EQUIPMENT NEWS

All inquiries concerning items listed here should be addressed to Science, *Room 604, 11 W. 42 St., New York 36, N.Y. Include the name(s) of the manufacturer(s) and the department number(s).*

■ DIGITAL RATEMETER can be used with scintillation counters, Geiger tubes, and proportional counters. A high-voltage supply that is variable from 300 to 3000 v provides current to operate the auxiliary detectors. Input sensitivity is adjustable from 0.2 to 5.0 v. Range is from 0 to 100,000 counts. Time of read-out can be varied from approximately 1.5 sec to 5.0 sec as desired. At the end of each read-out period, the instrument automatically resets itself and displays a new rate of count. (Technical Associates, Dept. S96)

■ ELECTROMECHANICAL MANIPULATOR is designed to provide fully remote operation. The distance between the operator and the "slave" is determined by the length of the interconnecting electric cable. A television monitor can be used to present a display at the control console. Electric controls for indexing and locking the manipulator are provided. (Borg-Warner Corp., Dept. S97)

■ X-RAY DIFFRACTION BROCHURE discusses basic theory (Bragg's law), definitions, analytic advantages, and applications in metallurgy, chemistry, mineralogy, physiology, pathology, and biology. Included are typical patterns of Laue, rotating crystal, and powder methods of crystal study. (General Electric Co., Dept. S41)

■ HEAT-RESISTANT RUBBER withstands swelling by fuels and oils. Hardness, tensile strength, and elongation are comparable to other silicone rubbers. (Dow Corning Corp., Dept. S42)

■ COLORIMETER permits color-difference determination in temperature-sensitive materials and in dusty atmospheres. A cooling system and an air filter are provided. The apparatus performs the functions of an abridged spectrophotometer and a tristimulus colorphotometer in analyzing color formulations, determining metameric conditions, and measuring color differences in hue, value, and chroma. (Instrument Development Laboratories, Inc., Dept. S43)

■ WATER DEMINERALIZER is a table-model, ion-exchange device for direct-faucet connection. A direct-reading meter, calibrated in ohms per cubit centimeter and in parts per million indicates the quality of water being delivered at flow rates of approximately 1 gal min. (Ion-Exchange Products, Dept. S44)

■ VIBRATING REED ELECTROMETER developed for measurement of small d-c currents and voltages at high impedance has a stability of ±1 mv, sensitivity of 0.03 μμa, four ranges, three inputs, and sufficient output to operate with a 1-ma or 100-mv recorder. The instrument is made by Ekco Electronics, Ltd., in England, and operates on 110 or 220-v, 40 to 60 cy/sec electric power. (American Tradair Corp., Dept. S95)

■ PUG MILL MIXER for laboratory use has a variable-speed drive of 20 to 30 rev/min. The instrument is driven by a 0.75-hp motor. (Lindcraft Corp., Dept. S45)

■ STAINLESS-STEEL EQUIPMENT for handling radioisotopes used in biology is described in a new bulletin. Among the units described are a back-mounted incubator, a biological refrigerator, a microbiological filter canister, refrigerated centrifuge, autoclave, and hood. All items are of modular design. (S. Blickman, Inc., Dept. S94)

■ MICROTOME KNIFE SHARPENER uses a revolving glass wheel as the sharpening surface and a soap solution as coolant and vehicle for the abrasive. The knife is manually applied, and the rotational speed of the wheel is set at a fixed optimum for sharpening and for prevention of burning or chipping. There is a micrometer for adjusting the bevel angle of the knife. (Research Specialties Co., Dept. S80)

■ DIRECT-WRITING OSCILLOGRAPH provides instantaneous, permanent recordings of frequencies as high as 250 cy/sec at 1-in. double amplitude. The Datagraph, which has high input impedance, employs a vibrating wire in a magnetic field. The wire burns a contact wherever it touches the electrosensitive paper as it travels over an anvil, providing rectilinear writing. Speed-change pushbuttons select six chart speeds, and separate control knobs set the trace density for each of the two channels. Both the oscillograph and the companion amplifier operate on standard electric power. (Consolidated Electrodynamics Corp., Dept. S82)

■ SHIELDING BRICK made of transparent plastic permits observation of processes that involve use of high-level sources of radioactivity. Bricks are hollow blocks; they have a sealable hole through which zinc bromide is introduced to provide shielding. (P. M. Lennard Co., Dept. S93)

■ STOCHASTIC GENERATOR is capable of continuous production of random numbers at 10 per second and may be used as a computer accessory. (Loyola Laboratories, Dept. S47)

■ COUNTER-CURRENT APPARATUS uses three-phase solvent-system combinations and provides for automatic or manual shaking. (Laboratory Glass and Instrument Corp., Dept. S48)

■ MULTIENVIRONMENT TEST CHAMBER produces temperatures ranging from −100° to +400°F and maintains them during operation to within ±2 Fahrenheit degrees accuracy. The stainless-steel chamber has a capacity of 12 ft³. (Mantec, Inc., Dept. S46)

■ PIPETTE allows centrifugation of a blood sample for hematocrit determinations while the sample is still in the pipette. The pipette is calibrated in sedimentation rates and hematocrit scales. A U-shaped bore prevents the blood from being expelled during centrifugation. (Delmar Scientific Co., Dept. S87)

■ DELAY LINE model 403, designed for use as a component or as test equipment in computer and radar systems, is continuously variable over its delay range from zero to 0.70 μsec. Attenuation is less than 1.0 db; resolution is better than 0.001 μsec; maximum rise time is 0.060 μsec; and impedance is 500 ohm. (ESC Corp., Dept. S78)

■ TYGON FLEXIBLE PLASTIC TUBING is described in a 28-page booklet that covers each of the formulations of Tygon tubing. Applications and limitations of each formulation are presented, as well as physical properties and chemical resistances. (U.S. Stoneware Co., Dept. S83)

■ AIR SAMPLER has an automatic flow control that compensates for changes in the resistance of the filter. (Mine Safety Appliance Co., Dept. S84)

■ GLASS BLOWING ON THE GLASS LATHE is the title of a manual on the basic techniques of using a glass lathe. (Bethlehem Apparatus Co., Inc., Dept. S92)

■ RESISTORS that can operate at temperatures up to 200°C are now available with increased resistance ranges. Maximum resistance has been increased in the ½-watt size to 100,000 ohm, in the 1-watt size to 400,000 ohm, and in the 2-watt size to 1 Mohm. (Corning Glass Works, Dept. S75)

■ LINEAR ACCELERATOR, which is to be used in sterilization programs, has been adapted to full-scale production-line application and is now undergoing final tests prior to shipment. The accelerator has electron-beam power outputs of approximately 2 kw at 2.5 Mev and 4 kw at 5 Mev. At reduced power, the machine will operate at voltages up to 7 Mev. Another model has power outputs of 2 kw at 6 Mev and 4 kw at 10 Mev. This unit will operate at voltages up to 14 Mev at reduced power. (High Voltage Engineering Corp., Dept. S50)

■ RARE EARTH OXIDES imported from the laboratories of Johnson, Matthey and Co., Ltd., London, England, are available in various grades and chemical forms ranging from spectrographically certified purity as high as 99.998 percent down to lower grades. In addition to oxides, an assortment of rare earth salts are available, as well as several metals. (Jarrell-Ash Co., Dept. S81)

■ SILICON RECTIFIERS with welded-case construction and an operating level of 1500 v operate stably at temperatures up to 150°C and have forward current ratings up to 125 ma. The single-element, grown junction rectifiers are available in axial and stud half-wave models. (Texas Instruments, Inc., Dept. S79)

■ NEEDLE VALVES made of Teflon plastic can be used with all types of laboratory glassware when micro measurements are required. A catalog describes various operational uses in chromatography and other fields. (Emil Greiner Co., Dept. S85)

■ ULTRAVIOLET RADIATION SOURCE designed for use in chromatographic procedures operates at a wavelength of 3660 A. A 5-in., heat-resistant, red-purple filter removes visible wavelengths. (Black Light Corp., Dept. S88)

■ CENTRIFUGE permits separation of 160-ml samples at 20 speeds up to 25,000 rev/min and with a force up to 50,000 *g*. The unit can be operated without refrigeration. A variety of rotors with capacity up to 1 liter is available. (Beckman Instruments, Dept. S91)

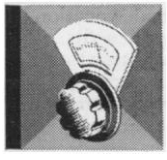
FISHER

INTEGRATED SOURCE

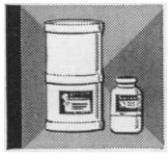
for all Laboratory

REQUIREMENTS

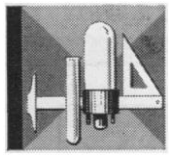
INSTRUMENT MANUFACTURING SHOPS



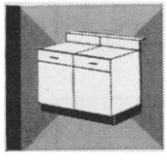
CHEMICAL MANUFACTURING DIVISION



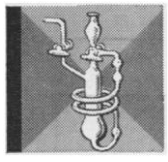
DEVELOPMENT LABORATORIES



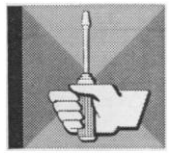
UNITIZED LABORATORY FURNITURE



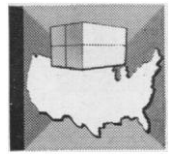
CUSTOM GLASS BLOWING



SERVICE and REPAIR SHOPS



STOCKS IN 7 MAJOR CITIES



Check List of Your Laboratory Needs

Partial List of the Finest Instruments, Apparatus and Reagent Chemicals Stocked by Seven Strategically Located Fisher Plants

BALANCES
Ainsworth
Christian Becker
Fisher
Gram-atic
Mettler
Ohaus
Seederer-Kohlbusch
Torsion
Voland

CALORIMETERS
Emerson
Parr
Precision

CENTRIFUGES
Fisher
International
Precision
Sharples

CHEMICALS
Fisher
B.B.L. Media
Difco Media
Eastman Organics (DPI)
National Aniline Stains & Dyes
Travenol Sera

COLORIMETERS
American Optical (Spencer)
Bausch & Lomb (B&L)
Beckman
Fisher

CRUSHERS, GRINDERS, PULVERIZERS, MILLS
Braun
Fisher
U. S. Stoneware
Wiley

DISTILLATION EQUIPMENT
American Sterilizer
Barnstead
Precision
Stokes

ELECTROPHORESIS APPARATUS
Spinco
Welch

FILTER PAPER
Fisher
Munktells
Reeve Angel
Schleicher & Schull
Whatman

FURNACES AND OVENS
Burrell
Fisher
Hevi-Duty
Hoskins
Lindberg
Precision
Sentry
Temco

FURNITURE
Fisher Unitized (from stock)

GAS-ANALYSIS APPARATUS
Beckman
Fisher

GLASSWARE AND PORCELAIN
Coors
Corning (Pyrex and Vycor)
Fisher
Kimble (Exax and Normax)

HEATERS, HOTPLATES
Fisher
Glas-col (Mantles)
Hoskins
Lindberg
Precision
Temco

pH METERS
Beckman

METALLOGRAPHIC EQUIPMENT
American Optical (Spencer)
Bausch & Lomb (B&L)
Fisher
Precision-Jarrett

MICROSCOPES & ACCESSORIES
American Optical (Spencer)
Bausch & Lomb (B&L)
Silge and Kuhne

PETROLEUM-TESTING EQUIPMENT
Fisher/Tag
Precision

PUMPS—VACUUM & PRESSURE
Cenco
Fisher
Welch

REFRACTOMETERS
American Optical (Spencer)
Bausch & Lomb (B&L)
Fisher

SPECTROPHOTOMETRIC EQUIPMENT
Beckman
Bausch & Lomb (B&L)
Fisher-Todd

STERILIZERS & INCUBATORS
American Sterilizer
Fisher
Precision

STIRRERS
Eastern
Fisher
Mixco (Lightnin')
Precision
Waring

TITRATION EQUIPMENT
Beckman
Fisher
Precision

VISCOMETERS
Fisher
Fisher/Tag
Stormer

WATER BATHS
Fisher
Precision

FOR MORE DETAILS...
Bulletins covering the above products, in detail, are available on request. Write:
139 Fisher Building, Pittsburgh 19, Pa.

FISHER SCIENTIFIC

America's Largest Manufacturer-Distributor of Laboratory Appliances & Reagent Chemicals

Boston, Buffalo, Chicago, Cleveland, Detroit, New York, Philadelphia, Pittsburgh, St. Louis, Washington, Montreal, Toronto

B-20

■ THERMISTOR THERMOMETER has six separate channels, each provided with five different temperature ranges. The instrument covers the range from 30°F to 110°F in overlapping increments of 20°. Accuracy is ±0.25°F. The portable unit has a mercury battery, and thermistor probes can be used either locally or remotely. (Yellow Springs Instrument Co., Dept. S86)

■ HYDROMETERS for measuring specific gravity or making other density measurements are available in sets with various calibrations. (Princo Thermometer Co., Dept. S90)

■ CUP SINK made of polyethylene is designed to fit in standard laboratory counter tops. It is of standard oval shape and measures 3 by 6 in. A ½-in., pipe-threaded tail piece is provided. (American Agile Corp., Dept. S89)

■ RADIOACTIVITY MONITOR with fixed or moving filter automatically measures and records airborne radioactivity and warns by light and bell when preset limits are exceeded. The mobile unit will operate unattended for 7 to 10 days, and it can follow either short-term, high-level radioactivity or more slowly changing, low-level radioactivity. A flexible collecting and counting arrangement is provided for immediate continuous counting, delayed continuous counting, immediate step-wise counting, or delayed step-wise counting. Features include a positive-displacement pump, count-rate meter, variable-speed chart recorder, and a lead counting chamber 2 in. thick. (Nuclear Measurements Corp., Dept. S52)

■ CERAMIC PERMANENT MAGNETS have the following properties: high resistivity, low specific gravity, high potential energy, and low incremental permeability. Indox I magnets are nonconductors and are hard, brittle, and lighter in weight than magnets made of metallic alloys. (Indiana Steel Products Co., Dept. S49)

■ GALVANOMETER SHUNT is intended to provide greater range for sensitive galvanometers. The redesigned Fisher Ayrton shunt contains carbon-metallic film resistances with individual tolerances of ±1 percent. It has nine switch settings from 1× to 500×. (Fisher Scientific Co., Dept. S51)

■ METALLIC COPPER IN LACQUER SOLUTION is the basis of a new colloidal dispersion that is designed for plating nonconductors. The dispersion can be applied by spray or brush. No baking is required. The film will air-dry and can be handled within a few minutes. (Acheson Colloids Co., Dept. S59)

■ ELECTRONICS-DATA HANDBOOK gives in 64 pages a selected collection of often-needed formulas and data used in radio and industrial electronics. Formulas include those needed for basic circuit analysis, transmission-line calculations, determination of vacuum-tube characteristics, resonance calculations, meter calculations, and so on. (Allied Radio Corp., Dept. S38)

■ PORTABLE SCALER, for use with Geiger-Müller tubes and scintillation counters, weighs 24 lb. A high-voltage supply that is stable within 3 v and a built-in timer to collect counting-rate data are provided. Permitting lower-energy gamma rays to be screened out, the direct-reading scaler permits the operator to discriminate against backscatter radiation in gamma-ray measurements. (Berkeley Division of Beckman Instruments, Dept. S39)

■ VIAL FILLER dispenses up to 8 oz of liquid per stroke and fills vials singly or in multiples of two. Free-flowing or semiviscous fluids, including aqueous solutions, oils, syrups, suspensions, and saturated solutions, may be dispensed at rates variable from 3 to 60 fills per minute. Volume of fill is adjustable from 0.002 oz per stroke on a calibrated micrometer dial. (National Instrument Co., Dept. S40)

■ PORTABLE MOISTURE DETERMINER for use in field stations, laboratories, or quality-control points, weighs 22 lb and can analyze liquid, solid, and gaseous samples. Accuracy of determinations varies from ± 10 percent in the range of 0 to 100 ppm down to ± 0.2 percent in higher ranges. (Central Scientific Co., Dept. S35)

■ VAPOR-PHASE CHROMATOGRAPH can use microsamples and operate with adsorption, gas-liquid partition, and reaction columns to handle a variety of compounds, including liquids with boiling points up to 325°C. The chromatograph will separate isomers of close boiling points and components in mixtures with wide boiling-point ranges. The instrument consists of a control unit and an analyzer, the former containing a power input and distribution system, a system for controlling carrier-gas flow, and detector circuit controls. A chromatographic column, a thermostatically controlled heating system, a detector, and a system for introducing the sample constitute the analyzer. The temperature of the analyzer is adjustable in a continuous range of from 60° to 250°C and is regulated to within 0.5°C. An internal sample valve, which is heated to the temperature of the analyzer, controls the size of gas samples to within ± 0.5 percent. (Consolidated Electrodynamics Corp., Dept. S37)

INDEX OF ADVERTISED PRODUCTS

Classified in the following pages are the products advertised in *Science* in the issues from 28 Oct. 1955 through 19 Oct. 1956. This list is intended to aid laboratory workers in finding the manufacturers of all types of laboratory equipment and supplies. At the end of the classified list is a list of companies that advertised in "The Market Place" section during the period 28 Oct. 1955 through 19 Oct. 1956. An index of advertisers in this issue appears on page 862.

1143; 6 July, 43; 20 July, 137; 3 Aug., 239; 17 Aug., 339; 31 Aug., 419; 14 Sept., 507; 28 Sept., 597; 12 Oct., 693
Olympus Optical Instrument Co.
1956: 7 Sept., 456; 21 Sept., 551
Research Equipment Corp.
1956: 16 Mar., 471; 27 Apr., 757; 11 May, 858; 8 June, 1012; 6 July, 43; 3 Aug., 239; 7 Sept., 424
Research Specialties Co.
1956: 11 May, 856; 14 Sept., 499
Schaar and Co.
1956: 27 Apr., 763; 11 May, 859
Sigma Chemical Co.
1956: 27 Apr., 766; 29 June, 1150; 13 July, 89; 10 Aug., 287
Silge & Kuhne
1955: 2 Dec., 1112; 30 Dec., 1282
1956: 27 Jan., 158; 17 Feb., 296; 23 Mar., 515
Thomas, Arthur H., Co.
1955: 4 Nov., 896; 2 Dec., 1120; 30 Dec., 1288
1956: 6 Jan., 40
Tracerlab, Inc.
1956: 13 Apr., 610; 18 May, 867; 29 June, 1191; 13 July, 50; 17 Aug., 294
United Scientific Co.
1955: 24 Nov., 1032; 2 Dec., 1148
1956: 13 Jan., 74; 27 Jan., 155; 10 Feb., 206; 23 Mar., 516; 27 Apr., 760; 15 June, 1092; 13 July, 90; 27 July, 190; 24 Aug., 374; 28 Sept., 598; 5 Oct., 647; 12 Oct., 697; 19 Oct., 739
Winthrop Laboratories, Inc.
1956: 13 Jan., 72; 10 Feb., 204; 9 Mar., 427; 3 Aug., 237

CATHETOMETERS

Central Scientific Co.
1956: 2 Mar., 352
Eberbach Corp.
1956: 21 Sept., 551

CENTRIFUGES AND ACCESSORIES

Beckman Instruments, Inc., Spinco Div.
1955: 4 Nov., 858; 30 Dec., 1254
1956: 27 Apr., 768; 22 June, 1144; 31 Aug., 420; 21 Sept., 514
Clay-Adams, Inc.
1956: 16 Mar., 473; 13 July, 95
Custom Scientific Instruments, Inc.
1956: 27 Apr., 696
Fisher Scientific
1956: 5 Oct., 608
International Equipment Co.
1955: 11 Nov., 903; 2 Dec., 1053
1956: 13 Jan., 79; 17 Feb., 242; 16 Mar., 479; 27 Apr., 690; 18 May, 866; 1 June, 963; 13 July, 52; 10 Aug., 248; 14 Sept., 462; 5 Oct., 607
Labline, Inc., Chicago Surgical & Electrical Co. Div.
1956: 2 Mar., 385; 27 Apr., 752
Lourdes Instrument Corp.
1955: 2 Dec., 1106
Precision Scientific Co.
1955: 25 Nov., 998
Sorvall, Ivan, Inc.
1955: 2 Dec., 1113
1956: 20 Jan., 84; 9 Mar., 398; 27 Apr., 698; 4 May, 776; 24 Aug., 379; 21 Sept., 510

CHARTS, BIOLOGICAL

Welch, W. M., Manufacturing Co.
1956: 6 Apr., 603

CHEMICALS, TRACER

Frosst, Charles E., & Co.
1955: 4 Nov., 894; 2 Dec., 1118; 30 Dec., 1252
1956: 27 Jan., 124
Research Specialties Co.
1956: 14 Sept., 499
Tracerlab, Inc.
1956: 29 June, 1191

CHROMATOGRAPHY EQUIPMENT

Beckman Instruments, Inc., Spinco Div.
1956: 18 May, 911
Eastman Kodak Co.
1955: 11 Nov., 933
Nalge Co.
1956: 13 Apr., 642
Packard Instrument Co.
1955: 2 Dec., 1109
1956: 18 May, 906; 8 June, 1048; 20 July, 135; 14 Sept., 500
Perkin-Elmer Corp.
1955: 4 Nov., 853; 2 Dec., 1103
1956: 6 Apr., 563
Photovolt Corp.
1955: 28 Oct., 812; 11 Nov., 900; 25 Nov., 1000; 16 Dec., 1164
1956: 20 Jan., 84; 24 Feb., 308; 13 Apr., 612; 8 June, 1014; 6 July, 43; 3 Aug., 237; 31 Aug., 419; 14 Sept., 507; 12 Oct., 699
Research Equipment Corp.
1955: 16 Dec., 1203
1956: 16 Mar., 471; 11 May, 858; 8 June, 1012; 6 July, 43; 3 Aug., 239; 7 Sept., 424
Research Specialties Co.
1955: 11 Nov., 902; 9 Dec., 1153
1956: 11 May, 856
Schaar and Co.
1956: 27 Jan., 154; 27 Apr., 763; 11 May, 859; 7 Sept., 449; 5 Oct., 610
Sorvall, Ivan, Inc.
1956: 30 Mar., 522; 4 May, 776; 20 July, 143
Welch, W. M., Manufacturing Co.
1956: 3 Feb., 191; 6 July, 41; 7 Sept., 450

CLAMPS

Thomas, Arthur H., Co.
1956: 3 Aug., 244

CLEANSERS

Alconox, Inc.
1956: 31 Aug., 414; 28 Sept., 559
Linbro Chemical Co.
1955: 18 Nov., 982; 2 Dec., 1054
1956: 17 Feb., 293; 23 Mar., 484; 27 Apr., 696; 25 May, 958; 22 June, 1139
Standard Scientific Supply Corp.
1956: 13 Apr., 614

COLORIMETERS

Bausch & Lomb Optical Co.
1956: 11 May, 822; 25 May, 920; 14 Sept., 466; 28 Sept., 566
Biddle, James G., Co.
1956: 20 Jan., 119; 15 June, 1095
Coleman Instruments, Inc.
1956: 15 June, 1090

DENSITOMETERS

Photovolt Corp.
1955: 28 Oct., 812; 11 Nov., 900; 25 Nov., 1000; 16 Dec., 1164
1956: 20 Jan., 84; 24 Feb., 308; 13 Apr., 612; 8 June, 1014; 6 July, 43; 3 Aug., 237; 31 Aug., 419; 14 Sept., 507; 12 Oct., 699
Research Equipment Corp.
1956: 7 Sept., 424
Welch, W. M., Manufacturing Co.
1955: 16 Dec., 1166
1956: 3 Feb., 191

DESICCANTS

Hammond, W. A., Drierite Co.
1956: 28 Sept., 598

DISTILLATION EQUIPMENT

Fisher Scientific
1956: 5 Oct., 608

DOUGLAS BAG

Phipps & Bird, Inc.
1956: 25 May, 916; 1 June, 966; 8 June, 1051

DUST-SAMPLING APPARATUS

Ficklen, Joseph B., III
1955: 4 Nov., 891; 16 Dec., 1164
1956: 27 Jan., 155; 9 Mar., 430; 20 Apr., 686

ELECTROENCEPHALOGRAPHS

Electro-Medical Laboratory, Inc.
1955: 11 Nov., 937; 9 Dec., 1153

ELECTRONICS SYSTEMS

General Electric Co.
1956: 2 Mar., 391
Ramo-Wooldridge Corp.
1956: 7 Sept., 460

ELECTROPHORESIS APPARATUS

Aloe, A. S., Co., Aloe Scientific Div.
1956: 4 May, 772; 6 July, 4
Beckman Instruments, Inc., Spinco Div.
1955: 2 Dec., 1099
1956: 27 Jan., 123; 17 Feb., 252; 16 Mar., 434; 20 July, 99; 10 Aug., 291; 12 Oct., 654
E-C Apparatus Co.
1956: 17 Feb., 295; 5 Oct., 648
Fisher Scientific
1956: 5 Oct., 608
Klett Manufacturing Co.
1955: 28 Oct., 839; 4 Nov., 889; 11 Nov., 942; 25 Nov., 1032; 2 Dec., 1108; 9 Dec., 1124; 16 Dec., 1200; 23 Dec., 1243; 30 Dec., 1283
1956: 6 Jan., 33; 13 Jan., 78; 20 Jan., 115; 27 Jan., 155; 3 Feb., 193; 10 Feb., 239; 17 Feb., 294; 24 Feb., 342; 2 Mar., 350; 9 Mar., 427; 16 Mar., 478; 23 Mar., 519; 30 Mar., 524; 6 Apr., 606; 13 Apr., 612; 20 Apr., 650; 27 Apr., 698; 4 May, 774; 11 May, 856; 18 May, 905; 25 May, 958; 1 June, 999; 8 June, 1014; 15 June, 1095; 22 June, 1143; 29 June, 1188; 6 July, 41; 13 July, 91; 20 July, 142; 27 July, 195; 3 Aug., 235; 17 Aug., 339; 24 Aug., 379; 31 Aug., 419; 7 Sept., 424; 14 Sept., 501; 21 Sept., 549; 28 Sept., 597; 5 Oct., 651; 12 Oct., 692; 19 Oct., 702
Photovolt Corp.
1955: 28 Oct., 812; 11 Nov., 900; 25 Nov., 1000; 16 Dec., 1164
1956: 20 Jan., 84; 24 Feb., 308; 13 Apr., 612; 8 June, 1014; 6 July, 43; 3 Aug., 237; 31 Aug., 419; 14 Sept., 507; 12 Oct., 699
Research Equipment Corp.
1956: 7 Sept., 424
Schaar and Co.
1956: 27 Apr., 763; 11 May, 859
Sorvall, Ivan, Inc.
1956: 30 Mar., 522; 4 May, 776; 20 July, 143
Thomas, Arthur H., Co.
1956: 11 May, 864; 8 June, 1056

EVAPORATORS

Aloe, A. S., Co., Aloe Scientific Div.
1955: 4 Nov., 852; 2 Dec., 1048
1956: 2 Mar., 348; 6 Apr., 601
Machlett, E., & Son
1956: 24 Feb., 343

EXTRACTORS

E-C Apparatus Co.
1956: 28 Sept., 600
Machlett, E., & Son
1955: 25 Nov., 1033

FERMENTORS AND ACCESSORIES

New Brunswick Scientific Co.
1955: 16 Dec., 1198
1956: 24 Aug., 379; 24 Feb., 342; 20 Apr., 650; 27 July, 192; 21 Sept., 551

FILM

Eastman Kodak Co.
1955: 9 Dec., 1147
1956: 6 Jan., 31; 10 Feb., 202; 9 Mar., 425; 18 May, 903

FILTER PAPER

Fisher Scientific
1956: 5 Oct., 608

FILTERS, INTERFERENCE

Axler Associates, Inc.
1955: 2 Dec., 1106
1956: 17 Feb., 295
Bausch & Lomb Optical Co.
1956: 17 Aug., 298; 31 Aug., 384
Photovolt Corp.
1955: 28 Oct., 812; 11 Nov., 900; 16 Dec., 1164
1956: 17 Feb., 297; 11 May, 859

FILTERS, MOLECULAR

Greiner, Emil, Co.
1956: 27 Apr., 767

FLUOROMETERS

Biddle, James G., Co.
1955: 28 Oct., 843
1956: 20 Jan., 119; 15 June, 1095

Coleman Instruments, Inc.
1956: 21 Sept., 548
Farrand Optical Co., Inc.
1955: 18 Nov., 990
1956: 8 June, 1051
Photovolt Corp.
1955: 25 Nov., 1000; 23 Dec., 1212
1956: 6 Jan., 35; 27 Jan., 124; 10 Feb., 238; 9 Mar., 396; 23 Mar., 519; 6 Apr., 601; 4 May, 811; 1 June, 966; 29 June, 1150; 27 July, 195; 10 Aug., 250; 7 Sept., 451; 21 Sept., 551; 5 Oct., 645

FRACTIONATORS

E-C Apparatus Co.
1956: 17 Feb., 295; 12 Oct., 693

FRACTION COLLECTORS

LKB-Produkter
1956: 21 Sept., 511
Packard Instrument Co.
1955: 2 Dec., 1109
1956: 27 Apr., 759; 18 May, 906; 8 June, 1048; 20 July, 135; 14 Sept., 500
Research Equipment Corp.
1955: 16 Dec., 1203
1956: 27 Apr., 757; 8 June, 1012; 3 Aug., 239; 7 Sept., 424
Schaar and Co.
1956: 27 Jan., 154; 7 Sept., 449; 5 Oct., 610
Sorvall, Ivan, Inc.
1956: 4 May, 776
Technicon Chromatography Corp.
1955: 16 Dec., 1162

FREEZING APPARATUS

Aloe, A. S., Co., Aloe Scientific Div.
1956: 1 June, 999
Custom Scientific Instruments, Inc.
1956: 17 Feb., 299
Machlett, E., & Son
1955: 11 Nov., 943; 18 Nov., 981; 25 Nov., 1033
National Research Corp., NRC Equipment Div.
1956: 17 Feb., 244; 27 Apr., 697
Palo Laboratory Supplies, Inc.
1956: 17 Feb., 249

FUNNELS, PLASTIC

Nalge Co., Inc.
1956: 17 Aug., 332; 14 Sept., 502

FURNITURE, LABORATORY

Fisher Scientific
1956: 5 Oct., 608
Labline, Inc.
1955: 4 Nov., 891; 18 Nov., 987
Machlett, E., & Son
1955: 11 Nov., 943
Norbute Corp., Metalab Equipment Co. Div.
1956: 9 Mar., 426
Technicon Co.
1955: 4 Nov., 850; 2 Dec., 1042; 30 Dec., 1250
1956: 23 Mar., 519; 20 Apr., 650; 4 May, 811; 18 May, 907; 15 June, 1060; 13 July, 89; 17 Aug., 333; 14 Sept., 507; 5 Oct., 645

GALVANOMETERS

Biddle, James G., Co.
1955: 28 Oct., 843
1956: 15 June, 1095

GAS-ANALYSIS APPARATUS

Fisher Scientific
1956: 5 Oct., 608

GENERATORS

Standard Scientific Supply Corp.
1956: 8 June, 1050

GLASSWARE AND ACCESSORIES

Bellco Glass, Inc.
1956: 9 Mar., 398
Corning Glass Works
1955: 2 Dec., 1107
1956: 6 Jan., 6; 4 May, 771; 6 July, 6; 7 Sept., 425
Fisher Scientific
1956: 5 Oct., 608
Klett Manufacturing Co.
1955: 4 Nov., 889; 18 Nov., 991; 2 Dec., 1108; 16 Dec., 1200; 30 Dec., 1283
1956: 13 Jan., 78; 27 Jan., 155; 10 Feb., 239; 24 Feb., 342; 9 Mar., 427; 23 Mar., 519; 6 Apr., 606; 20 Apr., 650; 4 May, 774; 18 May, 905; 1 June, 999; 15 June, 1095; 29 June, 1188; 13 July, 91; 27 July, 195; 10 Aug., 286; 24 Aug., 379; 7 Sept., 424; 21 Sept., 549; 5 Oct., 651; 19 Oct., 702
Kontes Glass Co.
1956: 25 May, 955
Machlett, E., & Son
1955: 4 Nov., 860
Research Specialties Co.
1955: 11 Nov., 902; 9 Dec., 1153
1956: 11 May, 856
Standard Scientific Supply Corp.
1956: 4 May, 775

GLASSWARE WASHERS

Labline, Inc.
1955: 4 Nov., 891; 18 Nov., 987

GREASES

Biddle, James G., Co.
1955: 23 Dec., 1243
1956: 17 Feb., 302; 20 July, 138

HEATERS

Biochemical Associates
1956: 18 May, 908; 1 June, 1003
Fisher Scientific
1956: 5 Oct., 608
Precision Scientific Co.
1955: 25 Nov., 998

HOMOGENIZERS

Eberbach Corp.
1956: 5 Oct., 610
Machlett, E., & Son
1955: 18 Nov., 981
Sorvall, Ivan, Inc.
1956: 4 May, 776

INCUBATORS

Castle, Wilmot, Co.
1955: 9 Dec., 1151
1956: 11 May, 820
Fisher Scientific
1956: 5 Oct., 608
Labline, Inc., Chicago Surgical & Electrical Co. Div.
1956: 1 June, 1002
Thomas, Arthur H., Co.
1956: 2 Mar., 392

ISOTOPE CHARTS

Harshaw Scientific
1956: 6 July, 42

KYMOGRAPHS

Harvard Apparatus Co., Inc.
1956: 9 Mar., 395

LABORATORY JACK

Central Scientific Co.
1956: 30 Mar., 560

LABORATORY SUPPLIES

Clay-Adams, Inc.
1956: 19 Oct., 702
Standard Scientific Supply Corp.
1956: 17 Feb., 303; 20 July, 133
Synthetical Laboratories
1956: 19 Oct., 704
Thomas, Arthur H., Co.
1955: 4 Nov., 896; 2 Dec., 1120; 30 Dec., 1288
1956: 6 Jan., 40; 16 Mar., 480

LAMPS

Biddle, James G., Co.
1956: 18 May, 905

Daigger, A., and Co.
1955: 25 Nov., 996–997
Edmund Scientific Corp.
1955: 4 Nov., 855; 2 Dec., 1050
Rudolph, O. C., & Sons
1956: 27 Apr., 696

MACROSCOPES

Bausch & Lomb Optical Co.
1955: 2 Dec., 1060
1956: 27 Jan., 126; 23 Mar., 482; 12 Oct., 658

MANOMETERS

Will Corp.
1956: 16 Mar., 475

MARKING PENS

Standard Scientific Supply Co.
1956: 20 July, 133

MELTING POINT APPARATUS

Nalge Co.
1956: 13 Apr., 642

MERCURY VAPOR DETECTOR

Kruger, Harold, Instruments
1956: 1 June, 1000

METALLOGRAPHIC EQUIPMENT

Fisher Scientific
1956: 5 Oct., 608

MICROANALYSIS EQUIPMENT

American Optical Instrument Div.
1955: 11 Nov., 944
1956: 6 Apr., 608
Custom Scientific Instruments, Inc.
1956: 17 Feb., 299
Jarrell-Ash Co.
1956: 28 Sept., 563
Leitz, E., Inc.
1956: 8 June, 1013; 17 Aug., 295; 28 Sept., 561
Stoelting, C. H., Co.
1955: 18 Nov., 990; 16 Dec., 1202
1956: 27 Jan., 159

MICROBIOLOGICAL MEDIA

Difco Laboratories
1956: 13 Jan., 75; 10 Feb., 239; 6 Apr., 599; 4 May, 811; 1 June, 1003; 29 June, 1150; 27 July, 192; 21 Sept., 549
Hyland Laboratories
1956: 22 June, 1138
Standard Scientific Supply Corp.
1955: 4 Nov., 885
1956: 20 Jan., 82; 16 Mar., 435

MICROPRINT READERS

Eastman Kodak Co.
1955: 18 Nov., 991; 2 Dec., 1054
1956: 4 May, 809

MICROSCOPE ACCESSORIES

American Optical Instrument Div.
1955: 23 Dec., 1248
1956: 24 Feb., 344
Bausch & Lomb Optical Co.
1956: 8 June, 1016; 22 June, 1100; 6 July, 8; 20 July, 102

MICROSCOPES, POLARIZING

Bausch & Lomb Optical Co.
1956: 6 July, 8; 3 Aug., 202
United Scientific Co.
1955: 25 Nov., 1032
1956: 24 Aug., 374

MICROSCOPES, STEREOSCOPIC

American Optical Instrument Div.
1956: 13 Jan., 80; 10 Feb., 240; 9 Mar., 432; 20 Apr., 688; 17 Aug., 340; 21 Sept., 556; 28 Sept., 604; 19 Oct., 740
Bausch & Lomb Optical Co.
1955: 9 Dec., 1126; 23 Dec., 1214
Ercona Corp.
1956: 23 Mar., 484

MICROSCOPES, STUDENT

American Optical Instrument Div.
1955: 23 Dec., 1248
Edmund Scientific Corp.
1955: 4 Nov., 855; 2 Dec., 1050
1956: 6 Jan., 32; 3 Feb., 195; 2 Mar., 384; 6 Apr., 602; 6 July, 40; 3 Aug., 236
Leitz, E., Inc.
1956: 16 Mar., 436; 30 Mar., 559; 13 Apr., 613; 27 Apr., 699; 11 May, 818; 22 June, 1098; 20 July, 100; 14 Sept., 464
United Scientific Co.
1956: 12 Oct., 697

MICROTOMES AND ACCESSORIES

American Optical Instrument Div.
1956: 1 June, 1008
Erb & Gray Scientific
1956: 28 Sept., 560
Hacker, William J., & Co., Inc.
1956: 17 Feb., 293; 2 Mar., 387; 16 Mar., 473; 30 Mar., 558
Leitz, E., Inc.
1955: 4 Nov., 857; 2 Dec., 1049; 30 Dec., 1251
1956: 6 Jan., 5; 3 Feb., 199
Sorvall, Ivan, Inc.
1955: 25 Nov., 1035; 2 Dec., 1113
1956: 17 Feb., 294; 4 May, 776; 22 June, 1139; 21 Sept., 510
Thomas, Arthur H., Co.
1956: 6 July, 48

MIXERS

Biochemical Associates
1956: 25 May, 956; 8 June, 1054
Machlett, E., & Son
1956: 10 Feb., 206
Sorvall, Ivan, Inc.
1955: 2 Dec., 1113
1956: 21 Sept., 510

MONOCHROMATORS

Biddle, James G., Co.
1956: 20 Jan., 119; 15 June, 1095
Farrand Optical Co., Inc.
1956: 10 Aug., 250
Jarrell-Ash Co.
1956: 24 Feb., 306
Perkin-Elmer Corp.
1956: 3 Feb., 162
Photovolt Corp.
1955: 4 Nov., 856; 2 Dec., 1056; 30 Dec., 1252
1956: 13 Jan., 72; 3 Feb., 198; 2 Mar., 390; 30 Mar., 524; 27 Apr., 700; 18 May, 907; 15 June, 1060; 13 July, 91; 24 Aug., 375; 19 Oct., 702

NITROGEN ANALYZER

Aloe, A. S., Co., Aloe Scientific Div.
1956: 7 Sept., 451; 5 Oct., 651

OILS

Biddle, James G., Co.
1955: 23 Dec., 1243
1956: 17 Feb., 302; 20 July, 138

OPTICAL EQUIPMENT

Rudolph, O. C., & Sons
1956: 17 Feb., 250; 27 Apr., 696

OVENS

Fisher Scientific
1956: 5 Oct., 608
Research Equipment Corp.
1955: 16 Dec., 1203
1956: 7 Sept., 424
Will Corp.
1956: 14 Sept., 503

PETROLEUM-TESTING EQUIPMENT

Fisher Scientific
1956: 5 Oct., 608

*p*H INDICATORS

Cambridge Instrument Co., Inc.
1956: 17 Feb., 302
Coleman Instruments, Inc.
1956: 20 July, 134
Fisher Scientific
1956: 5 Oct., 608
LaMotte Chemical Products Co.
1955: 9 Dec., 1124
Photovolt Corp.
1955: 18 Nov., 948; 9 Dec., 1149

PHOSPHORS

General Electric Co.
1956: 7 Sept., 422

PHOTOGRAPHIC EQUIPMENT

Eastman Kodak Co.
1956: 4 May, 809; 8 June, 1047; 6 July, 39

PHOTOMETERS, EXPOSURE

Brinkmann Instruments, Inc.
1955: 4 Nov., 866
1956: 27 Jan., 159
Photovolt Corp.
1955: 23 Dec., 1212
1956: 20 Apr., 686; 25 May, 955; 22 June, 1143; 20 July, 137; 17 Aug., 339; 28 Sept., 597
Rosenthal, Paul
1956: 4 May, 810; 28 Sept., 602

PHOTOMETERS, FLAME

Biddle, James G., Co.
1955: 28 Oct., 843
1956: 20 Jan., 119; 15 June, 1095
Standard Scientific Supply Corp.
1955: 2 Dec., 1051

PHOTOMETERS, MICRO

Jarrell-Ash Co.
1956: 27 Apr., 702

PHOTOMETERS, MULTIPLIER

Photovolt Corp.
1955: 4 Nov., 856; 2 Dec., 1056; 30 Dec., 1252
1956: 16 Mar., 474

PHOTOMICROGRAPHIC EQUIPMENT

American Optical Instrument Div.
1956: 27 Jan., 160; 4 May, 816
Biological Institute
1956: 20 Apr., 685
Brinkmann Instruments, Inc.
1955: 4 Nov., 886
1956: 27 Jan., 159
Eastman Kodak Co.
1955: 9 Dec., 1147
Fish-Schurman Corp.
1955: 2 Dec., 1118
1956: 17 Feb., 294
Photovolt Corp.
1955: 23 Dec., 1212
1956: 20 Apr., 686; 25 May, 955; 22 June, 1143; 20 July, 137; 17 Aug., 339; 28 Sept., 597
Rosenthal. Paul
1956: 4 May, 810; 28 Sept., 602
Silge & Kuhne
1955: 4 Nov., 854; 2 Dec., 1112; 30 Dec., 1282
1956: 27 Jan., 158; 17 Feb., 296; 23 Mar., 515
Zeiss. Carl, Inc.
1956: 6 Apr., 562; 29 June, 1148; 28 Sept., 564

PIPETTES AND ACCESSORIES

Bellco Glass, Inc.
1956: 9 Mar., 398
Clay-Adams, Inc.
1956: 27 Jan., 159; 13 Apr., 646; 15 June, 1060
Instrumentation Assoc.
1956: 10 Feb., 206; 8 June, 1054
Machlett, E., & Son
1955: 4 Nov., 860
National Instrument Co.
1955: 4 Nov., 889; 2 Dec., 1054
Phipps & Bird, Inc.
1956: 27 Jan., 152; 10 Feb., 235; 24 Feb., 308; 27 Apr., 700; 4 May, 772; 11 May, 820
Sorvall, Ivan, Inc.
1956: 4 May, 776
Standard Scientific Supply Corp.
1956: 4 May, 775

POLARIMETERS

Fish-Schurman Corp.
1956: 20 July, 142
Jarrell-Ash Co.
1956: 24 Feb., 306
Rudolph, O. C., & Sons
1956: 17 Feb., 250; 27 Apr., 696

POWER CONTROLLER

Heller, Gerald K., Co.
1956: 2 Mar., 387

PROJECTORS

Bausch & Lomb Optical Co.
1955: 28 Oct., 814; 11 Nov., 906; 25 Nov., 1002
1956: 3 Feb., 166; 17 Feb., 254; 2 Mar., 354; 16 Mar., 438; 30 Mar., 526; 12 Oct., 658
Eastman Kodak Co.
1956: 10 Aug., 285
Hacker, William J., & Co., Inc.
1955: 2 Dec., 1055
Silge & Kuhne
1956: 17 Feb., 296
Zeiss, Carl, Inc.
1956: 23 Mar., 483; 24 Aug., 342

PUMPS

Biddle, James G., Co.
1956: 19 Oct., 702
Central Scientific Co.
1955: 11 Nov., 898
Fisher Scientific
1956: 5 Oct., 608
Harvard Apparatus Co., Inc.
1956: 8 June, 1054
Welch, W. M., Manufacturing Co.
1956: 4 May, 774

PUMP PLATE

Central Scientific Corp.
1956: 24 Aug., 344; 21 Sept., 512

PYROMETERS

Standard Scientific Supply Corp.
1956: 17 Aug., 296

RADIATION COUNTERS

American Hospital Supply Corp., Scientific Products, Div.
1956: 10 Aug., 247
Beckman Instruments, Inc., Berkeley Div.
1955: 4 Nov., 888
1956: 6 Jan., 38; 24 May, 770
Biddle, James G., Co.
1956: 20 Jan., 119; 15 June, 1095
Cambridge Instrument Co., Inc.
1955: 2 Dec., 1118
1956: 13 Apr., 646
Central Scientific Co.
1956: 6 Jan., 2; 1 June, 964
Nuclear Corporation of America, Inc., NRD Instrument Co. Div.
1955: 2 Dec., 1058
1956: 13 Apr., 647; 11 May, 863; 8 June, 1010
Nuclear Instrument and Chemical Corp.
1955: 28 Oct., 841; 25 Nov., 998; 2 Dec., 1104
1956: 27 Jan., 153; 24 Feb., 339; 30 Mar., 553; 27 Apr., 761; 25 May, 914; 29 June, 1146; 27 July, 191; 24 Aug., 346; 31 Aug., 415; 28 Sept., 599
Packard Instrument Co.
1956: 27 Apr., 759; 8 June, 1048; 13 July, 92
Tracerlab, Inc.
1956: 13 Jan., 32; 10 Feb., 203; 9 Mar., 394; 13 Apr., 610; 18 May, 867; 17 Aug., 294

RADIATION RESEARCH EQUIPMENT

Cambridge Instrument Co., Inc.
1955: 2 Dec., 1118

General Electric Co.
1956: 6 Apr., 607; 4 May, 815
Nuclear Instrument and Chemical Corp.
1956: 25 May, 914
Tracerlab, Inc.
1956: 29 June, 1191

RARE EARTHS

Lindsay Chemical Co.
1956: 20 July, 144; 21 Sept., 555

RECORDERS, GRAPHIC

Varian Associates
1956: 3 Feb., 195; 6 Apr., 602; 1 June, 1000; 3 Aug., 238; 5 Oct., 643

RECORDING EQUIPMENT, BIOPHYSICAL

Aloe, A. S., Co., Aloe Scientific Div.
1956: 3 Aug., 237
American Hospital Supply Corp., Scientific Products Div.
1956: 18 May, 870
Lab-Tronics, Inc.
1956: 17 Feb., 243
Sanborn Co.
1956: 27 Apr., 695; 15 June, 1058; 20 July, 98

REFRACTOMETERS

Fisher Scientific
1956: 5 Oct., 608
Jarrell-Ash Co.
1956: 24 Feb., 306

RHEOSTATS

Biddle, James G., Co.
1955: 18 Nov., 990
1956: 9 Mar., 431; 17 Aug., 336

SHAKERS

Clay-Adams, Inc.
1956: 17 Feb., 250; 18 May, 905; 7 Sept., 424
Eberbach Corp.
1956: 10 Feb., 204; 24 Feb., 308; 9 Mar., 396; 23 Mar., 484; 6 Apr., 603; 19 Oct., 704
New Brunswick Scientific Co.
1955: 4 Nov., 894; 18 Nov., 991; 2 Dec., 1110; 30 Dec., 1286
1956: 13 Jan., 75; 27 Jan., 158; 10 Feb., 238; 9 Mar., 430; 23 Mar., 516; 6 Apr., 601; 4 May, 814; 18 May, 907; 1 June, 966; 15 June, 1095; 13 July, 95; 10 Aug., 286; 7 Sept., 449; 5 Oct., 651; 19 Oct., 704

SKELETON, MODEL

Welch, W. M., Manufacturing Co.
1955: 18 Nov., 950
1956: 27 July, 195

SMOKE-SAMPLING APPARATUS

Phipps & Bird, Inc.
1956: 27 July, 147

SOLAR ENERGY CONVERTERS

Edmund Scientific Corp.
1956: 6 Apr., 602; 4 May, 808; 1 June, 1001; 7 Sept., 448; 5 Oct., 644
International Rectifier Corp.
1956: 27 July, 146; 24 Aug., 343; 28 Sept., 603

SPECTROGRAPHS

Brinkmann, C. A., & Co.
1955: 28 Oct., 843
Jarrell-Ash Co.
1956: 27 Apr., 702; 28 Sept., 563

SPECTROMETERS AND ACCESSORIES

Biddle, James G., Co.
1955: 28 Oct., 843
Ealing Corp.
1956: 13 July, 95
General Electric Co.
1955: 9 Dec., 1159
Jarrell-Ash Co.
1956: 27 Apr., 702; 28 Sept., 563
Nuclear Corporation of America, Inc., NRD Instrument Co. Div.
1956: 13 Apr., 647
Nuclear Instrument and Chemical Corp.
1955: 2 Dec., 1104
1956: 27 Jan., 153
Packard Instrument Co.
1956: 27 Apr., 759
Perkin-Elmer Corp.
1955: 4 Nov., 853
1956: 1 June, 1007

SPECTROPHOTOMETERS AND ACCESSORIES

American Optical Instrument Div.
1955: 25 Nov., 1040
Beckman Instruments, Inc., Scientific Instruments Div.
1956: 7 Sept., 426
Biddle, James G., Co.
1956: 15 June, 1095
Coleman Instruments, Inc.
1956: 18 May, 904
Fisher Scientific
1956: 5 Oct., 608
Jarrell-Ash Co.
1956: 24 Feb., 306; 27 Apr., 702

Perkin-Elmer Corp.
1956: 3 Feb., 162; 2 Mar., 351; 3 Aug., 243; 24 Aug., 380
Standard Scientific Supply Corp.
1955: 2 Dec., 1051

STAINS, BIOLOGICAL

Esbe Laboratory Supplies
1956: 27 July, 188
Matheson, Coleman & Bell
1955: 4 Nov., 851
1956: 13 Jan., 43

STERILIZERS

Castle, Wilmot, Co.
1956: 13 Jan., 73; 10 Feb., 239; 14 Sept., 499; 12 Oct., 699
Fisher Scientific
1956: 5 Oct., 608

STIMULATORS

American Electronic Laboratories, Inc.
1955: 25 Nov., 1031
Lab-Tronics, Inc.
1955: 2 Dec., 1112
1956: 27 Jan., 124; 17 Feb., 243; 24 Feb., 342

STIRRERS

Central Scientific Co.
1956: 27 July, 148
Fisher Scientific
1956: 5 Oct., 608
Precision Scientific Co.
1955: 25 Nov., 998
Thomas, Arthur H., Co.
1956: 14 Sept., 508

TAPES, HEATING

Standard Scientific Supply Corp.
1955: 25 Nov., 1039

TELESCOPES

Criterion Manufacturing Co.
1956: 17 Feb., 246
Edmund Scientific Corp.
1955: 4 Nov., 855; 2 Dec., 1050
1956: 6 Jan., 32; 3 Feb., 195; 2 Mar., 384; 6 Apr., 602; 4 May, 808; 1 June, 1001; 6 July, 40; 3 Aug., 236; 7 Sept., 448; 5 Oct., 644
United Scientific Co.
1955: 18 Nov., 980
1956: 27 Apr., 760; 13 July, 90

TEST, ENDOCRINE

American Hospital Supply Corp., Scientific Products Div.
1956: 18 May, 870
Endocrine Laboratories of Madison, Inc.
1955: 11 Nov., 902; 9 Dec., 1153

THERMOMETERS

Yellow Springs Instrument Co., Inc.
1956: 7 Sept., 451

TITRATION EQUIPMENT

Fisher Scientific
1956: 5 Oct., 608

Precision Scientific Co.
1955: 25 Nov., 999
Sargent, E. H., & Co.
1956: 28 Sept., 558

TUBING

Thomas, Arthur H., Co.
1956: 13 Apr., 648
U.S. Stoneware
1956: 17 Aug., 334; 7 Sept., 453; 28 Sept., 596; 12 Oct., 694

VACUUM GAUGE

National Research Corp., NRC Equipment Corp.,
1956: 7 Sept., 423

VACUUM TUBES

General Electric Co.
1955: 4 Nov., 895

VAPOR EQUIVALENT APPARATUS

Central Scientific Co.
1955: 2 Dec., 1043

VISCOMETERS

Fish-Schurman Corp.
1956: 27 Apr., 755
Fisher Scientific
1956: 5 Oct., 608

WARBURG APPARATUS

GME (Gilson-Medical Electronics)
1955: 18 Nov., 990; 2 Dec., 1056
Will Corp.
1956: 16 Mar., 475

WATER BATHS

Fisher Scientific
1956: 5 Oct., 608

WATER DEMINERALIZERS

Standard Scientific Supply Co.
1956: 8 June, 1050

X-RAY UNITS

Jarrell-Ash Co.
1956: 24 Feb., 306; 27 Apr., 702; 28 Sept., 563

ADVERTISERS APPEARING IN "THE MARKET PLACE" SECTION OF *SCIENCE*, 28 OCT. 1955 THROUGH 19 OCT. 1956

Abrahams Magazine Service
56 E. 13 St., New York 3, N.Y.

Albino Farms
P.O. Box 331, Red Bank, N.J.

Alpha Laboratories
262 Mott St., New York 12, N.Y.

American Lincoln Incubator Co.
645 Somerset St., New Brunswick, N.J.

Animal Welfare Institute
270 Park Ave., New York 19, N.Y.

Applied Science Laboratories, Inc.
140 N. Barnard St., State College, Pa.

Armour and Co. Research Division
Chicago, Ill.

Ashley-Ratcliff Corp.
24 E. 21 St., New York 10, N.Y.

Beckman Instruments, Inc., Beckman Div.
220 Wright Ave., Richmond 3, Calif.

Ben Venue Laboratories, Inc.
Bedford, Ohio

Beta Laboratories, Inc.
205 N. 3 St., Philadelphia 6, Pa.

Biological Stain Commission, University of Rochester Medical Center
260 Crittenden Blvd., Rochester 20, N.Y.

Boyce Thompson Institute for Plant Research
Yonkers 3, N.Y.

Budd Mt. Rodent Farm
R.R. #1, Chester, N.J.

Butterworth Hospital
Grand Rapids, Mich.

Canner, J. S., Inc.
46 Millmont St., Boston 19, Mass.

Cargille, R. P., Laboratories, Inc.
117 Liberty St., New York 6, N.Y.

Charles River Breeding Labs., Inc.
Wilmington, Mass.

Chromatography Co.
463 Fairfield Pike, Yellow Springs, Ohio

Dairy Industry Dept., Cornell University
Ithaca, N.Y.

Dawson, Kenneth A., Co.
106 Concord Ave., Belmont 78, Mass.

Electro-Medical Laboratory, Inc.
South Woodstock, Vt.

Endocrine Laboratories of Madison, Inc.
501 W. Beltline Highway, Madison 1, Wis.

Esbe Laboratory Supplies
459 Bloor St., W., Toronto, Canada

Falcon's Wing Press
Indian Hills, Colo.

Ferner, R. Y., Co., Inc.
110 Pleasant St., Malden 48, Mass.

Flanders Research Farms
Box 22A, Flanders, N.J.

Folkway Records & Service Corp.
117 W. 46 St., New York 36, N.Y.

Food Research Laboratories, Inc.
48–14 33 St., Long Island City 1, N.Y.

G & W Laboratories, Inc.
1–35 Ocean Ave., Jersey City, N.J.

Galesburg State Research Hospital
Galesburg, Ill.

Garfield, Oliver, Co.
126 Lexington Ave., New York 16, N.Y.

Gilson Medical Electronics (GME)
714 Market Place, Madison, Wis.

Greenwich Book Publishers, Inc.
489 Fifth Ave., New York 17, N.Y.

Gurley, W. & L. E.
Troy, N.Y.

Heffer, W., and Sons, Ltd.
Sidney St., Cambridge, England

Holtzman Rat Co.
Route 4, Badger Lane, Madison 5, Wis.

Hormone Assay Laboratories, Inc.
8159 S. Spaulding Ave., Chicago, Ill.

Hubbs, Charles F., and Co.
53–01 11 St., Long Island City 1, N.Y.

Hyland Laboratories
4501 Colorado Blvd., Los Angeles 39, Calif.

Ion Exchange Products
9349 Cottage Grove Ave., Chicago 19, Ill.

Isotopes Specialties Co., Inc.
703 S. Main St., Burbank, Calif.

Ithaca Dog Farm
R.R. #1, Ithaca, N.Y.

Johnson, Walter J.
125 E. 23 St., New York 10, N.Y.

Labtician Products Co.
190–04 99 Ave., Hollis 23, N.Y.

LaMotte Chemical Products Co.
Chestertown, Md.

LaWall & Harrisson
1921 Walnut St., Philadelphia 3, Pa.

Machlett, E., & Son
220 E. 23 St., New York 10, N.Y.

Mann Research Laboratories
136 Liberty St., New York 6, N.Y.

Manor Farms
Staatsburg, N.Y.

Medical Photography & Art Service
5354 Dixie Highway, Louisville 16, Ky.

Microchemical Specialties Co.
1834 University Ave., Berkeley 3, Calif.

Millerton Research Farm
Rudd Pond Rd., Millerton, N.Y.

National Press
435 Alma St., Palo Alto, Calif.

New England Nuclear Corp.
575 Albany St., Boston 18, Mass.

Nutritional Biochemicals Corp.
21010 Miles Ave., Cleveland 28, Ohio

Orlando Research, Inc.
P.O. Box 6491, Orlando, Fla.

Pacific Animal Farms
14516 S. Budlong Ave., Gardena, Calif.

Palo Laboratory Supplies
81 Reade St., New York 7, N.Y.

Pan-L-View
708 Church St., Evanston, Ill.

Peter Bent Brigham Hospital
721 Huntington Ave., Boston 15, Mass.

Principia Press, Inc.
Bloomington, Ind.

Public Affairs Press
2162 Florida Ave., Washington 4, D.C.

Research Specialties Co.
1148 Walnut St., Berkeley 7, Calif.

Rolfsmeyer, Dan, Co.
Route 3, Syene Rd., Madison 5 Wis.

Rudolph, O. C., & Sons
P.O. Box 466, Caldwell, N.J.

St. John X-Ray Laboratory
Califon, N.J.

Shankman Laboratories
2023 S. Santa Fe Ave., Los Angeles 21, Calif.

Sky & Telescope
Harvard College Observatory, Cambridge 38, Mass.

Sobotka, Eric
100 W. 42 St., New York 36, N.Y.

Sprague-Dawley, Inc.
P.O. Box 2071, Fitchburg Rd., Madison 5, Wis.

South Shore Analytical and Research Laboratory, Inc.
148 Islip Ave., Islip, N.Y.

Stokely-Peterson, Inc.
P.O. Box 1254, Madison 1, Wis.

Taconic Farms
Germantown, N.Y.

Target Earth
R.D. 1, Box 295, State College, Pa.

Technical Instrument Co.
122 Golden Gate Ave., San Francisco 2, Calif.

Technicon Chemical Co., Inc.
Chauncey, N.Y.

Thermalab, Inc.
P.O. Box 84, Silver Spring, Md.

Truesdail Laboratories, Inc.
4101 N. Figueroa St., Los Angeles 65, Calif.

Vantage Press, Inc.
120 W. 31 St., New York 1, N.Y.

Volk Radiochemical Co.
5412 N. Clark St., Chicago 40, Ill.

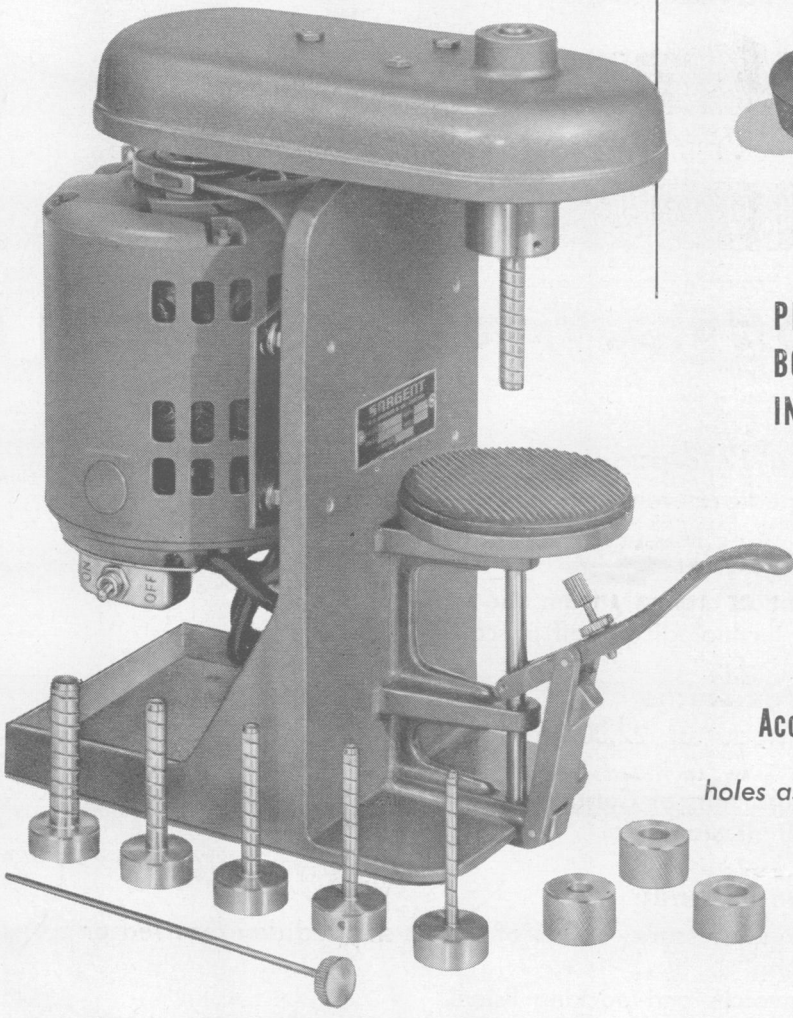
Wisconsin Alumni Research Foundation
P.O. Box 2059, Madison 1, Wis.

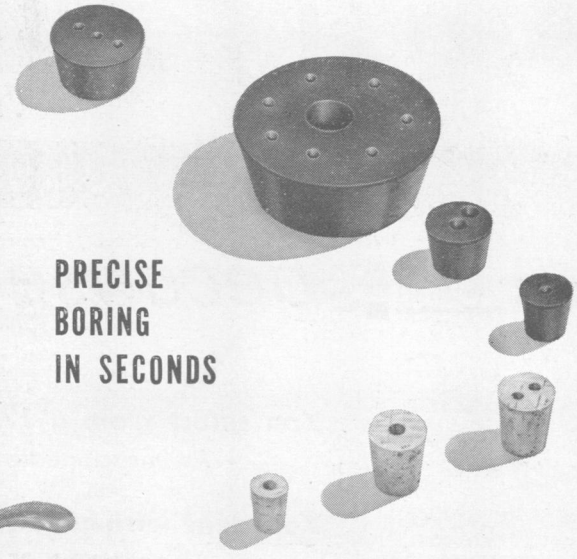
Worldpost
Tangier, Morocco

THE NEW SARGENT

POWER BORER

Designed and manufactured by E. H. Sargent & Co.





PRECISE BORING IN SECONDS

Efficient Boring • Fast and Easy To Use

Accurate Smooth Holes—*You can bore as many holes as the area of the cork or stopper will allow.*

Insures Parallel Alignment of Borings

Compact—Portable—Balanced

S-23207 POWER BORING MACHINE—Electric, Sargent. The apparatus is essentially a condensed drill press with the vertical motion inverted, the drilling platform being elevated with respect to a fixed bearing head by a compound lever mechanism. In operation the spindle which holds the borer is driven at a constant rate of 800 r.p.m. by a V-belt drive. This speed provides clean fast cutting over the entire range of common diameter from 5 to 22 mm. A safety limit adjustment saves cutting borer edges and eliminates frequent sharpening. This adjustment limit stop prevents contact of the cutting borer edge with the metal plate of the drilling platform but still permits penetration through the stopper into the rubber supporting disks and so assures clean breakout.

An ejecting rod supplied with the machine removes stopper plugs by inserting the rod through the hollow shaft and borer.

A special aluminum oxide sharpener supplied with the instrument maintains the correct cutting edge angle of the cutting borer to insure quick smooth boring and long borer life.

Height, 13½ inches; width, 6 inches; length, 14 inches; weight, 22 pounds.

Complete with six S-23211 stainless steel cutting tubes including one each size Nos. 1 to 6 inclusive, three knurled ring holders, one bottle of Aerosol, ejecting rod, aluminum oxide sharpener and three wire cord and plug for operation from 115 volt, 60 cycle A. C. circuit **$150.00**

For complete information write for bulletin No. PB

SARGENT

SCIENTIFIC LABORATORY INSTRUMENTS • APPARATUS • SUPPLIES • CHEMICALS

Catalog No. 100 Now Available

E. H. SARGENT & COMPANY, 4647 W. FOSTER AVE., CHICAGO 30, ILLINOIS
MICHIGAN DIVISION, 8560 WEST CHICAGO AVENUE, DETROIT 4, MICHIGAN
SOUTHWESTERN DIVISION, 5915 PEELER STREET, DALLAS 35, TEXAS
SOUTHEASTERN DIVISION, 3125 SEVENTH AVE., N., BIRMINGHAM 4, ALA.