plug into the main circuit board inside the machine. Cost is $750 ($500 U.S.). A set of added Basic commands can be loaded from disk to control the accessing of the extra memory. I hear from Steve Punter that a version of WordPro (Wordpro 5) will use this extra memory and allow 5 text areas of about 182 lines each. Other software expected is Visicalc with 69K of work space for the matrix!

NEW PRINTERS FROM COMMODORE

Commodore also announced two new printers. The CBM 8300P is a letter quality, daisy wheel printer at 40 CPS with a built in IEEE interface for $3500. Even more interesting is the CBM 8023P which is a 136 column, Dot-Matrix printer which is rated at 150 CPS, bi-directional with graphics. This printer is listed at $995.00 in the U.S.A. and $1495 here in Canada.

I saw the 8300P in Las Vegas while I was down there. It is a Diablo printer with no tractor included for that price. Early version were being supplied with ADA 1450 interfaces. I assume that the later ones will contain a built in IEEE interface.

The 8023P printer I have being using now for about 2 weeks as of this writing. I have included a separate review of this product.

There is also a version of the 4022 printer called the 4022P which feature bi-directional printing. The price is now $995 (Canadian). At that price and with the new feature, the 4022P is a much better buy and should be able to compete with the MX-80P.

SOFTBOX FOR CP/M

Small Systems (USA) Inc have announced the SOFTBOX which is a package to allow CP/M to run on the PET. This device plugs into the IEEE port and CP/M is loaded from disk. Some of the specs are:

CP/M version 2.2
Z80 running at 4Mhz (no wait states)
60K Ram
Runs on 2000,4000 and 8000 series PETS
Can run up to 8 CBM disk drives
Optional RS232 ($95 U.S.)
Corvus Disk Interface ($95 U.S.)

The total cost of the SOFTBOX is $795 in U.S. funds.

HARD DISK CONTROLLER

Also announced by Small Systems Inc **15**

for $650 in U.S. funds is an intelligent controller for up to four Corvus Winchester disk drives. Each drive can have either 5, 10 or 20 million bytes. The controller is DOS 1 2 compatible, 16 Megabyte files (relative or sequential) and over 2000 programs or files allowed on a five Meg drive. The Corvus Mirror option is supported and gives a fast, inexpensive means of backing up the data using a video cassette recorder.

MATOR SHARK

This is another hard disk systems for the PET and was developed in England. The basic system at 22 Megabytes sell for $6500 in the U.S.A. ($10,000 here?) and can run Commodore PET DOS ..5 Emulation (ie 8050).

COMMODORE HARD DISKS

Commodore also announced two new hard disk units at the Las Vegas Computer show. They are the 9065D and the 9150D which are both based on 5 1/4 inch Winchester technology. They provide 5 and 7.5 Megabytes of formatted data respectively. Both drives contain a built-in IEEE-488 interface and are compatible with the disk commands found on the 4040 and 8050. The retail price is expected to be about $4000 in Canada for the 5 Meg drive.

8032 NEW PRICE

The 8032 has finally been reduced in price to match the price reduction in the U.S.A. done several months ago. The new list price is $2195 instead of $2495 effective January 1st 1982. What I would like to know is why it took Commodore Canada so long to do this. The 32K 'FAT' 40 and the 8032 are almost identical in the way they are built so why the $400 price difference. Why not buy a 'FAT' 40 and for $80 in parts convert it to an 80 Column machine.

8023p PRINTER

Chris Bennett

Just a couple of weeks ago, at the end of December, I aquired the new Commodore 8023P printer. Overall I have been very pleased with it and intend to sell my other printers since it can handle all of the work I need to do. Some of its feature include:

6 to 16 inch Tractor feed
Friction feed for letterhead
150 Character/Second
Bi-directional with logic seek
Condensed print of up to 250 characters