

Benchtop Gas Chromatograph Mass Spectrometer

Incos 50 offers microprocessor control and Incos applications software. It offers 4- to 1000-unit mass range; foreground-background data processing and rapid library search. Menus assist even novice operators. It may be used with virtually any gas chromatograph and column type. Samples may be introduced via desorption or other solids probes, autosampler, or automatic liquid sampler. It may be set up for electron or chemical ionization. The user has access to all data processing, display, and library search programs during data acquisition. The electron multiplier has twin 5-kV conversion dynodes to enhance sensitivity at high mass. Incos 50 is particularly well suited to drug screening, toxicological analyses, environmental monitoring, and providing analytical support for chemical laboratories. Finnigan MAT. Circle 586.

Mathematics Software for Personal Computer

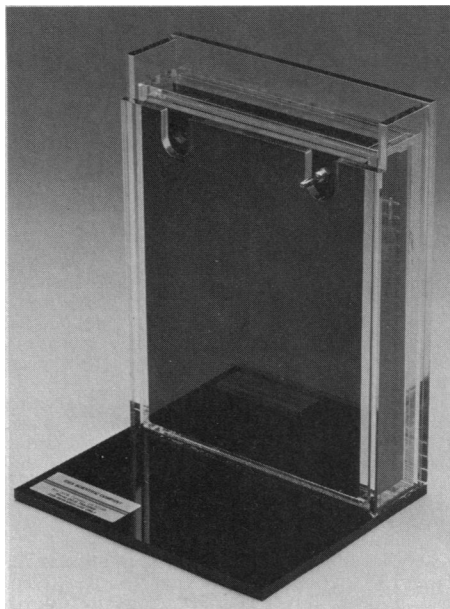
SciMath is a command-driven scientific mathematics program for IBM PC (and compatible instruments) which allows the user to perform calculations without programming. One may evaluate complicated expressions and symbolically define and manipulate functions of up to 20 variables. New functions may be defined by giving a table of function values and allowing SciMath to perform higher order interpolation in that table. Commands may be used to solve transcendental equations, perform numerical differentiation and integration, sum series and evaluate repeated products, and do curve fitting and statistics. One may also solve systems of simultaneous linear equations and perform a variety of other vector and matrix operations including matrix inversion, computing determinants, and finding eigenvalues and eigenvectors. With SciMath, one can define and solve arbitrary systems of differential equations whose solu-

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.

tions may be treated as defined functions subject to all SciMath operations. There are graphics features as well. There is an integral programming language that allows the user to create new applications. Spindrift Software. Circle 593.

Electrophoresis Blotting Apparatus

GENIE performs Western blots in 30 minutes. Plate electrodes assure field uniformity. These plates consist of a thin layer of platinum on a titanium base. The GENIE



uses less than 1 liter of buffer but it can blot gels up to 17 cm long. The device also features an insertable loading tray for submerged bubble-free loading. Idea Scientific. Circle 589.

Bibliographic Software

Editor is a menu-driven package designed to prepare and reformat bibliographic references. References may be listed in 15 styles supplied with the program. Included are styles required by the American Medical Association, the American Psychological Association, the Council of Biology Editors, and the editors of *Science* among others. Users may design their own styles, too. Bibliographic data may be entered via keyboard or from other software. The user designs page layout and chooses type specifications. There are five sort options including by author in chronological and reverse chronological order. It runs on IBM PC and compatible computers. Institute for Scientific Information. Circle 585.

Peptide Synthesizer

Model 9500/AT is an automated peptide synthesizer controlled by an IBM PC AT work station. Sequence-Driven software helps define the optimum coupling scheme for each individual amino acid addition. The work station may be connected via a modem to databases to retrieve peptide and protein sequences and to utilize software to evaluate tertiary peptide structure or to translate DNA sequences to their protein equivalents. Model 9500/AT is provided with *t-boc* and *Fmoc* synthesis protocols. It will accommodate user-defined protocols, too. Biosearch. Circle 588.

Programmable Viscometer

Rheoset is a rotational, continuous sensing instrument accurate to within 1 percent of range. It may be operated manually or in a programmed-command mode by users without programming experience. It is compatible with all standard Brookfield spindles and accessories. It indicates viscosity, percentage torque, absolute torque, spindle speed, shear rate, temperature, elapsed time, and more. It is programmable in BASIC with 32K bytes of RAM to permit the design of solutions to complex rheological problems. It may be interfaced to laboratory computers. Brookfield Engineering Laboratories. Circle 594.

Database for Chemists

DATALYST will accommodate vendor information and chemical formulas and will read and access chemical structure files. It requires an IBM PC or HP 150 with MS-DOS 2.0 higher and 256K of internal memory. DATALYST is a standard text-oriented database whose structure may be modified by the user. It is available on diskette. Hawk Scientific Systems. Circle 584.

Literature

Plasticware includes a guide to the structure and properties of resins, a chart of the chemical resistance of plastic resins, and a guide to the uses and care of plasticware plus nearly 100 pages of laboratory products. Cole-Parmer Instrument. Circle 595.

Products for Research lists Teflon laboratory equipment from fluorocarbons such as PTFE, FEP, and PFA in the usual white and newly available translucent Teflon. Berghof/America. Circle 596.

Science

Products & Materials

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