

What's New?

Microsoft Announces 8080 FORTRAN IV Compiler

Microsoft has announced a FORTRAN IV compiler for the 8080 microcomputer. Called FORTRAN-80, the compiler is a full implementation of ANSI Standard FORTRAN with the exception of the double precision and complex data types.

FORTRAN-80 provides three data types including: logical (1 byte), integer (2 byte), and real (4 byte floating point). An extended version of FORTRAN-80 with double precision and complex data types is forthcoming.

The compiler generates pure, relocatable code which may be placed in ROM. The run time package may also be placed in ROM. This 1 pass compiler requires less than 12 K bytes of memory,

the run time system less than 6 K bytes.

A relocating linking loader is included with the FORTRAN package so that subprograms may be compiled separately and linked at load time. This also means that only the specific subprograms required are loaded (including system subprograms).

Another part of the package is a relocating assembler and an assembly language debugging program. The assembler may be used to produce FORTRAN compatible subprograms. The debugging system may be used with the load map produced by the loader to debug FORTRAN and/or assembly language programs.

Additional features of Microsoft FORTRAN-80 include:

- Multistatement code optimization.
- Mixed mode expressions.
- All standard FORTRAN library functions for reals and integers.

Individual copies of FORTRAN-80 may be purchased for \$500 including documentation. The manual is \$15; OEM (original equipment manufacturing) licenses are available. Contact Microsoft, 819 Two Park Central Tower, Albuquerque NM 87108.■

Circle 644 on inquiry card.

Prototype Cards for SWTPC 6800 Bus

Two prototyping boards for either wire wrap or soldertail and wiring pencil are now available from Personal Computing Company, Dallas TX. These boards are either IO size or memory size. Since they use Molex connectors at the bus interface, they are compatible with the SWTPC bus structure and mother board. In addition, other connectors are provided to allow off board and IO functions.

The cards are arranged in rows of holes with the holes on 0.1 inch (0.25 cm) centers and the rows on 0.3 inch (0.76 cm) centers; no pads are dedicated to either power or ground; however, power and ground buses are provided throughout the card. Bypass capacitor locations are provided to eliminate power line noise. Two regulators can be installed in special locations on the memory size card. The IO size card has provision for one regulator. The memory size card is \$19.95, and the IO size card is \$9.95. Contact Personal Computing Company at 3321 Towerwood, Dallas TX 75234.■

Circle 650 on inquiry card.

A New Catalog from E & L Instruments

The Complete Bugworks Catalog is the name of E & L Instruments' new publication describing such items as solderless breadboards, op amp designer modules and socket boards. The Bugbooks series, which teaches electronics and microcomputer theory, is also offered. Copies of the catalog may be obtained by writing to E & L Instruments Inc, 61 First St, Derby CT 06418.■

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How to Sell Your Product

The Handbook on Marketing for Electrical Engineers is a 127 page soft-cover manual available from Schoonmaker Associates, PO Drawer, Coram NY 11727, for \$25.50. The book discusses the marketing of technical products and covers such topics as product planning, pricing, sales forecasting, publicity and tactics for the small company. Additional titles on related subjects are also available.■

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Computer Warehouse Store Catalog

The Computer Warehouse Store, 584 Commonwealth Av, Boston MA 02215, is perhaps the largest new and used computer equipment store in the world. Their new catalog (of similar proportions) lists a wide range of brand name kit and assembled computer products. In addition, there is much tutorial information along with microprocessor comparison charts and a multitude of onetime bargains. This is a true computer hacker's "wishbook" of useful equipment and accessories. The catalog is available free from the above address.■

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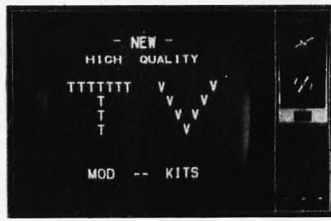
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