

916-895-8751

SYM USER'S GROUP
P. O. BOX 319
CHICO, CA 95927

ADDENDUM TO "GREEN SHEET SHOPPING LIST 1 MAY 1983"

PLEASE NOTE:

Increases in shipping and handling costs require that we must ask you to add a 1 percent shipping and handling charge to the total of your purchase, with \$1.00 minimum, and \$5.00 maximum.

ALTERNATIVE ENERGY PRODUCTS (AEP) has added so many new products to its line that we have been requested to use AEP part numbers when ordering. When ordering through SUB, please use the following part numbers. Phone or write for current prices.

<u>PART NUMBER</u>	<u>ITEM</u>
MB-132/BK	32K STATIC RAM BOARD W/BK RAM
MB-132/16K	32K STATIC RAM BOARD W/16K RAM
MB-132/32K	32K STATIC RAM BOARD W/32K RAM
MB-132/XXK-B	ANY SIZE (XX) MEMORY BOARD W/SUPER CAP BACK UP
I/OX-122	I/O EXPANSION BOARD
I/OX-222	I/O EXPANSION BOARD W/ 8" REMOTE CABLE
CLK-1/S	REAL-TIME CLOCK/CALENDAR W/SOFTWARE (SYM)
CLK-1/S-B	CLOCK/CALENDAR W/ SUPER CAP BACK-UP (SYM)
CLK-1A	REAL-TIME CLOCK/CALENDAR W/SOFTWARE (AIM)
PRG-1/S	EPROM PROGRAMMER W/SOFTWARE (SYM)
COM-1/S	DUAL ACIA BOARD W/SOFTWARE (SYM)

SOFTWARE

XCOM-2/S	MODEM SOFTWARE (SYM)
:ELIZA/S	MACHINE LANGUAGE ELIZA, OBJECT CODE (SYM)
ZELIZA/S	SOURCE CODE FOR :ELIZA/S (SYM)

[Source code will be released only to purchasers of object code. Purchaser is not limited in making copies, provided that they are for the purchaser's own use.]

SPECIAL SALE UNTIL 15 JUNE 1983 ON AEP PRODUCTS

MB-132/32K STATIC RAM BOARD now \$250
PRG-1/S EPROM PROGRAMMER Special introductory price \$200

PRICE REDUCTIONS

BROWN'S SYM-FORTH (BSF-1) Requires 16K
User's Guide, Glossaries, Source Listing and Object Code on cassette. New price \$50.00

BROWN'S SK-FORTH (SKF-1) Requires 24K, 32K preferable
User's Guide, Glossaries, Source Listing and Object

38 590 B ear 1/19/81 1300

519-884-9362
272 - Erb West
Watauga, Ontario, Can

NEW SOFTWARE - See Issue #15 for description

NZL IWZ

604

WUETHRICH'S HELICOPTER Requires Visible Memory \$36.00

WHARRIE'S FDC-1 FORTH on FDC-1 Diskette \$40.00
FDC-1 FORTH on Cassette \$36.00

MOSER/MACKAY'S SWP-2.5 (REPLACES SWP-1) \$42.00

MACKAY'S SWP-2.5 UPGRADE TO SWP-1 \$12.00

AEP'S :ELIZA/S (Cassette or FDC-1 Diskette) \$25.00

NEW BOOKS

BRODIE'S "STARTING FORTH" \$17.95
Recommended for use with Wharrie's FORTH

LEVENTHAL'S "MICROCOMPUTER EXPERIMENTATION WITH THE
SYNERTEK SYM-1" \$21.95

CATER'S "ELECTRONICALLY SPEAKING: COMPUTER SPEECH
GENERATION" \$14.95

CATER'S "DEMO/AUDIO CASSETTE" \$ 3.95

CATER'S "LPC HARDWARE MANUAL" \$14.95

CATER'S "6502 EXPERIMENTER PACKAGE" \$19.95

CATER'S "6502 PHONETIC GENERATOR SOFTWARE" \$14.95

PUBLISHER'S PRICE INCREASE

DE JONG'S "PROGRAMMING & INTERFACING THE 6502, WITH EXPERIMENTS
\$18.00 US/Canada
\$19.00 Overseas shipped postpaid surface mail

NEW HARDWARE

TAXAN 12" GREEN MONITOR \$140.00

64K DYNAMIC RAM BOARD (Described in Issue 15) Call/Write for price

BILL

PRODUCT AND PRICING POLICY

Our objective is to make available all hardware, firmware, and software items intended exclusively or primarily for the SYM, or easily adaptable to it, and offering, wherever possible, discounts and/or added services on such items as are also available elsewhere. Examples of these services include the RAE NOTES, checking out of many items before shipping, immediate replacement of problem units without the delay of returning to the manufacturer, and personal help with installation and usage questions. These SYM-specific items are always on the shelf, or are available on very short order, since we are given high priority by the sources of these items. We also stock a selection of the better 6502 (and 6809) books.

SOFTWARE FORMATS

Unless specified otherwise, all software is distributed on SYM Standard Speed Cassettes, with all files dumped three times. Please do not order cassette software if you are not able to read your own cassette dump easily and reliably! KIM Speed dumps (21 times as long as SYM Stands) will not be provided.

Whenever authorized, RAE source code will be provided. Where the program is well self-documented, only a very minimal amount of printed instructions will be supplied.

We can supply some software on CODOS 8 inch and FODS 5 1/4 inch disks, but because the copy procedures are not yet automated, an additional time and medium charge will be added. Eventually, software may also be available for FODS 8 inch and FDC-1 8 inch and 5 1/4 inch disks, as we set up additional systems to handle these formats.

SPECIAL PRICES

Please call or write for member's prices, quantity discounts, and/or educational/student discounts, on the following items:

SYM-1	KTM-2, KTM-2/80
SYM-1/68	MTU CARD CAGE
SYM-1/69	MTU 32K BANKER BOARD
MOD-68	MTU CODOS
MOD-69	HDE FODS

\$140.00

NEW HARDWARE

FAXAN 12" GREEN MONITOR

54K DYNAMIC RAM BOARD (Described in Issue 15) Call/Write for price

SOFTWARE

HOLI'S SYM-TECO (requires 16K and RAE to assemble but not to use)
 STRUBE'S FORMATIER (requires 16K and RAE for both assembly & use)
 DILWORTH'S RADAR (requires RAE and Visible Memory or equivalent VDU)

All above are \$36.00 each shipped anywhere

NEW SOFTWARE - See Issue #15 for description

MUETHRICH'S HELICOPTER Requires Visible Memory	\$36.00
WHARRIE'S FDC-1 FORTH on FDC-1 Diskette	\$40.00
FDC-1 FORTH on Cassette	\$36.00

SYM-1 Users' Group
 P.O. Box 319
 Chico, CA 95927

TELEPHONE (916) 895-8751

OFFICE HOURS 9AM - 4PM Pacific Coast Time, Monday through Friday

"SHOPPING LIST" - EFFECTIVE 15 APRIL 1982

THIS LISTING SUPERCEDES ALL PREVIOUSLY PUBLISHED PRICE LISTS

ALL PRICES ARE SUBJECT TO CHANGE FOR THE USUAL REASONS

CALIFORNIA RESIDENTS PLEASE ADD 6% SALES TAX

are authorized dealers for Synertek Systems Corporation (SSC), Hudson Digital Electronics, Inc. (HDE), and Micro Technology Unlimited (MTU). Please write or phone for pricing and availability for any of their products not listed here. We also purchase, for incorporation in OEM systems, such items as power supplies, video monitors, printers, etc., from other manufacturers. Contact us for prices on any items which can be used with SYM systems.

Except where otherwise indicated, all prices include handling and shipping charges (UPS or First Class Mail in U. S., Airmail elsewhere). We will accept Postal Money Orders, or Bank Checks, in US Dollars, but -

>>CHECKS FROM OUTSIDE OF THE U. S. MUST BEAR THE MAGNETIC INK COMPUTER<<
 >>READABLE (MICR) CODING ACROSS THE BOTTOM EDGE OF THE CHECK<<

FIRMWARE

SUPERMON VERSION 2 (MON 1.1) with Enhancement Manual
 \$16.00 US/Canada - \$17.50 Europe/So. America - \$18.50 elsewhere

RAE-1 (single chip version) with set of three RAE NOTES
 \$145.00 US/Canada - \$146.00 Europe/So. America - \$147.00 elsewhere

RAE-1/2 (two chip version) with set of three RAE NOTES
 \$95.00 US/Canada - \$96.00 Europe/So. America - \$97.00 elsewhere

RAE NOTES (Updating Service) - Set of three Application Notes
 \$10.00 anywhere

BAS-1
 \$85.00 US/Canada - \$86.50 Europe/So. America - \$87.50 elsewhere

MANUALS AND BOOKS

SYM-1 REFERENCE MANUAL (June 1979, MON 1.1 Version)
 \$8.00 US/Canada - \$10.00 Europe/So. America - \$11.00 elsewhere

SYM-1 SCHEMATIC (Revision F, MON 1.1 Version)
 \$2.00 anywhere

PLEASE NOTE:

Increases in shipping and handling costs require that we must ask you to add a 1 percent shipping and handling charge to the total of your purchase, with \$1.00 minimum, and \$5.00 maximum.

\$ 19.00 US/Canada - shipped postpaid 4th. Class
 \$ 19.00 Overseas - shipped surface mail
 Air Mail to Europe/So. America add \$4.00, Asia/Pacific \$4.00

SYNERTEK TECHNICAL NOTES (Contains lower case and trig patches for BASIC, cassette hints, etc.)
 \$5.00 US/Canada - \$5.50 Europe/So. America - \$7.50 elsewhere

SYNERTEK HARDWARE MANUAL (Reprint of Mos Technology's 1976 detailed description of the 6500 microcomputer family)
 \$8.00 US/Canada - \$9.50 Europe/So. America - \$10.50 elsewhere

PECK'S "SYM-1 HARDWARE THEORY OF OPERATIONS"
 \$6.50 US/Canada - \$8.50 Europe/So. America - \$9.00 elsewhere

PECK'S "SYM-1 MONITOR THEORY OF OPERATIONS"
 \$8.50 US/Canada - \$10.50 Europe/So. America - \$11.00 elsewhere

PECK'S "SYM/KIM APPENDIX TO THE FIRST BOOK OF KIM"
 \$4.75 US/Canada - \$6.75 Europe/So. America - \$7.25 elsewhere

CASSETTE WITH ALL PROGRAMS FROM FBOOK APPENDIX - \$10.00 anywhere

~~BUFFERFIELDS, GENERAL, AND REMINDING THE FIRST BOOK OF KIM
 \$12.00 US/Canada - \$15.00 Europe/So. America - \$16.00 elsewhere~~

DE JONG'S "PROGRAMMING & INTERFACING THE 6502, WITH EXPERIMENTS"
 \$8.00 US/Canada - Shipped Postpaid 4th Class Book Rate
 \$9.00 Overseas - Shipped Postpaid Surface Mail
 Air Mail to Europe/So. America add \$3.00, Asia/Pacific add \$5.00

LEVENTHAL'S "6502 ASSEMBLY LANGUAGE PROGRAMMING"
 \$ 19.95 US/Canada - Shipped Postpaid 4th. Class Book Rate
 20.50 Overseas - Shipped Postpaid Surface Mail
 Air Mail to Europe/So. America add \$6.00, Asia/Pacific add \$10.00

LEVENTHAL & SAVILLE'S "6502 ASSEMBLY LANGUAGE SUBROUTINES"
 \$ 17.95 US/Canada - Shipped Postpaid 4th. Class Book Rate
 \$ 8.50 Overseas - Shipped Postpaid Surface Mail
 Air Mail to Europe/So. America add \$6.00, Asia/Pacific add \$10.00

SOFTWARE

The following three BASIC Enhancements require that BAS-1 be installed. They require different amounts of memory, but offer greater capabilities with the additional memory. Purchasers of BBE-1 will receive a \$20 credit toward purchase of either of the other two versions. Purchasers of ESB-2 (or ESB-1) may "upgrade" to the HDE Disk Version for an additional \$20. Contact Saturn Software directly for the MTU CODOS Disk Version of Extended SYM BASIC.

BROWN'S BASIC ENHANCEMENTS (BBE-1) Requires 8K \$37.00 anywhere

EXTENDED SYM BASIC (ESB-2) Requires 16K \$85.00 anywhere

EXTENDED SYM BASIC (HDE DUAL MINI DISK VERSION) Requires 32K \$95.00 anywhere

The original BSF-1 FORTH conformed to the fig-FORTH model. Its price has been reduced because the new 79-STANDARD version SK-FORTH 79 is expected to replace it. SK-FORTH 79 requires a minimum of 24K. If you have only 16K you should purchase BSF-1, and you can upgrade to SK-FORTH 79 when you expand your memory to 24K or more for an additional \$50. SK-FORTH 79 also has the HDE Disk links. The CODOS version is available through Saturn Software.

NEW HARDWARE PRODUCT - TRAP65

TRAP65 is a product of Eastern House Software (Carl Moser) which we are recommending to experienced SYMsers. It is a small printed circuit card which is installed between the 6502 chip and the SYM. It contains a socketed 74LS244 and a socketed 512 x 8 ROM. It just sits there, monitoring all opcodes going into the 6502 until it sees any of the "non-documented" codes. These are "trapped", and the BRK opcode (\$00) is sent, instead, to the 6502.

By pointing UBRKVC (\$A676) to a subroutine which analyzes and processes the byte which caused the BRK, and the following bytes as well, you can add as many NEW opcodes to your 6502 as you wish. These new opcodes can be implemented in RAE as macros which insert the appropriate .BY sequences. A more detailed product review appears in Issue No. 12.

\$70.00 US/Canada - \$73.00 Europe/So. America - \$74.00 elsewhere

CORRIGENDA

We will use this section of the shopping list for a cumulative listing of corrections to items published in SYM-PHYSIS, so that these will all be available in one place.

In Jack Gieryic's article on the Sound Generator Program, in Issue No. 7, please make the following corrections:

BC2 should be tied to +5 v (not ground) at pin A (not pin 1) BC2 is held high.

A8 may be tied to +5 v, instead of being driven by PB2. This will free PB2 for other purposes.

In Issue No. 3/6 on page 43, A10 on the lower diode should be A10.

ALTERNATIVE ENERGY PRODUCTS (AEP) has added so many new products to its line that we have been requested to use AEP part numbers when ordering. When ordering through SUG, please use the following part numbers.

PART NUMBER	ITEM
MB-132/8K	32K STATIC RAM BOARD W/8K RAM \$175
MB-132/16K	32K STATIC RAM BOARD W/16K RAM 215
MB-132/32K	32K STATIC RAM BOARD W/32K RAM 285
MB-132/XXK-B	ANY SIZE (XX) MEMORY BOARD W/SUPER CAP BACK UP T.B.D.
I/OX-122	I/O EXPANSION BOARD \$60
I/OX-222	I/O EXPANSION BOARD W/ 8" REMOTE CABLE \$72
CLK-1/S	REAL-TIME CLOCK/CALENDAR W/SOFTWARE (SYM) 60
CLK-1/S-B	CLOCK/CALENDAR W/ SUPER CAP BACK-UP (SYM) T B D
CLK-1A	REAL-TIME CLOCK/CALENDAR W/SOFTWARE (AIM) 60
PRG-1/S	EPROM PROGRAMMER W/SOFTWARE (SYM) 250
COM-1/S	DUAL ACIA BOARD W/SOFTWARE (SYM) \$135

SOFTWARE

ICOM-2/S MODEN SOFTWARE (SYM) \$50
 :ELIZA/S MACHINE LANGUAGE ELIZA, OBJECT CODE (SYM) \$25
 :ELIZA/S SOURCE CODE FOR :ELIZA/S (SYM)
 [Source code will be released only to purchasers of object code. Purchaser is not limited in making copies, provided that they are for the purchaser's own use.]

NEW SOFTWARE

The following three newly offered programs have been described in recent issues of SYM-PHYSIS, but their names are self descriptive and all are provided in RAE source code format.

KWOK'S (RAE) CROSS-REFERENCER (XRF-1) - \$36.00 anywhere

THURING'S MACRO-ASSEMBLER (MAC65) - \$36.00 anywhere

DESSAINTE'S DISASSEMBLER - \$36.00 anywhere

HUEY II - The 6502 Program Exchange has authorized us to distribute a cassette containing RAE source code for the SYM-1 version of HUEY II with each copy of the HUEY II Manual. Having machine readable source code available will make it much easier to "extract" the (machine language) floating point arithmetic subroutines for incorporation into your own ML programs. \$48.00 anywhere, for Manual and Cassette

UK SYMMERS' DOS - Source Code and Instructions on a 5 1/4 inch FODS readable Diskette for an "enhanced" version of FODS. All of your diskettes prepared under the original FODS are compatible with SYM-DOS, and vice versa. \$60.00 anywhere, for Diskette

HARDWARE

2114 MEMORY CHIPS 450 nS, standard power, but -L, -LV, or -L2, will be substituted at the same price, whenever available. \$2.50 each. Add with each order, for First Class/Air Mail, \$1.00 US/Canada, \$1.50 Europe/So. America, \$2.00 elsewhere

EPR0M ERASER KIT Includes 6 W Type B UV Lamp, adaptor socket, two standard lamp sockets, plug and cord, and cardboard tube. Useable on either 110 or 220 Volts, 50 or 60 Hertz. \$20.00 US/Canada - \$21.00 Europe/So. America - \$22.00 elsewhere

BLALOCK'S 4K RAM BOARD AND DOUBLE ROM CHIP ADAPTER (only if ordered with any other items; otherwise please order directly from John Blalock) \$8.50 (RAM Board), \$16.50 (ROM Adaptor) US/Canada Overseas please add \$1.00

HEAD ALIGNMENT TAPE - A cassette containing on one side a 7 KHz sine wave recorded on a recorder whose head has been accurately aligned. The other side contains a continuous SYNCH signal. The first side can be used for checking your head alignment, and the second side for adjusting your volume and tone controls. \$7.50 anywhere

QUEST EXPANSION BOARD - A 4 inch by 6 inch double sided circuit board and four 44-pin edge connectors, which may be mounted on any one of SYM's three edge finger connections as a three slot motherboard. \$26.00 US/Canada - \$27.00 Europe/So. America - \$28.00 elsewhere

SYM ENCLOSURE - Rigid gray plastic case. Matches the KTM-2 case. Holds 8K SYM, with minor mods will also hold the 32K Beta Board \$45.00 US/Canada - \$48.00 elsewhere, surface mail For Air Mail overseas, add \$20, excess will be credited to you.

KTM-2 AND KTM-2/80 ENCLOSURE - Matches SYM case above. \$46.00 US/Canada - \$48 elsewhere, surface mail For Air Mail overseas, add \$20, excess will be credited to you.

SPIKE-SPIKER (tm) Deluxe Power Console - Six individually switched, three prong AC outlets with master switch, fuse, and pilot light, with RFI suppression, and powerline transient protection. Provides insurance against glitches and possible burnouts caused by powerline surges, as well as a convenient way to distribute power to your peripherals. \$60.00 US/Canada (only)

DISK CONTROLLERS AND DISK OPERATING SYSTEMS

We are currently, or will soon be, supporting three Disk Operating Systems for the SYM-1, one only for 8 inch drives, two for either 5 1/4 or 8 inch drives. Unless stated otherwise below, each system comes with full documentation (but without source code!), with utility software on disk, and without drive cables (these may be separately ordered). Drives and power supplies are not included. A brief description of each follows:

CODOS

This system from Micro Technology Unlimited (MTU) is the fastest, highest data density, mass storage system available for the SYM-1. CODOS supports only 8 inch double-density drives, and these may be either single- or double-sided drives, up to four in number. The Disk controller is an 8 1/2 x 11 inch card, the same size as the SYM, and with essentially the same pinout as the SYM E-Connector. It requires small amounts of unregulated +8 V and +16 V (it generates its own -5 V aboard), although it may be modified to use regulated +5 V and +12 V, if desired. The Controller Board also includes 16K of dynamic RAM (except for a small section pre-empted by the BOOT ROM). Those electing to go CODOS are advised to install both the SYM-1 and the CODOS Board in the MTU "Card-File". Additional memory from MTU is available for the remaining slots in the Card-File. These include the 8K Visible Memory Board, which also provides high resolution B/W graphics, and the 32K "Banker" Board which provides memory bank switching and additional ROM sockets. CALL OR WRITE FOR PRICES.

FODS

This system from Hudson Digital Electronics (HDE), particularly in the 5 1/4 inch version, makes for an extremely compact, highly reliable, personal computer system, and has been our personal favorite for years. The FODS Controller can support either 5 1/4 or 8 inch single-density, single-sided, disk drives. Conversion from one size to the other requires only replacement of two chips. You must provide your own RAM at \$6000-\$7FFF for the DOS. Boot-up is via a short cassette loaded program until you burn your own boot-up EPROM. The controller card is around 4 x 6 inches, uses the KIM-4 pinout, is easily cabled to the SYM's E-connector, requires +16 V, +8 V, and -8 V, unregulated (regulated +12 V, +5 V, and -5 V may also be used). FODS operates through its own on-board VIA, assigned at \$A88X. CALL OR WRITE FOR PRICES.

- FDC-1

This system comes with full source code, full documentation, and dual drive cables, but with, as yet, very few utilities. It supports two drives, single- or double-sided, 5 1/4 inch, either single- or double-density, or 8 inch, single-density only. It is currently available ONLY IN KIT FORM! The DOS is supplied in a 2732 (4K) EPROM at \$9000, is fully linked to SUPERMON, and nearly fully linked to BAS-1 and RAE-1. The defaults are set for a 4K SYM, and one of the first utilities you want to put on disk is a program to replace the default parameters with values better suited to your system configuration. It is expected that users will submit utilities to SYM-PHYSIS for publication, and that

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= 3395 - 1 Drive
3885 - 2 Drive

564 FORTH 919-833-1458 -> Harbinger manual

these will become available on disk. The FDC-1 is probably one of the lowest priced disk controllers available, needs only a single 5 V supply, mounts directly on the SYM's expansion connector, and needs very little RAM. Because full source code is provided (and because you'll have to write a lot of the utilities yourself) the FDC-1 will be as much a learning tool as the SYM itself.

FDC 1 with 5 1/4 inch. dual cable \$200.00 Canada
 \$205.00 Europe/So. America
 \$209.00 elsewhere
 \$195.00 U.S.A. ADD \$15.00 FOR 8 inch. Dual Cable

MTU MUSIC AND GRAPHICS PRODUCTS

The Micro Technology Unlimited Music System for the SYM includes the 8 Bit DAC Board, which comes with a simple music package (Manual and Cassette), the SYM Advanced Music Software Package (Manual and Cassette), and the SYM Instrument Synthesis Software Package (Manual and Cassette). The Instrument Synthesis Software has stereo capability, so that you may wish to order two DAC Boards. Also, note that the Instrument Synthesis Software requires at least 16 K of memory to be really useful.

The MTU Visible Memory provides 320 x 200 graphics capability for SYM, as well as 8K of additional RAM. Graphic and alphanumeric software is available. The board itself comes with several excellent demonstration programs including "SWIRL" and "LIFE".

Prices, including shipping, for selected individual items are:

DAC MUSIC BOARD (8-bit Digital to Analog Converter, Sharp Cutoff Filter, Audio Amplifier, Manual, and a Demo Digital Cassette)
 \$72.00 US/Canada - \$74.00 Europe/So. America - \$75.00 elsewhere

ADVANCED MUSIC SOFTWARE (Manual, Source Code, and Demo Digital Cassette)
 \$25.00 US/Canada - \$26.00 Europe/So. America - \$27.00 elsewhere

INSTRUMENT SYNTHESIS SOFTWARE (Manual and Digital Demo Cassette)
 \$59.00 US/Canada - \$60.00 Europe/So. America - \$61.00 elsewhere

INSTRUMENT SYNTHESIS SONG PACK (Digital Cassette, 34 Selections)
 \$20.00 US/Canada - \$21 elsewhere (add \$4 for FODS Diskette)

INSTRUMENT SYNTHESIS DEMO CASSETTE (stereo audio, NOT digital!)
 Includes reprints of Hal Chamberlin's two BYTE Magazine articles, "A Sampling of Techniques for Computer Performance of Music (Sept '77)", and Advanced Real-Time Music Synthesis Techniques (April '80)" \$12.00 anywhere

VISIBLE MEMORY BOARD (8K RAM)
 \$230.00 US - Canada add \$5.00 - Airmail Overseas add \$25.00, excess postage will be credited to you

VISIBLE MEMORY GRAPHICS SOFTWARE
 \$25.00 US/Canada - \$27.00 Europe/So. America - \$28.50 elsewhere

PLUGS AND CONNECTORS

We have on hand quantities of the following types of plugs and connectors, several of which are hard to find when you need them in a hurry! Contact us for "onesie" and quantity prices on these.

AMPHENOL 57-30360: Centronics(Epson) compatible parallel interface pl

ITT DPP-255AA : Right-angled DB-25 (female) for SYM "T" connector.

TEKA TP3 221 E04 : 44-pin (solder-eye), "A", "E", "AA" edge connectors.

BROWN'S SYM-FORTH (BSF-1) Requires 16K
 User's Guide and Glossaries, Source Listing, and Object Code
 Cassette \$50 anywhere

SK-FORTH 79 Requires 24K, 32K preferable
 User's Guide and Glossaries, Source Listing, and Object Code
 Cassette, \$75 anywhere

MOSEY/MACKAY'S SMP-2.5 (REPLACES SMP-1) \$42.00

MACKAY'S SMP-2.5 UPGRADE TO SMP-1 \$12.00
 HOLTMAN'S SYM-BUG/MONEX (SBM-1) This program (less than 2K) provides an extremely useful set of extensions to MON 1.1, and a very powerful "debugging" feature. It is easily PROMmable (we use a PROM version at \$F000), but is supplied in RAE source code format, on cassette, with instructions. \$36.00 anywhere

GIERYIC'S JACK BUILT PROGRAMS Require BAS-1, 4K, and a KTM-2/80. These programs take full advantage of the graphical capabilities of the KTM-2/80.

JBP-1) This group contains the following programs: A) Depth Charge, B) Othello, C) Concentration, D) Demonstration (Graphics), E) Plot, F) Bar Graph, and G) Demo #2. Any one program on cassette, with instructions, \$10.00 anywhere, each additional program \$5.00, or all seven \$35.00.

(JBP-2) This group contains the following programs: A) Dual Y-Axis Plot, B) 4 Quadrant Plot, and C) Polar Plot. Cassette with instructions, \$20.00 anywhere

(JBP-3) 2516/2716 EPROM Programmer BASIC Program \$20.00 anywhere

(JBP-4) KTM-2 CHARACTER GENERATOR EPROM PROGRAM (Requires 8K RAM) \$20.00 anywhere

(JBP-5) SOUND GENERATOR PROGRAM Requirements and instructions published in Issue No. 7; cassette only to save keying in. \$10.00 anywhere

(JBP-6) LASER GUN GAME (requires MTU Visible Memory) \$20.00 anywhere

(JBP-7) SCRIBBLE (Requires MTU Visible Memory) \$20.00 anywhere

PITTMAN'S TINY BASIC WITH SYM-1 ENHANCEMENTS Includes Cassette, Manual, and Experimenter's Kit.
 \$22.00 US/Canada - \$24.00 Europe/So. America - \$25.00 elsewhere

DENISON'S 2K SYMBOLIC ASSEMBLER (2KSA) Includes Cassette and Manual.
 \$18.00 US/Canada - \$20.00 Europe/So. America - \$22.00 elsewhere

tiny-c FOR THE SYM: (STC-1) Requires 16K RAM minimum

Part 1 - Owner's Manual, including full 6502 source code:
 \$0.00 US/Canada - shipped Postpaid Book Rate
 \$2.00 Overseas - Shipped Postpaid Surface Mail
 Air Mail to Europe/So. America add \$20.00
 Air Mail Elsewhere add \$30.00

Part 2 - SYM Supplement to Owner's Manual, including I/O and cassette interfaces, and object code on cassette:
 \$50.00 US/Canada - Shipped Postpaid First Class
 \$52.00 Elsewhere - Shipped Postpaid Air Mail