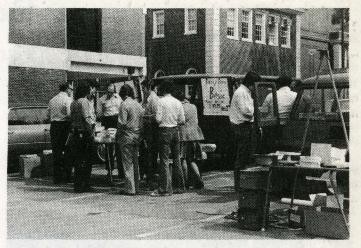
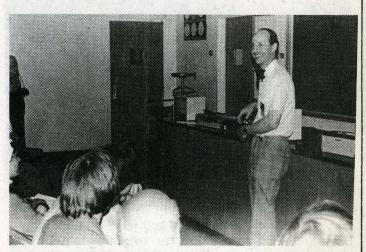
# NEW JERSEY COMPUTER FESTIVAL Over 2K hobbyists are expected to attend the May 2nd Amateur Computer Convention in Trenton, NJ. The gathering,

called the "Trenton Computer Festival," will include exhibits, technical talks, panel discussions, and (perhaps most important) ample opportunity for personal interchange. It will be held at Trenton State College.

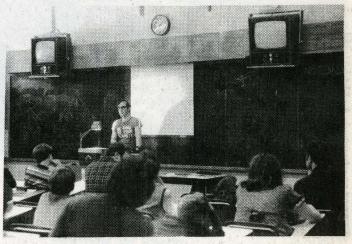
It is sponsored by the TSC Digital Computer Society, and the Amateur Computer Group of New Jersey. For details, contact: Prof. Sol Libes, Union County Technical, Scotch Plains NJ 07076, (201) 889-2000; or Dr Allen Katz, Trenton State College, Trenton NJ 08625, (609) 771-2487.



MORE flea market



DR. ROBERT SUDING talked about, and demonstrated his new Z-80 microcomputer system.

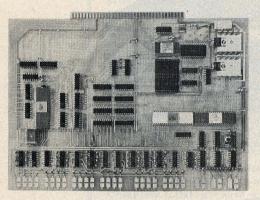


DAVE AHL (Creative Computing editor) spoke on computer games.



up to 5 mils of protective polyester coating. The company is considering the manufacture of a reader designed to read whole programs encoded on ID card magnetic stripes.

Circle 636 on inquiry card.



#### A Tutorial Training Computer

The Datac 1000 computer, controller and tutorial card is a new product available from Datac Engineering, POB 406, Southampton PA 18966. This card is available in two models, the tutorial version and the fully populated version. The tutorial version is \$185 assembled and tested, with power supply; the fully



# Attention LSI-11 People Wanting Mass Storage

Charles River Data System Inc, 235 Bear Hill Rd, Waltham MA 02154, has announced its new FD11 Floppy Disk Add-On System for PDP-11 computers as well as LSI-11 microcomputers. The system was designed to be hardware,

populated version is \$345 assembled, tested and with power supply. In either case you get a 6502 processor, an instantly usable computer with expansion capabilities, and a unique system of touch sensitive input keypads, seen along the lower edge of the board depicted in this photo. A documentation package accompanies each processor board.

Circle 637 on inquiry card.

software and media compatible with the DEC RX11 products. It includes write protect switches, unit select switches, up to four drives with one unit load on the DEC Unibus, PROM self-diagnostic programs and bootstrap loader. Track to track access time is 6 ms. Single quantity price of the drive and DEC compatible controller is \$2750.

Circle 638 on inquiry card.

#### Portable Games



For the benefit of the steadily growing ranks of pocket calculator game enthusiasts, Hewlett-Packard is offering the Games Pac I. Intended for use with the company's HP-67 and HP-97 programmable calculators, the package contains an owner's handbook (shown) and 20 prerecorded program cards. Games include Space War, Golf, Slot Machine, Dice, and a Bowling Scorekeeper. The price is \$35. Contact Hewlett-Packard, 1501 Page Mill Rd, Palo Alto CA 94304.

Circle 648 on inquiry card.

#### A New Version of the PCM-12 Microcomputer

Pacific Cyber/Metrix Inc, 180 Thorup Ln, POB 215, San Ramon CA 94583, has announced a new version of their PCM-12 microcomputer called the PCM-12A. The new unit is a 12 bit machine based on the Intersil IM6100 microprocessor, and is designed to be compatible with PDP-8

## Make the HAL Connection

- 8080A MPU
- 1K Monitor/Debug Software in 2708 EPROM or 2-3624 PROMs
- On board space for: 4K ROM (2708),2K RAM (2102A-4)
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Optional
 Accessories:
 CRT Terminal
 Board, BASIC in
 EPROM, Audio
Cassette Interface,

7K RAM Expansion Board/ EPROM Programmer, Power Supply.

MCEM-8080 from \$375 (2-3624 ROM/1K RAM) or \$445 as shown (2708 EPROM/2K RAM)

### and solve your lab or OEM computer problems

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- Connect to processor bus to add memory expansion board/EPROM programmer, I/O devices, or our unique CRT Terminal Board.
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puter system elements are incorporated in this fully assembled, tested single-board computer. Some unexpected features of the HAL MCEM-8080 are: hardware "front panel" which allows setting a breakpoint and manual control of the computer; 1K ROM Monitor/Debug Software (with user callable, Intel®compatible I/O routines) which greatly simplifies program development; Parallel and Serial I/O on the board; and very reasonable prices.

Call or write for further information on the HAL Connection. You'll be glad you did!



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"Excellent,"

"Excellent."

"Very impressed with superb quality."

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When we combined our highly praised ZPU board and our System Monitor Board, we defined the standard for the industry; we integrated more power and flexibility in two slots of our motherboard than most other systems can muster using five or more boards. When we put this setup into our rugged aluminum case we created the first XITAN system, the alpha 1. By adding a CRT terminal and/or teleprinter you will have a complete computer system.

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By adding a Z16 memory module and our PACKAGE A software to the alpha 1 we created a second XITAN system, the alpha 2. Thus, a complete and extremely powerful micro-computer system emerges well worthy of you who are operating at the most sophisticated levels. The XITAN alpha 2 provides you with 18K of RAM, 2K of ROM, 2 serial I/O ports, 1 parallel I/O port, our 1200 baud audio cassette interface as well as our extraordinarily powerful software package which includes 8K Basic, the Text Output Processor, the Zapple Text Editor and the Relocating Macro-Assembler. Add your own I/O device and GO...with the most powerful and flexible micro-computer package ever offered.

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IF YOU ARE AN ADVANCED USER, YOU WILL DISCOVER XITAN IS EXACTLY WHAT YOU NEED.

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†Write for descriptive brochure on the XITAN **alpha** series and system software. When you ask at your dealer, say "ZY-TAN."

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