## **APPLICATION/HISTORY OF THE MICROPROCESSOR**

## Chip Chart Microprocessors have evolved from two main sources: those stemming from the original Intel microprocessors and those from Motorola's rival 6800 chip. This chart shows the way the chips developed, as well as some of the machines in which they have been used. Many of the less well-known chips appear in the less popular appear in the less popular micros. The Apple III is perhaps the only business machine to use a 6502 processor. The Olivetti M20 is the only general-purpose micro to use a 28000. In both cases, the unusual choice of microprocessor and its consequent lack of software has inhibited the success of the machine. Some immensely successful machines, like the IBM PC, have the effect of making a chip very popular 6809 6809: Mororola's own enhancement of the 6800 is the 6809, arguably the most capable of all eight-bit chips. However, it was too late to have any real impact and as a result has only been used in a few machines. few machines

68008

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6502

GBOD: The 8080's rival, with similar capabilities but a complete different design philesophy. Two schools developed: those who preferred the Inte 8080 approach and those who preferred Motorola's 6800 way of working

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68000:11 e success of Motorola's highly-acclaimed 16-bit chip has been hampered by the lack of cheap software and the dominance of the 8088. However, Sinclair has chosen the scaled-down 68008 version for its QL



