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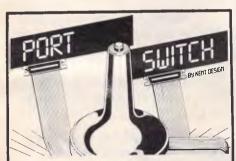
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CHIP CHAT

Altair 8800, the first mass-produced microcomputer (1975).

- (2) Michael Shrayer the Electric Pencil package had to be customised for different processors, video boards. and memory sizes.
- (3) Ken Uston he is banned at most casinos throughout the world and turned to computers two years ago.
- (4) Chuck Peddle his brief stint at Apple in 1980 didn't work out; now he has founded NNA (No Name Available, so called because every name he tried to get was already registered).
- (5) Nolan Bushnell after founding Atari and selling out to Warner in 1980, his later ventures haven't fared so well.

The November 'Prize Crossword' winner is T Robinson and the solutions

ACROSS

3 Negation 6 Firmware 7 Stores 8 Set 9Blow 10Director 12Parity 13Program 15 Failure 17 Wafers 18 Magnetic 22Read 23End 24Divide 25Computer 26Generate

DOWN

1Writer 2Tablet 3Network 4Automation 50perator 6Fused 11Card reader 14Real time 16Embrace 19Grammy 20Twenty 21 Coder

BLUDNERS

For those of you trying to run Connect-Four for the Commodore 64, you might find this subroutine useful which was omitted from the August issue of APC. 1749

1750 REM: EVALUATE X,Y

1760 E=EC (X)

1770 FOR D=0 TO 3:Q=X (D) :R=Y

1780 FOR C1=1 TO 2:N=0: I=X+Q: J=Y+R

1790 IF B(I,J) <>C1 THEN 1820

And from Chris Stamboulidis who submitted the program 'Mini Calc' published in the October issue of APC: "There was one point which I omitted to mention in the documentation.

When writing numerical constants during the entry of functions, ensure that they are enclosed by '<' and '>'.

For example, to multiply the contents of cell 2,4 by 0.3, you would write: [2,47]*<.37>"

Also, the SAVE routine should be modified to prevent possible problems with 'INPUT#'ing strings with commas inside them. The following lines should now read:

970 INPUT "HIT <RETURN> TO SAVE"; NA\$:FOR T % = 1 TO 9: FOR Y%= 1 TO 43

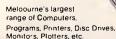
980 PRINT#"MIN",CHR\$(34)L\$(T%, Y%),CHR\$(34)I\$(T%,Y%): NEXT:NEXT 990 GOTO 170

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