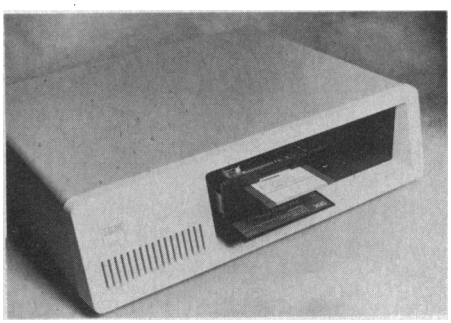
3.5-Inch Disk Drive for IBM Computers

The ND354A disk drive may be installed in IBM-PC and compatible computers to allow them to accept 3.5-inch floppy disks.



The user may then take advantage of the rugged and compact 3.5-inch disk with its higher storage capacity (720 kilobytes) without changing computers or operating systems. Files and software can now be transferred to and from portable personal computers. The disk drive comes with a conversion kit. Toshiba. Circle 545.

Faster, More Powerful XT

The personal computer XT model 286 is an upgraded XT featuring increased memory, an Intel 80286 microprocessor, and up to three internal drives. Model 286 operates up to three times as fast as earlier XT models and comes with 640 kilobytes of memory. Memory is expandable up to 12.6 megabytes. Standard features of the model 286 include an enhanced keyboard, a serial-parallel adapter card, a 20-megabyte fixed hard disk, and a 1.5-megabyte disk drive for 5.25-inch double-sided disks. An optional second internal disk drive may be a 5.25-inch double-sided disk drive with either 360 kilobytes or 1.2 megabytes of storage capacity or a 3.5-inch, double-sided disk drive storing 720 kilobytes. The computer also supports a 3.5-inch external disk drive. A 3.5-inch disk drive allows the computer to share disks with convertible and portable personal computers. The model 286 requires DOS version 3.2. IBM. Circle 546.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers' Service Card and placing it in a mailbox. Postage is free.

DNA Sequencing Software

Recombinant Toolkit is a user-friendly software package for analyzing DNA and amino acid sequences. Its "restrict" function finds recognition sites for groups of restriction enzymes. The "search" function seeks special cases of restriction, while the "reverse translation with restriction" function finds every recognition site for peptides or proteins up to 1000 amino acids long. Other features include translation, update restriction enzyme, count-codon usage, start-stop-renumber, input, output, and notepad. To operate, Recombinant Toolkit requires an IBM PC, XT, AT, or a true compatible with a minimum of 256 kilobytes of random access memory, DOS 2.0 or later, and a hard disk. Elsevier-BIOSOFT. Circle 547.

C Language Incremental Compiler

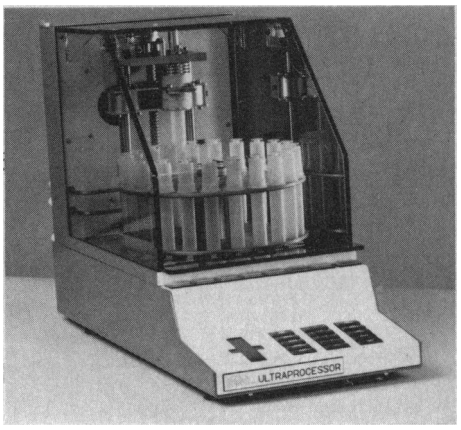
Instant-C 2.0 compiler processes only those parts of a C language program that the user changes, rather than all the source code files. It combines the interactive environment and ease-of-use of an interpreter with the execution speed of a compiler. Programmers may create new programs and maintain or extend existing programs. Instant-C incorporates a printer, full-screen editor, source level debugger, object code linker, source code checker, and a run-time checker, which includes checking invalid or null pointer references and array bounds. The program development cycle is considerably shortened because the link step and intermediate disk files are eliminated, all the tools are integrated so they work together, and the editor, compiler-interpreter, and debugger all reside in memory at once. Also, incremental compilation enables programmers to recompile only what they have changed; thus, compilation time is proportional to the size of a single edited function rather than to the size of the source code files. Instant-C 2.0 operates on the IBM-PC personal computer, its compatibles, and any other system with MS-DOS or Concurrent-DOS. Rational Systems. Circle 548.

Automated Spectrometer

The Gemini FT NMR is an automated spectrometer designed for proton and carbon experiments. Its menu-driven user interface enables even novice users to obtain results to complex nuclear magnetic resonance problems quickly and easily. Other aids to the user include extensive self-diagnostic capabilities, many automated NMR experiments (including HETCOR, HC APT, and DEPT), and the option to type commands rather than choosing from the menu. The Gemini FT NMR may be linked with other Gemini spectrometers, as well as with VXR spectrometers and DEC VAX computers. Varian Associates. Circle 549.

Automated Tissue Processing

The 3189 Ultraprocessor is a compact, automated tissue processor. It contains a built-in rotating carousel that is controlled by computer and has a capacity of 64 filled



and sealed reagent vials. Specimens are moved from vial to vial without cross-contamination. The 3189 Ultraprocessor accommodates all specimens embedded in resin, whether destined for light or electron microscopy. RMC. Circle 550.

Literature

High-Purity Solvents is a five-section brochure listing performance data and applications for a line of solvents. American Burdick & Jackson. Circle 551.

X-SPECT 6150 describes a personal computer–based, modularized x-ray fluorescence analysis system. EG&G Ortec. Circle 552.

1986 Annual Catalog for Industry and Education presents 132 pages of optical and science products, including glass, prisms, meters, microscopes, telescopes, binoculars, and photography accessories. Edmund Scientific. Circle 553.

Catalog #1786: Quality Measuring Instruments and Precision Tools comprises 448 pages of electronic, mechanical, and optical precision instruments. Fowler. Circle 554.

XA-1000 describes a continuous-simulation work station that uses a graphical, block-diagram approach to simulation. Xanalog. Circle 555.

Products & Materials

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