

Micro-Minutes

NEWSLETTER OF THE HEWLETT-PACKARD MICRO-COMPUTER INTEREST GROUP

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3706
6U

October/November, 1979

FUTURE MEETINGS

No meetings are currently scheduled.

PAST MEETINGS

There were no meetings in August or September.

HELP WANTED

We desperately need a meeting coordinator. The main reason we have not had any meetings recently is because we have no one to arrange them. If you are willing to act as meeting coordinator, even for a short time, please get in touch with Rick Pinger, ext. 2228.

Help is also needed in laying out the video and I/O boards. The video board can be done from a layout drawing (line routing is indicated), but the I/O board must be done from the schematic. Call Rick Pinger, 5U, ext. 2228, or Mike Beaver, 25U, ext. 227.

ANNOUNCEMENTS

System Buy-Back

The club will buy back systems at the original price as long as there is a waiting list of buyers. Get in touch with Mike Beaver, 25U, to get on the waiting list or to get a refund. No further orders will be taken for the basic system parts (power supply, cabinet) that have already been ordered.

Mother Board

The order form for the Mother Board is included in this issue of Micro-Minutes. The price is not firm because of uncertain production costs and the increasing price of gold. ORDERS MUST BE IN BY NOV. 8, with deliveries expected in December.

The Mother Board holds a maximum of 24 connectors plus two for the front panel board. A minimum system should have at least 10 connectors plus the two for the front panel. We estimate the cost of the bare board at \$37 and connectors at \$3 each. A maximum system would, therefore, cost an estimated \$115.

4 MHz System

A 4MHz S-100 system is needed to help in testing our CPU board. If you have such a system, or if you can get access to one, please contact Steve Hessel, 1L, ext. 2369.

HARDWARE UPDATE 10/79

COMPONENT	DESIGN	PC LAYOUT	PROTOTYPE	CHECKOUT & DEBUG	ORDER DATE (EST)	PARTS AVAIL (EST)	EST. COST
Cabinet	Bill Goodman*	N/A	Lloyd Stafford*	Bill Goodman*	Complete	September	\$ 80
Power Supply	Dick Ollins*	N/A	Dick Ollins*	Dick Ollins*	Complete	Nearly comp.	80
Mother Board	Mike Beaver*	Mike Beaver*	Mike Beaver*	John Youden* Steve Hessel*	October	December	115
Front Panel Board	Doug Pocins*	Mike Beaver*	Mike Beaver *	Doug Pocins	November	February	75
CPU Board	Steve Hessel*	Jack Bamberg*	Harley Wilson *	Steve Joiner* Steve Hessel Bruce Kendall*	November	February	45
Video Board	Dave Collins* Steve Hessel*	Dave Collins	Bob Knapp		?	?	80?
2-Port RAM Board	Steve Hessel*		Bill Ward (wire wrap)		?		35?
22 pin RAM Board	Steve Hessel*	Ray Wong Rick Pinger*	Keith Hickox * (wire wrap)	John Youden Mike Beaver	November		40?
Prom Board	Steve Hessel*	Mike Beaver*	George Brandle	John Youden Mike Beaver	November		40?
Basic I/O Board	Steve Hessel*		Bob Schuchard* (wire wrap)		November??		45?
16 pin RAM Board	Steve Hessel						
Parallel I/O Board	Terry Gildea						
Telephone/FSK Bd.	Paul Zander						
HP-IB Board	Rich Hope*		Rich Hope*				
Prom Programmer	Len Cutler* Steve Hessel*						

*Complete

SYSTEM COST COMPARISON (by Steve Hessel)

UNIT	OUR EST. COST	ADVANTAGES OF OUR SYSTEM	COST FOR BARE BOARD & OUR PARTS	KIT	ASSEMBLED
Cabinet	\$ 80.	RFI shielding	--	\$ 200.	\$ 380.
Power Supply	80.	--	--	115.	175.
Mother Bd.	115.	Lower cross-talk and lower noise	--	160.	226.
CPU Board	45.	Fast buss signals high drive capability	\$ 65.	130.	180.
PROM Board	40.	Address anticipation for faster operation	94.	125.	150.
Video Board	115.	Many additional functions when compared to moderately priced bds.	125.	92.	190.
16K Ram	40.	Write protect, parity	70.	305.	520.
I/O + tape	45.	Tape format software controlled	--	107.	250.
Front Panel	75.	--	--	--	--

ORDER FORM FOR MOTHER BOARD

Be sure to indicate the number of connectors wanted for Mother Board.

NAME	<u>JOANNE ENGELHART</u>	Mother Board:	<u>\$ 37.00</u>
BLDG.	<u>6U</u>	2 Connectors for	
EXT.	<u>3528</u>	front panel:	<u>6.00</u>
CHECK #	<u>625</u>	<u>24</u> Connectors for	
AMOUNT	<u>\$ 115.00</u>	Mother Board @	
		\$3.00 each	<u>72.00</u>
		TOTAL:	<u>\$ 115.00</u>

Send Order Form to Mike Beaver, 25U.
Make check payable to: HP Microcomputer Interest Group.

Please Note: It will be much easier to install an adequate number of connectors on the Mother Board in the beginning rather than add on later. Remember that each connector needs 100 solder connections. The initial group can be wave soldered (automatic) but later additions must be done by hand. For most systems, 12 connectors will be sufficient; but large memory systems need more, as do systems intended for speech or music applications.