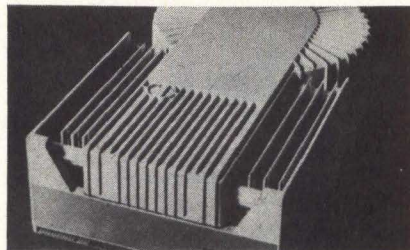### FIXED DISC DRIVE

D160, fixed disc member of the D100 family, has 2, 3, or 4 discs, and stores up to 120M bytes in a volume of 5.6 x 12.2 x 21.8" (14.2 x 31 x 55.4 cm). Three drives can be vertically mounted in a standard 19" (48.3-cm) rack. The three versions provide 60M bytes on 2, 90M bytes on 3, or 120M bytes on 4 nonremovable discs, with 4, 6, or 8 low pressure heads contained in a sealed module. Head posi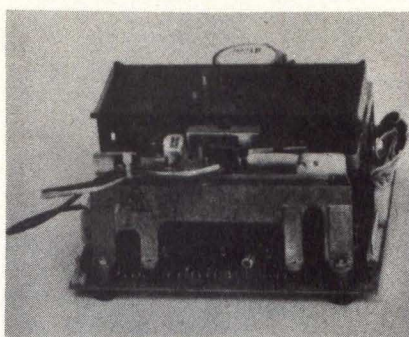tioning is performed by reading servo data inter-laced in each track. Heads automatically position themselves on required track. Densities exceed 7k bits/in (2.75k/cm) and 600 tracks/in (236/cm). MTBF is 8k h, and operating power consumption is 130 W. Drives are compatible with other D100 series units and can be intermixed on the same controller. **Cii-Honeywell Bull,** 200 Smith St, Waltham, MA 02154.

See at Booth 347
Circle 481 on Inquiry Card

MICROPROCESSOR BASED RS-232 CASSETTE SYSTEM

Storage system is composed of a master and from 1 to 3 slave drives. An 8035 microprocessor in the master handles all communication, data buffering, formatting, and drive control functions. Interfaces are RS-232-C or 20-mA current loop, with 8-bit parallel optional. Storage is up to 2M bytes/system. Search speed is 100" (254 cm)/s, with less than 10-s avg access time. 256 bytes of RAM buffer store is provided. Operation is totally asynchronous. **Analog & Digital Peripherals, Inc,** 815 Diana Dr, Troy, OH 45373.

See at Booth 3111
Circle 482 on Inquiry Card

LSI-11/LSI-11/23 BASED COMPUTER SYSTEM

MICRO II, a general purpose, small business microcomputer, houses the DEC LSI-11™ or 11/23™ CPU and 2 floppy disc drives, single- or dual-density, in a 10.5" (26.7-cm) chassis. It can support a 5M- or 10M-byte hard disc subsystem. Floppy disc subsystem is compatible with DEC RXV11 and RXV21 subsystems. **Plessey Peripheral Systems,** 17466 Daimler Ave, Irvine, CA 92714.

See at Booth 4032
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SOLID STATE CAPACITIVE KEYBOARD

Featuring low profile contactless keys, this keyboard is enabled by custom designed NMOS encoder chip. Virtually any customer requirement can be custom built. Encoder requires 5 Vdc and provides encoding capability up to 10 bits for 110 keys, 4 modes/key. Any code, including ASCII, Baudot, and EBCDIC, may be selected. Estimated life is more than 300M operations. Externally adjustable scan time range is from 10 to 80 μs/key. Noise immunity circuit distinguishes between valid key depression and noise, and hysteresis circuit eliminates keyswitch "teasing." Burst rate speed capability is 1k char/s. Options include N-key rollover or lockout, repeat for all, no, or selected keys with repeat rate up to 900 Hz, and pulse or level strobes. **Cherry Electrical Products Corp,** 3600 Sunset Ave, Waukegan, IL 60085.

See at Booth 1022
Circle 484 on Inquiry Card

6800 FLOATING POINT ARITHMETIC

The floating point arithmetic/scientific function package for the Motorola 6800 family operates on 9-digit BCD values. It is written in 6800 assembly language and is supplied on either 7- or 9-track tape in both source and relocatable object form. Argument passing and calling protocol allows use with PL/W or assembly language programs. **Wintek Corp,** 902 N 9th St, Lafayette, IN 47904.

See at Booth 4022
Circle 485 on Inquiry Card

BAND PRINTERS

300-, 600-, and 900-line/min B-Series band printers each offer a variety of 69 easily interchangeable print bands in 22 languages. 64- and 96-char ASCII sets are std; 48- and 128-char sets are optional. Units print 132 char/line; 300- and 600-line/min models offer optional 15-char/in (6/cm) density. Features include operator control and fault indicator panel, 6-part forms capability, swing out yoke and inline paper tractors for easy forms loading, paper status detecting sensors, and automatic turn-off of print band drive motor following any 30-s nonprint period. Printers are plug-compatible with DEC, Data General, Hewlett-Packard, IBM Series/1, Interdata, and RS-232-C interfaces. **Digital Associates Corp,** 1039 E Main St, Stamford, CT 06902.

See at Booth 1106
Circle 486 on Inquiry Card