need to reinvent them. The CPMIO routine provides the basic CP/M BDOS functions with automatic disk error handling. Other routines include arithmetic and conversion routines, a variety of buffered disk interface routines, printer and paging routine, even direct BIOS interface routines. A DOC file describes each routine.

ZLIB is a goof-proof library manager for creating, modifying and updating libraries of object modules in the REL format. Individual file names and listings may be made from this library.

ZDT is the debugger, described below, and is also included.

In addition the user's manual there are also example programs on the disk, that illustrate coding techniques.

Price \$129.95

ZSUBLIB Source w/ New CCP \$15.00

EZDT a Z80 DYNAMIC DEBUGGER

EZDT, (a Z80 DDT) Dynamic Debugging Program allows the user to dump, test, debug, examine, disassemble, set break points, modify and trace Z80 assembly language programs.

EZEDT relocates itself up under the BDOS overlaying the CCP thus freeing the TPA space for the program being examined.

A number of EZDT commands display the contents of both the Primary and Secondary registers in HEX and ASCII as well as the bit designation for the Sign, Zero, Half Carry, Parity, Negative and Carry flag registers.

EZDT uses the standard CP/M command line editing functions such as C, E, P etc., as well as the normal debugger commands such as D, S, L etc. In addition, commands are provided to:

- . Converts input to DECIMAL, HEX and ASCII.
- . Display first and next Disk Directory Blocks.
- . Set number of display lines.
- . Memory Test over address range.
- . Display Stack contents.

The EZDT program and manual is included with ZDS but may be purchased separately.

Price \$29.50

ZASM a Z80 ASSEMBLER

ZASM is an assembler for Z80 CP/M microcomputers and uses Zilog/Mostek mnemonics. It is designed for assembling small and medium sized stand alone assembly language programs that do not involve the use of macros, libraries of routines, or relocatable code.

ZASM is similar to ASM, but faster. ZASM reads a text file created with any text editor or word processor (non-document) and generates an optional object code (.HEX) file in Intel format. The printed listing is optional.

ZXREF is a listing and cross reference table generating program for use with Z80 assembly language files and is included.

The source code for a SUBMIT file generator called BATCH allows the user to generate a \$\$\$SUB submit file for direct execution.

The Manual includes an example program as well as a Programming Techniques guide.

Price \$29.50

EZDSX a Z80 Disassembler

EZDSX is a simple, fast, efficient non-interactive two-pass disassembler. It will convert a CP/M COM file into a Z80 Assembly language source file with pseudo ops and synthetically generated labels.

On the first pass the program generates a temporary file containing a four byte absolute starting address of the op code, op code mnemonic, operand and labels.

On pass two EZDSX reads the file and converts it into conventional assembly language source file.

DUMPF is used to dump the object file in HEX and ASCII for text identification. MASK is used to tell EZDSX which sections of the object code are ASCII text. ZXREF provides a list of line numbers and a cross reference table with each label referencing a line. Manual and example files are included.

Price \$39.50

HDIS Version 2 (by John Robert Hall) is a multi-pass 8080 Disassembler which produces source code with no human assistance. Unlike many disassemblers, HDIS produces labeled, correctly disassembled source code automatically. Besides generating and verifying the labels themselves, HDIS automatically shifts between instruction and data disassembly during creation of the source code and finds unlabeled character strings.

'HDIS filename (option list)' is all it takes to start the disassembly of a ".COM" file.

HDIS uses a virtual disk buffer to hold labels generated when disassembling large programs.

HDIS disassembles an 8080 machine code program directly from disk. Output may be directed to the CRT, the printer, written as an ".ASM" file, or any combination of the three. The disassembly is done in either a Continuous or an Interactive mode. In the Continuous mode HDIS outputs source code continuously until the entire machine code program has been disassembled.

By contrast, disassembly in the Interactive mode pauses so the operator can control its state and progress by using any of the various interactive commands. Other aids include going to other parts of the program by pressing a digit (0 thru 9) key, and saving the label tables on a disk file.

The interactive mode also allows modifications of disassembly conditions, such as selection of console or printer output, whether output is to be written to a ".ASM" file, console screen height and width, and more.

HDIS is able to produce automatically labeled, correctly disassembled source code by first doing a two pass "pre-scan" of the machine code file. The pre-scan is used to build and verify a program instruction label table and a data label table. Percent completion is displayed during "pre-scan". "Pre-scan" may be suspended and restarted.

These tables contain the locations of the machine code instructions which generate address

references, along with the generated addresses (where labels will be placed). When a text message is encountered, HDIS enters its data disassembly mode to disassemble the message, reverting to mnemonic disassembly when text termination is detected.

The commands in the Interactive mode allow the user to jump to an address, call a given address, insert and delete labels, restart the disassembly, move the stack pointer forward and backward, dump the label tables - and there are many more commands (44 commands in all).

The complete instruction manual includes a tutorial on disassemblers, as well as, original source and disassembled source examples of the practice files contained on the disk to demonstrate the ease-of-use of HDIS.

HDIS requires a CP/M 2x operating system with 50K minimum.

Manual (applies to software) \$10.00
HDIS and Manual \$85.00
3/84

OKARA — The Honorable Shell for CP/M

OKARA, from Kiai Systems, is a suite of small programs that jointly and modularly constitute a friendly, efficient, programmable user interface for CP/M. OKARA is also a simple tool for creating many shells each perfectly suited to a particular user and his application.

A shell can be considered as a program that stands between the user and the computer, interpreting commands from the user, and directing the computer operation.

Most of OKARA's components run at the top of the Transient Program Area (TPA), invisible to properly written CP/M programs, but highly visible to the user. These components or "overshells" may be used individually or combined with each other to create larger shells in almost any conceivable mix.

The most important feature of OKARA is its programmability, that is, its ability to execute programmed sequences of commands. This facility, embodied in the OKARA modules, is upward-compatible with the CP/M submit feature, but far more capable, and much faster and easier to use.

This programming is done with a "DO-language" that is used to write a script of commands that will be executed. This language contains instructions for parameter substitution, decisions, branching, console I/O, and control over certain abort conditions. DO scripts can call other DO scripts; pass parameters to scripts; transient programs, or CCP commands; and receive results from transient programs. In addition HELP files can be called from a script.

Besides the other programs included there are two straight forward programs included on the OKARA disk, PAGE and PHOTO. When PAGE is used with the CP/M Command TYPE the display is stopped for each screen full - no Ctl-S needed to keep the data from scrolling of the screen. Photo writes a file of whatever is shown on the screen. As an example PHOTO DIR will write a file containing your current directory.

There is no way in a few words to tell about OKARA. The manual has 124 pages and contains an Index and a Table of Contents. The user is stepped through many "how to" examples. The OKARA disk contains over 50 programs and scripts.

If you use only a few features of OKARA its a good deal but for those who really put it to work it is a fantastic bargain.

OKARA and manual \$39.95

DISK FORMATS AVAILABLE

8" Standard CP/M SS SD 241k (IBM 3740 format) & Tarbell Deblock SS DD 596k & DS DD 1028k

		5-1/4" 40 track format (48tpi)				5-1/4" 80 track format (96tpi)			
Adam (Cleco)	SS DD 145k	Lexor	SS DD 159k	OSM	SS DD 136k	Altos	DS DD 700k		
Atrix	DS DD 380k		DS DD 318k	Otrona Attache	DS DD 360k	BASIC-4 S/10	DS DD 624k		
Avatar	SS DD 180k	Lobo	DS DD 342k	Royal	DS DD 300k	DEC DecMate	SS DD 386k		
	DS DD 380k	Micropolis*	SS DD 298k	Sanyo MBC-1000	DS DD 310k	DEC Rainbow	SS DD 386k		
BMC if 800	DS DD 380k	Morrow Designs	SS DD 186k	Superbrain	SS DD 162k	Eagle II	SS DD 384k		
Cromenco	SS SD 80k		DS DD 384k	TeleVideo	DS DD 340k		DS DD 784k		
DEC VT-180	SS DD 169k	NEC PC 8001A	SS DD 150k	Toshiba	DS DD 254k	OSM	DS DD 620k		
Epson QK-10	DS DD 376k		DS DD 300k	TRS80 Model 4	SS DD 154k	Heath/Zenith	SS SD 190k		
Fujitsu	DS DD 314k	North Star	SS SD 78k	Montazuma	SS DD 166k		SS DD 308k		
Heath/Zenith	SS SD 90k	(10 Hard Sctr)	SS DD 163k	Vector Graphic*	SS DD 298k		DS SD 388k		
	SS DD 148k		DS DD 338k	Xerox 820	SS SD 82k		DS DD 628k		
H/P 86 & 87	DS DD 240k	Osborne 1	SS SD 90k		SS DD 155k	Pied Piper	DS DD 776k		
H/P 125	DS DD 248k		SS DD 183k		DS DD 322k	Sanyo MBC-2000	SS DD 302k		
IBM-PC (CP/M)	SS DD 134k		DS DD 386k	Z-Disk	DS DD 288k	Sanyo	DS DD 620k		
	DS DD 314k	Olympia EX100	SD DD 346k	Zorba	DS DD 388k	Superbrain	DS DD 786k		
Kaypro II	SS DD 193k					Viasyn/CompuPro	DS DD 772k		
1/4/10/X	DS DD 392k	* (16 Hard Sectors)				Zentic/CDC	SS DD 372k		

MS-DOS (IBM-PC) Disk Formats - SS DD 156k 175k & DS DD 315k & 354k **DEC Rainbow** SS DD 383K

Note: Programs moved between CP/M and MS-DOS disks must be changed to match the operating system.
 We can copy to most 40 and 80 track soft sectored, single or double sided single or double density disk if you supply a sample disk (without an operating system) filled with text files (one over 32k) and STAT DSK: info.

Date: _____ Phone (_____) _____ - _____
 Name: _____
 Address: _____
 City: _____ State: _____ Zip: _____

Send Order to
ELLIAM ASSOCIATES
 24000 Bessemer Street
 Woodland Hills, CA 91367
 Phone (213) 348-4278

Note: Unless otherwise specified all programs will be shipped on 8" SS/SD Disks.

Quantity	Format	Description	Unit Price	Total
	8"	Scotch Soft Sector Single Side Snpl Density	10/\$25.00	
	8"	Scotch Soft Sector 2 Side Flippy Snpl Den.	10/\$36.00	
	5-1/4"	Soft-Sector Single/Double Sided Double Den.	10/\$20.00	
	5-1/4"	Soft Sector SS or DS 2 Sided Flippy Dbl Den	10/\$30.00	

Overseas checks must be remitted through a U.S. bank.

M/C or Visa accepted (\$20.00 Minimum) Subtotal
 Card No: _____ Exp: _____ Calif Res add tax
 Shipping & Handling (US & Canada, Mexico/Overseas)[min] 2.50/10.00
 Signature: _____ Total
 Prices subject to change without notice.

Elliam Associates
 24000 Bessemer Street
 Woodland Hills, CA 91367

DISK CONVERSION / COPY SERVICE

Need to move software from one machine to another? Can't get software for your machines' format? Get it on 8" and we will move it to your machines format. Any how if you have software that needs to be moved from one machine to another just fill out the form and send it in with your disks.

We can copy to most 40 and 80 track soft sectored, single or double sided, single or density if you supply a sample disk (without an operating system) filled with test files (one file over 32K, and with the results of running "STAT DSK":.

SEE ORDER BLANK FOR FORMATS AVAILABLE

PRICES

Copying Charges:

- One Source to One Destination Disk
 Each Destination Disk \$5.00
- One Source Disk to more than One Destination Disk
 Each Destination Disk \$5.00
- More than one Source Disk to One Destination Disk
 Each Source Disk \$5.00

Disk Charges: Formatted Disk \$4.50
 Formatting Customer Supplied Disks Each Disk Formatted \$1.00
 Note: We will use Flippy disks where practical.

Setup Charge: SetSetup charge per order \$5.00

	Quantity	Source Format	Destination Format	Unit	Price
Setup Charge:					5.00
Formatting Charge:		Customer Supplied	Unformatted Disks	1.00	
Copying Charges:				5.00	
Disk Charges:				4.50	
		Calif. Res. add tax on disks (6% or 6.5%)			
		Shipping & Handling (US & Canada, Mexico/Overseas) min			2.50/10.00

The following Idemnity Agreement MUST be signed.

Total

I hereby certify that the programs(s) I am submitting to Elliam Associates do not infringe on any copyrights or patents held by third parties. I understand that Elliam Associates is providing only a copying service and in no way assumes liability to third parties for my program(s).

I agree to indemnify and hold harmless Elliam Associates from any claims by third parties that Elliam Associates has infringed a copyright or patent held by such third parties. I also agree to pay any court costs and reasonable attorney's fees incurred by Elliam Associates in defending against such a claim.

Signature: _____ Title: _____ Date: _____
 Name: _____
 Company: _____ M/C or Visa accepted (\$20.00 minimum)
 Address: _____ Card No: _____
 Exp: _____
 City: _____ State: _____ Zip: _____ Phone: _____

B A S I C / Z The BASIC for Professionals

a multi-user, native code compiler for CP/M, CP/M-86/80 and MP/M II

If you have been working with BASIC for a couple of years its time to move up to the BASIC that has the power you always wanted.

For starters how about alpha-numeric labels. Doesn't GOSUB @ADD.INTEREST.TO.AN.ACCOUNT make more sense than GOSUB 323141. Which is easier to debug? Label, function, and variable names may be any length, with all characters significant.

Wouldn't it be nice to use a command for a SORT that allows you to select the start and subscript in an array, ascending or descending with uppercase conversion and key length. BASIC/Z does that and also SEARCHes an array.

BASIC/Z includes an editor with the usual commands plus a search command. Each line is syntax checked as entered. If ASCII files are used it marks any line that fails the syntax check. For testing, a program may be compiled and immediately executed with the run-time module. The final version is linked to needed support routines into a .COM file. For maximum efficiency, all generated code is in the form of native machine instructions, which are executed directly by the cpu.

Once BASIC/Z is installed you can make use of your terminal and printer features. Clear screen, clear page, dim, reverse are supported. PRINT TAB(5,15) positions the cursor at line 5, column 15. Matrix printer features are supported and you can also define your own functions.

It would be handy to skip forward and backward when inputing a string. BASIC/Z does this and more like insert toggle and blank line. You can even use your function keys to do this editing.

Structure your programs with DO/UNTIL, IF/THEN/ELSE, FOR/NEXT, WHEN/WHEND and WHILE/WEND constructs. Absolutely unique to BASIC/Z are recursive, multi-line user-defined functions. Try this function to compute the factorial of n by calling itself n-1 times, in any other BASIC.

```
DEF FNFACTORIAL(n)
  WHEN n <= 1
    x = 1
  WHEND
  WHEN n > 1
    x = FNFACTORIAL(n-1) * n
  WHEND
FNEND
```

Forget "round-off" errors since BASIC/Z uses program-definable precision decimal (BCD) format. Absolute precision up to 18 digits is provided and it even works with SIN, COS, LOG etc. One and two byte control (unsigned binary) types are also included.

Arrays may be dimensioned dynamically (by an expression) and even erased to reclaim space memory. String space is allocated statically, so there is never a "garbage collection" delay.

Extensive error handling, even to the BDOS error level, provides absolute error control even to level of expression, function and subroutine stack manipulation. Up to 30 files may be opened at a time and chaining can take place without closing the files. A common area retains variables between programs. For multi-user systems records files and records may be locked and attach/detach for multiple printers is supported.

Sequential files are supported with read/write capability, allowing extension or truncation without the need to copy the entire file. Two forms of random files are provided, with sequential and/or random access.

Data may be accessed in ASCII, or internal format. An entire array (or just a selected portion) may even be read or written with a single statement. Variable length sub-fields are supported with user-defined delimiter codes. Automatic blocking of fixed length sub-fields is available, from masks constructed dynamically at run-time.

An unmatched debugging facility offers line trace to the console or printer, breakpoints, error line or address retention, even the ability to single-step a compiled program, with continuous display of selected variables.

We ran out of space before we listed all the features, there is more. Order your copy now and give your programs the power they deserve.

BASIC/Z requires absolutely no royalties nor run-time charges of any type.

BASIC/Z single-site package	\$345.00
BASIC/Z documentation only	40.00
(applicable toward purchase)	

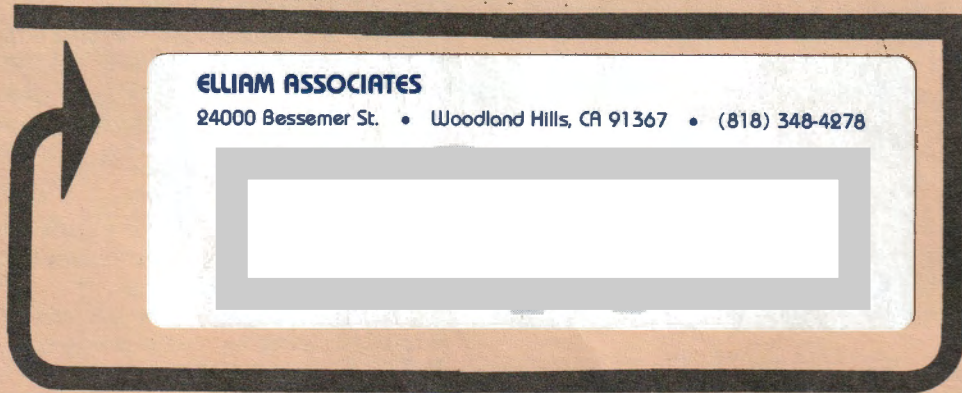
- * BASIC/Z
 - * BOBCAT 3
 - * CALC
 - * CONFLICT
 - * CP/M COLLECTIONS
 - * CP/MUG.CAT
 - * FILE BUSTER
 - * FORMS-3
 - * HDIS
 - * INFO
 - * JOURNAL II
 - * LBL-ENV
 - * MASTER CATALOG SYSTEM
 - * MM-ENTR
 - * OKARA
 - * PDIR
 - * PROGRAMMER'S HELPER
 - * RELIABILITY PREDICTION PROGRAM
 - * SIG/M COLLECTIONS
 - * SIG/MUG.CAT
 - * SPREAD SHEET TEMPLATES
 - * SUPERFILE
 - * TARBELL DATA BASE SYSTEM
 - * TRANSMUTE
 - * TYPWTR
 - * UNE/CON
 - * WP HELPER
 - * ZMDS Z-80 DEVELOPMENT SYSTEM
- and lots more

CP.M
MS-DOS - PC-DOS
SOFTWARE



ELLIAM ASSOCIATES

24000 Bessemer Street
Woodland Hills, CA 91367



HERE IS THE INFORMATION YOU REQUESTED