

PEGASUS NEWSLETTER NO. 2

GOOD NEWS!! We have been informed that there will be no sales tax on any of our software products - hence a new price list. See the back page for the list of games available at very reasonable prices.

Big BASIC is now a reality. It is to be provided on EPROM from 1st September but - it needs the EPROM EXPANDER.

All the goodies are there - floating point, strings, etc. The prototype version is running in the lab and production versions are to be made when a couple of idiosyncrasies (bugs) have been eliminated.

The WORD PROCESSOR is all go. We like it so much we thought you should see its results. This program is a joy to use and really worth while. Available on EPROM.

BIG NEWS for schools. Two exciting new products are now operational and go on display next week. PERSEUS is our new NETWORK CONTROLLER and HERMES is the new specialist work station to go with it.

And BIG NEWS for the hobbyist!!

A PEGASUS KITSET for only \$698.00 - can you beat that!

Parts are guaranteed but you'll have to guarantee your own assembly. Contact your dealer or write for more information.

COMPUTER MACHINERY LTD

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36 CHESHIRE STREET
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AUCKLAND

SOFTWARE NEWS

MONITOR 2.0

The MON 1.2 mentioned in the last newsletter has been renamed MONITOR 2.0. This version includes the following features

- 1) Graphics are easier to use from all Pegasus high level languages without adding external low level routines. For example, in BASIC, a character may be programmed into the graphics RAM by `PRINTCHR(27),CHR(N)`, followed by 16 `PRINTCHR()` commands for the 16 bytes for the character (N is the number of the character). Graphics characters may be read from the RAM also. Full documentation plus character creator programs in BASIC and FORTH are provided when you purchase the GRAPHICS OPTION.
- 2) The MONITOR now clears all memory on powerup but not on RESET
- 3) The WORD PROCESSOR requires the new MONITOR
- 4) The cassette routines now have incorporated a phase-locked loop type of synchronisation. This allows programs to be loaded more reliably if your cassette player has excessive WOW
- 5) The GETLINE routine causes control characters to be ECHOED but does not put them in the buffer. This eliminates the ERR 4 in BASIC when you use a control code and then type in a line.
- 6) The ECHO and INPUT routines can be revectorred to allow, for example, BASIC routines to output to a printer.

WORD PROCESSOR

This NEWSLETTER was written with the aid of the PEGASUS WORD PROCESSOR and printed on the EPSON MX-80 printer. If you are buying a printer or have access to one, the WORD PROCESSOR is extremely useful.

PROGRAM OF THE MONTH

Probably everyone is so busy writing innovative programs that you haven't found time to send us examples. For the price of postage, and a byte of your time you could get your name and program in print for the next NEWSLETTER.

FORTH USERS

FORTH has integer arithmetic; on startup, numbers are in the signed mode (-32768 to +32767).

For DOUBLE PRECISION numbers, try the following:

To enter a DOUBLE PRECISION number, type a full stop immediately following the number. e.g. 123456.

To ADD use D+ To print the answer, use D. To subtract use DMINUS D+

e.g. 35000. 45000. D+ D. gives 80000

35000. 45000. DMINUS D+ D. gives -10000

HARDWARE UPDATE

EPROM EXPANDER

The EXPANDER board plugs into the EPROM sockets used for languages on the main board. The MONITOR remains as is. The EXPANDER board provides sockets for 12 additional EPROMS switched in pairs with a rotary switch. A software switched version is expected to be available shortly. Then you may simply switch from BASIC to FORTH to PASCAL etc. without removing EPROMS. A modified version allows use of one 16K language (ie XBASIC) and four 8K blocks.

64K RAM BOARD

The prototype has been done and tested, and a production run is imminent. The board provides 64K selectable in 4K blocks (a software switched version is under consideration) The standard memory map leaves the monitor, I/O and onboard RAM intact, but replaces all else by RAM (ie 52K from the 64K board + 4K on PEGASUS = 56K). However, the user can modify this as he wishes, to leave language ROMS intact, or replace monitor by RAM, etc.

PRICE LIST (15 August 1981)

Product:	Suggested Retail	Price to Schools
4K PEGASUS KITSET	698.00	521.00
4K PEGASUS with BASIC	998.00	815.00
64K EXPANSION BOARD	895.00	664.00
CALCULATOR CHIP	89.00	68.00
ROM EXPANSION	135.00	103.00
GRAPHICS OPTION	62.00	48.00
I/O EXPANSION 2 PORTS	135.00	103.00
4 PORTS	185.00	141.00
SERIAL INTERFACE	150.00	114.00
EXTENDED BASIC	120.00	120.00
ASSEMBLER/DISASSEMBLER	70.00	70.00
FASCAL	100.00	100.00
FORTH	100.00	100.00
WORD PROCESSOR	70.00	70.00
GRAPHICS GAMES (CASSETTES)		
TANK, GALAXYWARS, SNAKE, DRAGON, STARTREK	12.00 EACH	12.00 EACH

The new 64K HERMES is going on display for the first time at the course to be held at the Teachers' Training College (Epsom) the first week of September '81. Also on display is the new PERSEUS NETWORK CONTROLLER which can handle up to 32 independent work stations. Quotations given on application.

SALESPERSON of THE MONTH

She had nothing else to do last Saturday morning (no protest march to go to) so she sold TWO Pegasus in 3 hours. JOY DANFORD is the lady and selling is not her game for she's our Production Manager.

4K PEGASUS KITSET Please write for details. NOTE: Assembly of the kitset is not recommended for the inexperienced. There could be someone in your area who could help with assembly and testing.

We welcome letters and comments for the newsletter. Our address is on the front page.