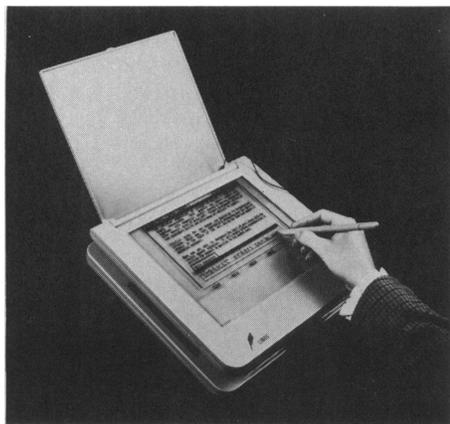


Handwriting Recognition System

Write-Top is a hardware and software system that accepts handwritten data input. The user writes on the display with a stylus. The handwriting is digitized, and a character-recognition algorithm converts the written symbols into ASCII. Handwriting can be converted to ASCII at a speed of two symbols per second. Write-Top learns each user's handwriting, including shorthand



symbols and scientific notation. Signatures and sketches can also be digitized. The entire unit weighs 4 kg, and its battery can operate for 7 hours before recharging is necessary. It has an 80-character 25-line display. Write-Top has a serial RS 232-C port, a parallel port for a printer, a keyboard port, a floppy disk controller, and a connector for memory cards. An internal modem, internal disk drive, and external disk drive are optional. Linus Technologies. Circle 556.

Nucleic Acid Analysis

The Non-Isotopic System for Nucleic Acid Hybridization and Detection visualizes nucleic acid hybridizations by biotin-streptavidin interactions in DNA blots, RNA blots, and dot blots. The nonradioactive system contains biotin-labeled probes, reagents, and nylon membrane. The probes, when frozen, remain stable and usable for a

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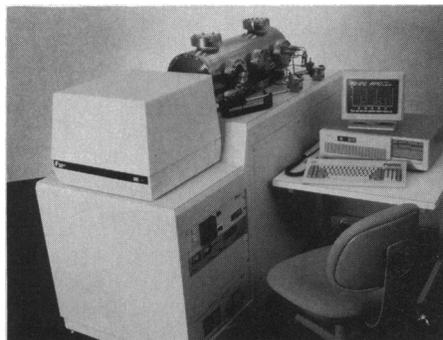
year. The nylon hybridization membrane has a positively charged surface that can bind many human DNA fragments of a wide range of molecular weights. Nucleic acid levels as low as 0.18 pg per fragment can be detected in less than 6 hours. Oncor. Circle 560.

Vacuum Blotting System

The VACU-AID is a vacuum blotting system that operates under a wide range of vacuum pressures and is designed to use buffer sparingly. It can transfer nucleic acids onto nylon or nitrocellulose membranes in 15 to 30 min. The transfer area is 23 cm by 23 cm. Either a special blot processing pump or ordinary water pressure will operate the system, and individual vacuum masks can be cut to the customer's specification. Hybaid (United Kingdom). Circle 563.

MS-MS System

The Ion Trap Mass Spectrometer finds specific or unknown analytes in organic chemical mixtures. The spectrometer is under complete computer control, and all instrument parameters are software program-



mable. The user specifies the experimental sequences for the desired analysis on an IBM PS/2 model 30 or a PC-compatible computer. The spectrometer can operate in electron ionization mode or chemical ionization mode and can switch between the two with no change of hardware. Finnegan MAT. Circle 572.

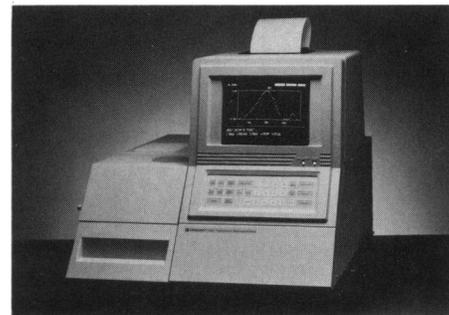
Protein A HPLC Column

The Gamma-HPAC Protein A Column for high-performance liquid chromatography (HPLC) can complete a separation cycle in 10 min. The affinity matrix in the columns contains protein A coupled to a nonclogging wide-pore 30- μ m silica solid support. The column is stable at pH 2.0 to 10.5 and is compatible with high-molarity

aqueous chaotropes and organic solvents. Nonspecific binding of proteins, nucleic acids, and lipids to the matrix surface is rare. The column may be reused more than a hundred times. The column comes in sizes of 100 mm by 4.6 mm, 250 mm by 4.6 mm, and 250 mm by 21.6 mm, respectively; these sizes can bind 16, 40, and 750 mg of immunoglobulin G per cycle. Zymed Laboratories. Circle 576.

Scanning Fluorescence Spectrophotometer

The model F-2000 is a scanning fluorescence spectrophotometer with a horizontal beam and a slew rate of 200 nm/sec. Its 9-



inch video display terminal can display graphics, and the F-2000 has a built-in printer-plotter. A prescan function automatically selects the wavelength maximum for excitation and emission spectra and eliminates erroneous selection of Raman and second-order bands. Its quantitative analysis software has multistandard working curves for as many as ten replicates. Another software program compensates for shifting wavelength baselines. Hitachi Instruments. Circle 557.

Literature

Miniature Inert Plug Valves & Fittings is a catalog of valves, fittings, adapters, and valve drivers-positioners. Hamilton. Circle 450.

Rapid Kjeldahl Methodology describes a method for determination of nitrogen in water. Labconco. Circle 454.

The *Total Laboratory Control for the 90's* brochure features an integrated system of laboratory air pressurization equipment and fume hoods. Anemostat Systems Group. Circle 455.

Chromatography Instruments and Systems is a 28-page catalog of gradient and isocratic liquid chromatography systems, pumps, autosamplers, detectors, computing integrators, and software. Spectra-Physics, Autolab Division. Circle 457.

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Science **241** (4866), 739.
DOI: 10.1126/science.241.4866.739

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