

Equipment News

■ **CHROMATOGRAPHY CATALOG** by Schaar features complete listings of equipment, accessories, and chemicals currently being used in chromatographic analysis. New catalog items shown for the first time include tube set-ups, fraction collectors, electric desalter, solvents, chemical absorbents and ion exchangers, distillograph and chromatogram attachments for spectrophotometers. (Schaar and Co., Dept. Sci., 754 W. Lexington St., Chicago 7, Ill.)

■ **VERTICAL FORCE MAGNETOMETER** model A-2, a Schmidt-type magnetic balance for precise measurement of the vertical magnetic field intensity of the earth, can be used to trace favorable ore formations in drift-covered areas or as a direct guide to favorable ore locations in the absence of rock outcroppings. The magnetometer has a permanently attached compass. It has a sensitivity of 15 gammas per scale division and an intensity range of 0 to 15,000 gammas. The balance system utilizes permanent magnets of a newly developed alloy to insure high sensitivity and stability. The instrument is supplied with temperature compensator, specially constructed tripod for operation in soft snow and muskeg, auxiliary magnets and magnet holder, carrying case and the necessary adjustment tools. (Radiac Company, Inc., Dept. Sci., 489 Fifth Ave., New York.)

■ **STEEL PUMP PLATE** designed for experimental vacuum evaporations is useful for experimental evaporation and sputtering of metals, multilayer coatings, vacuum melting of metals, and vacuum impregnation. The plate measures 17 in. in diameter by $\frac{3}{4}$ in. in thickness and is ground to precision tolerances on the upper surface. Eight holes are provided for feed throughs and accessories. (Central Scientific Co., Dept. Sci., 1700 Irving Park Road, Chicago, Ill.)

■ **ORGANIC CHEMICALS** recently added to the Eastman list include the following: maleo-pimaric acid; *m*-bromo- α,α,α -trifluorotoluene; 5-chloro-2-hydroxy-4-methylhexanophenone; di-*n*-hexyl carbonate; 1-ethyl-1-(1-naphthyl)-2-thiourea; α -hydroxy-isobutyric acid; indoline; methyl 2-bromo-*n*-butyrate; 5,6,11,12-tetraphenyl-naphthacene; and 2,4,7-trinitro-9-fluorenone. (Distillation Products Industries, Dept. Sci., Rochester 3, N.Y.)

■ **PARTITIONER** makes automatic qualitative and quantitative analyses of gases and volatile liquids by gas-liquid partition chromatography. The instrument has a 14-ft thermostatted chromatographic column to resolve each mixture

into its components, and a built-in automatic integrator simultaneously computes and records a number proportional to the quantity of the component making the peak. The instrument is designed for identification of hard-to-differentiate trace impurities in solvents; on-the-spot analysis of fuels, flue and other plant-effluent gases, mine gases, air pollution, and smog; and quality control of foods, beverages, spices, tobacco, and perfumes. The partitioner, with 0.01- to 0.03-ml samples of liquid or 0.3- to 0.6-ml samples of gas, can be used to make an analysis of a multicomponent system in minutes, whereas distillation would require hours or days. (Fisher Scientific Co., Dept. Sci., 418 Fisher Bldg., Pittsburgh 19, Pa.)

■ **MAGNETIC SOUND CAMERA** with magnetic sound-on-film is a high-fidelity recording system that makes possible the filming of medical motion pictures with synchronized sound. The film passes through normal picture development and can be played back on any 16-mm magnetic sound projector. The Filmagnetic consists of a twin-head camera recording unit with record and instant-monitor magnet heads, a three-

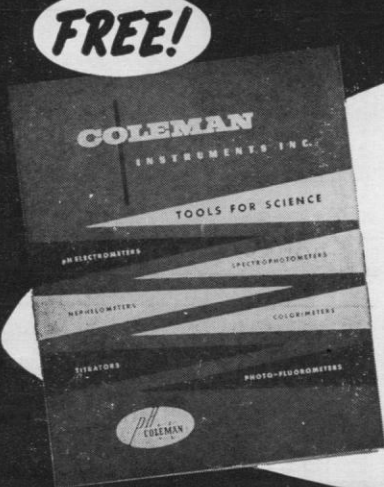
way input amplifier, high-fidelity microphone, complete cables, and self-contained batteries. (Berndt-Bach, Inc., Dept. Sci., 6900 Romaine St., Hollywood 38, Calif.)

■ **VACUUM DISTILLATION UNIT** gives closely identical results over a wide range of conditions and improves results obtained from ASTM-type vacuum distillations. Made of Pyrex glass, it incorporates all the equipment necessary to perform ASTM method D-1160-52T. The unit was developed by H. S. Meyers and A. T. Kiguchi of C. F. Braun and Co. (Glass Engineering Laboratories, Dept. Sci., 602 O'Neill Ave., Belmont, Calif.)

■ **FIELD CULTIVATION KIT** for rapid bacteriological analysis of water samples utilizes a membrane filter for removing bacteria from the sample. Provision is made for incubation with a new portable incubator that plugs into the cigarette lighter receptacle of an automobile. The unit will also operate on 110 or 220 v. By means of differential media, colonies of bacteria can be readily observed and identified within a 24-hr period. (Millipore Filter Co., Dept. Sci., Watertown 72, Mass.)

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POSITIONS WANTED

Biologist, M.S.; research experience, desires biological research position. Box 98, SCIENCE. X

Botanist, Ph.D.; 28, 2½ years' teaching biology, microbiology, and plant physiology. Desires teaching-research position. Research interest: algal physiology. Box 77, SCIENCE. 4/20; 5/11

Microbiologist, Ph.D., desires teaching and research position. Main interest, microbial physiology. Good background, general and applied bacteriology. Publications, experience. Box 96, SCIENCE. X

Microbiologist-Biochemist, Ph.D. Several years' research experience in microbial nutrition and metabolism, laboratory and Pilot plant scale; manometric and tracer techniques, bio-assay, chromatography; presently employed. Box 94, SCIENCE. 13, 20, 27 Apr.; 4 May

Pathologist Sc.D. (Cantab.), D.Sc. (Edin.), Ph.D., M.R.C.V.S.: basically trained in medical pathology in Germany and England; diverse and mature experience by studies on nature of diseases, with emphasis on experimental work, neuropathology, cancer, animal diseases, bacterial, virus and helminthic diseases and extensive chronic toxicity studies; more than 130 publications; excellent command of English and literary ability; other interests include history of medicine; desires position in teaching, research, administration, or medical editing and writing. Box 97, SCIENCE. X

Pharmaceutical Chemist, Ph.D.; 8 years research director, one of leading pharmaceutical companies. Medical Bureau (Burneice Larson, Director), Palmolive Building, Chicago. X

POSITIONS OPEN

(a) Assistant Director, division of clinical investigation, pharmaceutical company; duties: evaluation of new therapeutic agents, working with clinical investigators in university and research centers, developing new drugs; physician required. (b) Scientist with research interests and training in serology and immunochemistry; experience in streptococci desirable; faculty appointment; primary interest of group in rheumatic diseases; East. (c) Assistant Director, excellently equipped laboratories for scientific criminal investigation; Ph.D., trained in physiology, pharmacology, human anatomy, pathology. (d) Biochemist, Ph.D., to direct departments, human vaccine research and production; complete responsibility for project operation; Midwest. S4-3 Medical Bureau (Burneice Larson, Director), Palmolive Building, Chicago. X

Research Technician. Major in chemistry. White or colored. Salary commensurate with ability. Retirement, sick leave, and vacation benefits. Write giving qualifications to Mrs. K. Renee, Department of Internal Medicine, The University of Texas, Southwestern Medical School, 2211 Oak Lawn, Dallas, Texas. X

POSITIONS OPEN

Biochemist

Excellent opportunity in diversified research program for young biochemist on M.S. level, with ability to conduct experiments with minimum of supervision. Background in biochemical and endocrinological techniques and experience with laboratory animals essential. In confidence, send complete résumé and salary requirements to Personnel Director,

Schering Corp.

Manufacturer of Fine Pharmaceuticals
60 Orange Street Bloomfield, N.J.

Graduate Assistant in Biochemistry. Opportunity for part-time medical course work. Edwin H. Shaw, Jr., University of South Dakota, Vermillion, S.D. X

Entomologists: Positions are available with a major producer of agricultural chemicals for (1) A Ph.D. entomologist, 0-3 years' experience, for laboratory program involving screening and evaluation of candidate insecticides and miticides. Includes devising and modifying test procedures. Background in entomology, insect toxicology and physiology and biochemistry desirable. Location Middleport, N.Y. (2) Two M.S. or B.S. Entomologists, 0-5 years' experience. One to assist in above program at Middleport, the other to conduct field tests on new pesticides in southeastern U.S. with home-base at Jacksonville, Fla. Write to Research Department, Niagara Chemical Division, Food Machinery and Chemical Corporation, Middleport, N.Y. X

Medical Director Pharmaceuticals. Long established, medium-sized, midwest ethical pharmaceutical manufacturer seeks medical director. Newly created position reporting to president. Will direct clinical investigations and evaluation and handle major contacts with medical profession. Should be M.D. in good standing with pharmaceutical or clinical investigation experience. Age: under 55. All replies held confidential. Reply in detail to Box 95, SCIENCE. X

Physical Chemist, General Experimental Physicist, and Operations Analyst for varied program of industrial and military research. Previous research experience desirable. Salaries open. Reply with biographical sketch to Box 1093, Burlingame, California. 4/6, 13, 20

POSITIONS OPEN

X-RAY DIFFRACTION AND FLUORESCENCE

Opening for responsible individual to take charge of new, well equipped X-ray laboratory in Midwest. Experience and interest required in metallurgical, corrosion, general diffraction problems and fluorescence applications. Submit résumé and salary requirements. Send replies to Box 90, SCIENCE.

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