new products

Refuse shredder compacts glass bottles, plastics, steel wire, strapping, corrugated, wood and tin cans to one-gallon size. The shredded scrap is deposited in a bag or other container, and the reduction in volume is up to 90%. The unit has wide industrial application, and waste material may be separated before shredding or may be fed in as mixed refuse. The shredder is equipped with a timer and an automatic rejector.

Heisler Machine & Tool Co.

Circle No. 50 on Reader Service Card

Oily beach cleaner is capable of cleaning and reclaiming more than 700 tons of beach sand a day. The cleaner requires a single operator plus the support of conventional earth-moving equipment and is self-contained on a trailer towed by a conventional truck-tractor. The unit utilizes salt or fresh water, and separates oil from beach sand by a froth-flotation process. Clean sand and water are returned directly to the beach while liquid oil is temporarily stored for later disposal.

Environmental Sciences

Circle No. 51 on Reader Service Card

Ultrafiltration system is used for dewatering of proteins, separation of macromolecular solutions or colloidal suspensions, desalting and cold sterilization. The system can filtrate up to several hundred liters daily, and the stainless ultrafiltration module accommodates up to 0.75 ft^2 of ultrafiltration membranes of microporous filters. Featured also is a thin-channel configuration and air operated diaphragm pump.

Amicon Corp.

Circle No. 52 on Reader Service Card

Illuminator offers variable intensity with a built-in daylight filter. The high intensity, low-voltage unit is suitable for many applications in the life sciences, biology, microbiology and related fields of investigation presently pursued in high school, university, medical and clinical laboratories. The illuminator features a three-position, 115-V AC variable intensity external transformer.

Bausch & Lomb

Circle No. 145 on Reader Service Card

Clean air generator consists of a high performance environmental control system controlling ambient air to precise temperature and humidity levels. A companion unit passes the outgoing air through a series of ultra-filters that remove dust, bacteria and odors to provide "clean air." The unit is suitable as a pure air reference standard and is recommended for biological, chemical and air pollution research and for critical environmental control applications.

Scientific Systems Corp.

Circle No. 53 on Reader Service Card

Pollution test kit enables children to perform scientific experiments to determine the presence of contamination in air, water and soil. The kit contains chemicals and apparatus that permit more than 200 hours of testing for foreign materials. It was designed so that students aged 8 to 14 may themselves perform all experiments without supervision.

Envirco Inc.

Circle No. 146 on Reader Service Card

Digital clock is capable of operating on either AC or DC power and is designed for precision measurement of real or elapsed time. The instrument displays seconds, minutes, hours, and, as an option, days. Timing pulses can be advanced or retarded at the rate of 10 milliseconds per second for precise real-time synchronization. The clock also provides for electronic synchronization with wwv. A special switch allows the display to be turned off to reduce power consumption to a minimum during portable operation.

W. F. Sprengnether Inst. Co.

Circle No. 54 on Reader Service Card

Carbon monoxide detector is a sensitive and visual indicator of the presence of this deadly gas. It detects and indicates in seconds concentrations of as little as 0.02 of 1% of the gas. The indicator regenerates itself and is again ready to detect the renewed presence of carbon monoxide. The detector has a life of one month after unsealing.

Ward International Inc.

Circle No. 56 on Reader Service Card

High-pressure flow meter is able to measure accurately very low flows at high operating pressures. The unit operates on the principle of displacing an inert liquid in a measuring tube and counting pulses thus produced with a photoelectric type sensor. The fluid is alternately returned to an internal chamber by a unique by-pass arrangement, and flow is read on a digital counter. Six standard models are available in two pressure ranges of 700 to 7,000 psi and 1,400 to 14,000 psi.

American Hofer Inc.

Circle No. 57 on Reader Service Card

SO_2 analyzer measures sulfur dioxide in ambient air, and is designed to fill a void between the wet manual and continuous equipment methods used to date. The instrument produces an integrated answer within 60 seconds on a direct-reading dual-scale meter. The unit's standard range is 0 to 0.5 ppm or, with slight adjustment, 0 to 1.0 ppm. Typical applications include monitoring plant perimeters, plume tracing, source finding, investigative research, industrial hygiene and continuous sampling.

Research Appliance Co.

Circle No. 58 on Reader Service Card

Digital integrator functions with gas chromatographic peaks as short as one second and with liquid chromatographic peaks as long as two hours. It features a built-in printer with three-digit retention time and five-digit integral. It integrates to 50,000 counts per second, and has a buffer storage register, automatic baseline compensation and automatic digital filtering. The peak detector sensitivity can be adjusted over wide ranges, and an adaptive logic circuit automatically optimizes integration for different peak shapes.

Instrumentation Specialties Co.

Circle No. 59 on Reader Service Card

Bulk tape eraser provides quick, easy and absolute erasure of any unwanted signal on magnetic recording tape or film. The unit is designed for use on ¼", ½" tape and 35mm magnetic sound film and all cassette configurations. It is also used to remove residual magnetism from record-playback and erase heads, and operates at 100/130 volts, 50/60 Hz.

Amplifier Corp. of Amer.

Circle No. 60 on Reader Service Card

Recording salinometer provides for continuous unattended in-situ measurement of salinity and temperature of coastal and estuarine waters to depths of 1,000 feet. The sensor covers a range of 0-45 parts per thousand to an accuracy of ± 0.1 parts per thousand and is based on a measure of the refractive index of a saline medium at the interface with a glass prism. The output of the salinity and temperature sensors is analogue baragraph data photographically recorded on magazine loaded film. Recording rates are from one frame per 10 minutes to one frame per hour; advance is controlled by a special timer offering a maximum unattended recording period greater than eight months at one frame per hour.

Environmental Devices Corp.

Circle No. 55 on Reader Service Card

Marine aquarium is a closed circulation system designed and engineered to provide the three environmental factors critical for maintaining healthy marine specimens. The unit offers controllable circulation and temperature plus both biochemical and physical filtration. A wide variety of marine specimens can be sustained in the tank over long periods of time, even through the process of regeneration and reproduction.

Jewel Industries Inc.

Circle No. 147 on Reader Service Card