

Micro-Minutes

NEWSLETTER OF THE HEWLETT-PACKARD MICRO-COMPUTER INTEREST GROUP

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5U

March/April 1979

FUTURE MEETINGS

- Dynamic RAM's
Tuesday, April 10, 12:00 noon, 5M Conference Room

Jim Eaton of HP Labs will clarify some of the mysteries of dynamic RAM's. Jim is currently in the Special Projects Group of HP's Instrumentation Research Lab and has been involved in the design of both 4k and 64k experimental dynamic RAM's. Information store/recall and refresh processes will be explained, in addition to the external signals required to accomplish them. This is an excellent opportunity for non-physicists to learn how these gems work.

- Magnetic Recording
Tuesday, April 24, 12:00 noon, 5M Conference Room

Arie Kutzig, manager of HP Labs Magnetic Recording Department, will speak about general magnetic recording technology. Arie is a Stanford PhD and worked at Bell Labs and ISS before coming to HP. His talk will include the basic physics of magnetic recording, Winchester technology, disc products, and a projection of future disc technology developments.

FREEBIES FOR SYSTEM BUILDERS!

Due to the efforts of Dick Eichenseer, we now have the following parts on hand available free of charge for each of the 70 computer systems being built by the club:

- 16k bytes dynamic RAM -- approximately \$270. retail
- 4k bytes static RAM for video interface -- approximately \$100 retail
- 2 LSI timer chips -- approximately \$16 retail

These parts will be distributed with the finished PC boards (see Hardware Update for progress). THANKS, Dick!

HOME BREW COMPUTER CLUB MEETINGS

Future meetings of the HCC are on April 11, May 17, and June 20 in the Sherman Fairchild Medical Center Auditorium on the Stanford campus, starting at 7:00 p.m.

HELP WANTED

- Typist. To do editing on an HP 3000 system. Call Steve Hessel, 1L, ext. 2869.
- Draftsman. To redraw prom-board schematic. Call Steve Hessel, 1L, ext. 2869.
- Mechanical Engineer. To do sheet-metal layout for a keyboard cabinet (simple project). Call Steve Hessel, 1L, ext. 2869.

Anyone. To help with meeting speaker arrangements or the newsletter. This listing has appeared for 8 months. People who are already doing more than their share of work for the club are helping now, but they shouldn't have to. How about some of the other 70 who are building the club computer system: can you help out? Call Dick Nungester, 5U, ext. 4260, or just mail in suggestions for meeting topics and speakers.

HARDWARE UPDATE (3-4/79)

COMPONENT	DESIGN	SCHEMATIC	PC LAYOUT	PROTOTYPE	DESIGN VERIFICATION
Cabinet	Mike Beaver* Bill Goodman*			Lloyd Stafford	
Power Supply	Dick Ollins*			Dick Ollins*	Dick Ollins*
Motherboard	Mike Beaver*		Mike Beaver* Harley Wilson*		
Front Panel Bd.	Doug Pocius*	Cindy Pocius*	Mike Beaver	(Doug Pocius)	(Doug Pocius)
CPU Bd.	Steve Hessel*	Mike Beaver*	Jack Bamberg*	Harley Wilson*	Steve Joiner
Video Bd.	Dave Collins* Steve Hessel*	Dave Collins*	Dave Collins	(Bob Knapp)	
2-Port RAM Bd.	Steve Hessel*	Steve Hessel*	George Nelson		(Steve Hessel)
22 Pin RAM Bd.	Steve Hessel*	Steve Hessel*	Ray Wong & Rick Pinger		
16 Pin RAM Bd.	Bob McCharles	Bob McCharles		Bob McCharles	
PROM Programmer Bd.	Len Cuttler* Steve Hessel*	Steve Hessel*			
PROM Bd.	Steve Hessel*	(Rick Pinger)	(Mike Beaver)		
Basic I/O Bd.	Steve Hessel				
Parallel I/O Bd.	Terry Gildea				
Telephone/FSK Bd.	Paul Zander				
HP-IB Bd.	Rick Hope				
Keyboard Cabinet					

* Complete () Not yet begun, tentative assignments

HP Microcomputer Interest Group:

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