



# NEWSLETTER

## 6800/2 Announced

Oct. 24, 1977 Southwest Technical Products Corp. today announced the immediate availability of the 6800/2 Computer System. The 6800/2 features the new A2 processor board which incorporates sockets for 8K of PROM/EPROM and which uses the new MC6875 monolithic clock driver. DIP switches are provided to allow any 8K block of upper memory (above 32K) to be switched to external RAM or EPROM. This makes it easy to place process control, custom monitors or ROM BASIC in the system.

The MC6875 clock oscillator is independent of the baud rate generator and its operating frequency may be adjusted by changing the value of a single resistor. This allows easy use of higher clock rates if the user wishes to convert the system to premium processor and memory components.

The 6800/2 will be supplied with the new MP-A2 processor board, 4K of memory on an MP-8M board and with a MP-S serial interface. The complete kit with power supply and case is priced at \$439.00 postpaid in Continental U.S.

### Dear 6800 Users,

This newsletter-ad is being tried in response to many requests for a better form of communication between Sw Tech. and 6800 System users. We have tried in the past to send information on new accessories and software directly to customers and to our dealers, but many of you are evidently not getting these as you should.

We plan to periodically make up an ad like this one and tell you about any new developments. If you want more information on any of these items please write and let us know. We will be happy to send it. Our new computer products catalog describing the new products presented here is now available.

### SWTBUG®

If you are still using Mikbug® as a monitor in your 6800 System you should consider replacing it with our new SWTBUG® monitor. It is a direct replacement and hardware compatible **without** any system modifications. Features are

- Automatic Disk Boot just type D
- Automatic interface configuration for either MP-S or MP-C
- Vectored Software Interrupt
- Single Level Breakpoints
- Punch End of Tape Formatting
- Subroutine Entry Point Compatibility

### Odds and Ends

Some of you out there may not have heard about our MP-T Interrupt Timer interface. This is a software programmable timer with selectable interrupts from 1 microsecond to 1 hour.

"Number Nibbler" is what we call the MP-N Calculator Interface. This handy little device makes it easy to do arithmetic functions when they are part of a machine language, or assembler program.

The listing for SWTBUG® is supplied with the monitor. We can also provide

listings of our DOS as used in the MP-F Minifloppy for those who are interested in incorporating special features. Since this is not a volume item, we will copy these on an individual basis for those interested. Price will be \$10.00.

Sneaky Change of the Month—Last summer we made a small change in the MP-L Parallel Interface. It is now officially designated MP-LA. Full buffering of all outputs and inputs was added as well as the ability to operate with 16 bits out.

### 16K Memory

Southwest Technical Products Corp. is offering for late Dec. or early Jan. shipment 16K Memory Boards—assembled and tested for only \$400.00. These memory boards make it possible to fully expand the RAM memory of the 6800 System with only one memory board. The 16K of dynamic memory supplied with the board can be expanded to 32K by simply soldering an additional sixteen IC's in place. The use of dynamic memory in no way slows the processor speed when these memories are used. Memory refresh is accomplished during the second clock phase while the processor is idle.

MP-16 Memory—assembled and tested

.....ppd in Continental U.S. \$400.00

16-EX Expansion Kit. ppd Cont. U.S. \$250.00

### EPROM Programmer

Now not only can you easily add EPROM's to your 6800 System, but you can also program them yourself right in the machine. The MP-R allows you to program and to verify 2716 EPROMs with no additional equipment necessary (2716s using +5 Volt **only** power supplies—Intel, etc.) The MP-R plugs into an interface slot and the EPROM socket extends above the top of the case for easy access. All software necessary to operate the programmer is supplied with the kit and includes provision for verifying, testing and copying 2716 EPROMS. The programming voltage is generated by an on-board DC to DC converter. Only the normal supply voltage from the 6800 supply is needed.

MP-R Programmer Kit with software

.....ppd in Continental U.S. \$44.95

### SOON—

Assembled and tested 6800 systems. Write or contact your nearby SwTPC dealer.

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