

indicated by an electron-ray indicator tube. Accuracies are: ± 0.1 percent for 0.1 mohm to 1.2 Mohm, ± 0.2 percent for 0.1 to 1200 μf , and ± 0.3 percent for 0.1 μh to 1200 h. (Electro-Measurements Inc., Dept. S527)

■ **X-Y RECORDER** draws curves in Cartesian coordinates. The unit has a sensitivity of 10 mv/in. Input resistance is 10,000 ohm. Writing speed is 7.5 in./sec on standard 8 1/2- by 11-in. graph paper. (Mandrel Industries, Dept. S464)

■ **AUTOMATIC BLOOD ANALYZER** determines urea and sugar in blood and calcium in serum. The samples to be analyzed are picked up by a tube from a rotating sample plate. Reagents are added by a proportioning pump. Diffusible constituents are removed by a dialyzer. Measurements are made by a photoelectric colorimeter and recorded graphically. (Technicon Company, Dept. S468)

■ **PULSE TRANSFORMER KIT** consists of 5 subminiature, metal-cased, hermetically sealed pulse transformers. The transformers measure 1/2 in. in diameter by 3/8 in. in length. Ferrite toroidal cores are used. (CBS Electronics Co., Inc., Dept. S478)

■ **SAMPLING SWITCH** has two poles and 30 contacts per pole, providing 60 channels in make-before-break operation. A filtered 27.5-v d-c motor rotates the switch at 2.5 rev/sec. (Applied Science Corp. of Princeton, Dept. S479)

■ **LOW-PASS FILTERS** are available for standard cutoff frequencies of 7, 20 and 40 kcy/sec. Attenuation is 1 db at the cutoff frequency and 12 db per octave at higher frequencies. Input impedance is 500 ohm, output impedance 4000 ohm. (Flow Corporation, Dept. S494)

■ **VACUUM SYSTEM** produces ultimate vacuum of 1.8×10^{-7} mm-Hg with liquid nitrogen trapping. Valves, controlled by lever operation, can be set to close automatically in case of vacuum failure. Both the high-vacuum and forepump pressures can be measured. The entire system is mounted on casters with jackscrews, adjustable from the top, for immobilizing the unit. (Scientific Engineering Laboratory, Dept. S497)

■ **DIFFERENTIAL TRANSFORMER KIT** consists of seven differential transformers having linear displacement ranges from ± 0.01 to ± 2.5 in., a flexure plate and clamp for positioning coils, and a demodulator which converts the a-c output of the transformer into d-c voltage. (Automatic Temperature Control Co., Dept. S498)

JOSHUA STERN

National Bureau of Standards

PERSONNEL PLACEMENT

CLASSIFIED: 18¢ per word, minimum charge \$3.60. Use of Box Number counts as 10 additional words.

COPY for classified ads must reach SCIENCE 2 weeks before date of issue (Friday of every week).

DISPLAY: Rates listed below — no charge for Box Number. Monthly invoices will be sent on a charge account basis — provided that satisfactory credit is established.

Single insertion	\$22.00 per inch
13 times in 1 year	21.00 per inch
26 times in 1 year	20.00 per inch
52 times in 1 year	19.00 per inch

For **PROOFS** on display ads, copy must reach SCIENCE 4 weeks before date of issue (Friday of every week).

Replies to blind ads should be addressed as follows:

Box (give number)
Science
1515 Massachusetts Ave., NW
Washington 5, D.C.

POSITIONS WANTED

Bacteriologist, Ph.D., with broad experience wishes change of academic position. Box 232, SCIENCE. X

Biochemist, Ph.D.; 3 years, full-time university teaching; 6 years, director, research, well-known institution; recognized as authority in field of steroid analysis. Medical Bureau, Burneice Larson, Director, 900 North Michigan Avenue, Chicago. X

POSITIONS OPEN

(a) Analytical Chemist and Biochemist, Ph.D.'s, to direct groups, new research center, large industrial company; Pacific Coast. (b) Toxicologist; although Ph.D. in pharmacology preferred, one with doctorate in biochemistry acceptable; industrial toxicology laboratory, large company; experience in industrial toxicology advantageous; \$10,000; East. (c) Medical Director; preferably one who completed training at least 5 years ago; duties: professional correspondence, lecturing, technical consultation, supervising clinical studies; important pharmaceutical company; university city, West. (d) American Professors in Anatomy, Pharmacology, Biochemistry, and Pathology to develop departments, postgraduate institute, foreign medical college; openings, also, for Assistant Administrator and Medical Librarian; transportation, homes provided; 2-year contracts. (e) Microbiologist, Ph.D.; duties principally research, supervising clinical diagnostic bacteriology, conducting tissue culture laboratory; research department, 600-bed hospital; \$7000-\$8000; East. S8-2 Medical Bureau, Burneice Larson, Director, 900 N. Michigan Avenue, Chicago. X

Bacteriologist to head division of bacteriology and serology in 450-bed hospital. Training in medical bacteriology preferred. Salary depends on experience and degree. Apply to Director of Laboratories, Good Samaritan Hospital, Dayton 6, Ohio. 8/2, 9

Biochemist, M.S., with experience in blood pigments. Full-time research; salary \$5000-\$6000; midwestern medical school. Send complete résumé. Box 226, SCIENCE. 8/9

Chemist. Teaching position in general chemistry, organic-biochemistry with some research opportunity. Salary (\$5500 to \$7500) and title depending upon qualifications and experience. Position is on a 10-month basis. Interview requested. Write details of training and experience to F. Reese Nevin, Chairman, Department of Science and Mathematics, State University Teachers College, Plattsburgh, New York. 8/2, 9

Clinical Chemist, with hospital experience preferred, for 450-bed hospital. Salary in range of \$5000 and dependent on degree and experience. Apply to Director of Laboratories, Good Samaritan Hospital, Dayton 6, Ohio. 8/2, 9

Director, diagnostic and research tuberculosis laboratory, central Florida, physician or non-physician microbiologist or clinical chemist. Part-time employment will be considered. Write Dr. Albert V. Hardy, Director, Bureau of Laboratories, State Board of Health, P.O. Box 210, Jacksonville, Florida. uc

POSITIONS OPEN

CHEMIST BIO-ORGANIC

Large progressive North Jersey ethical drug research laboratory needs young doctorate level chemist with 3 to 5 years' experience in the isolation and characterization of natural products, especially ANTIBIOTICS and alkaloids. Should be familiar with modern analytical procedures. Supervisory potential important. In confidence please send curriculum vitae, including salary requirements, to Box 229, SCIENCE.

Clinical Chemist, M.A. or Ph.D. Starting salary \$6000-\$9000 depending on qualifications. To head chemistry department small progressive hospital in rural Connecticut. Write Dr. M. Z. Rosenberg, Pathologist, Windham Community Memorial Hospital, Willimantic, Conn. X

Editor, Assistant. Scientific publishing house. Unusual opportunity. Background in science helpful. No publishing experience necessary. Some traveling; headquarters New York. Send résumé, salary desired. Box 231, SCIENCE. X

Medical Technicians, General (male) for employment with U.S. Government. Under 38 years of age. Must be U.S. citizen. Military experience in medical field desirable. Knowledge of x-ray and laboratory procedures necessary. Willing to serve overseas. Beginning salary \$4080 per annum plus allowances. We request that initial reply include professional background and military experience. Box 235, SCIENCE. 8/16, 23, 30; 9/6, 13, 20, 27

Microbiological Analyst needed. A bachelor of science in bacteriology with training in chemistry for full-time position, assisting with nutrition research. Write Professor M. L. Scott, Rice Hall, Cornell University, Ithaca, New York. X

Microbiologist. To head laboratory in Surgical Research Department. Dual appointment—Surgery and microbiology. Rank and salary depend on qualifications. Experience with clostridial toxins needed. Address Department of Surgery, Louisiana State University, School of Medicine, New Orleans, La. 7/26; 8/2, 9

PHYSIOLOGIST

Ph.D. required for high level position in basic research program devoted to the physiological and psychological phenomena accompanying sleep and wakefulness. This man must be a creative and energetic scientist, capable of leading and directing the work of physiologists, statisticians, and electronic engineers on a research program that has been in progress for more than 10 years. Salary open. Box CS 975, 125 W. 41 St., New York. X

Plant Physiologist, Ph.D., to work as member of a team on problems of soil moisture relations of crop plants. A full-time, research position with government agency. Location at outstanding state college in Southeast with complete research facilities. College staff status. Entrance salary from \$5440 to \$7570, depending upon postdoctoral experience and qualifications. Experience and/or training in the work area is desirable. Write to Box 221, SCIENCE. 8/2, 9

SCIENCE TEACHERS, LIBRARIANS, ADMINISTRATORS urgently needed for September positions in many states and many foreign lands. No fees. Apply direct. Also study awards. Rush \$1 for complete job data, salaries. CRUSADE, SCI, Box 99, Station G, Brooklyn 22, N.Y. EW TF