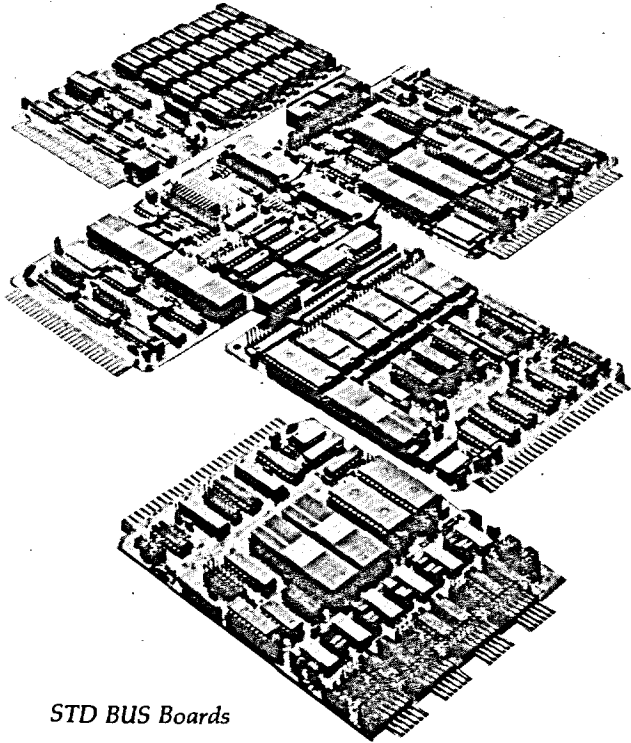


### MICROPROCESSOR BOARDS/SYSTEMS

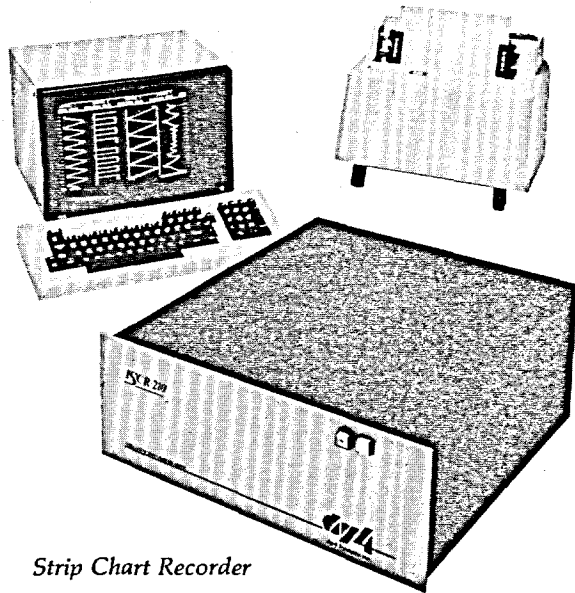
Instead of re-inventing the wheel, dy-4 has chosen to standardize on the STD-BUS architecture which has proven to be the most cost effective board level product in the industry. Utilizing the local resources of Ottawa's CAD/CAM companies and by incorporating computer generated PCB design, the company offers performance in STD-BUS modules not available from other sources. It is this broad base of STD manufacturers which brings the strength to the dy-4 line of STD-BUS compatible ORION family of microcomputers products. The ORION family's real strength lies in its system expansion capabilities through the use of these board modules with a great variety of lab and field requirements being accommodated by simply plugging in a special I/O requirement, etc.



STD BUS Boards

First model available was the ORION V STD-BUS development system, complete with Z80A microprocessor, four 8-bit parallel ports, two RS-232-C ports, 64 kbyte RAM, dual 8-inch floppy disks, CP/M operating system, system monitor, and macro assembler and linking loader. To capture a slice of the market for lower cost CP/M compatible desk top computers, dy-4 has developed the ORION I computer which includes in one desk-top enclosure, a 12-inch CRT monitor, two 5-1/4-inch floppy drives and a detachable keyboard. Standard with this unit is the Z80A processor, 64 kbyte of RAM, serial I/O channel, and CP/M. Options include higher capacity disks, 256K RAM Disk and expanded I/O.

To round out the line, there is the ORION VI computer with a 10-megabyte winchester disk, 500 kbyte floppy disk, 64 kbyte of RAM, two serial I/O channels, Z80A processor and CP/M operating system. A version of this machine has a 1-Megabyte floppy disk and expansion winchester disk subsystems can be incorporated if needed. The dy-4 System local area network (dy-NET), an SDLC high speed serial link handling up to 32 stations is also available for the ORION family.



Strip Chart Recorder

### INTELLIGENT STRIP CHART RECORDER - ISCR-210

The combining of graphics technology with microprocessor flexibility/adaptability has allowed the introduction of the Intelligent Strip Chart Recorder - ISCR-210. Displaying up to 8 channels on a RS-170 video monitor, the ISCR-210 provides 16 input channel capability with menu driven selection for display rates and ranges, base line removal and programmable alarm settings. The full 16 channels are displayable on 2 video monitors with a host of options being offered including data storage and filtering etc.

dy-4 Systems is a Canadian innovator for the application of graphics and microprocessor technologies. Write or call us today for more information on any of these five products.