indicated by an electron-ray indicator tube. Accuracies: ± 0.1 percent for 0.1 to 1.0 mH, ± 0.2 percent for 0.1 to 1200 mH, and ± 0.3 percent for 0.1 mH 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 8½- 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 ½ in. in diameter by ¾ 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 kc/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 jackscres, 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 de-modulator 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 2nd, 3rd, or 4th insertion for same month. Prepayment of entire issue will be sent on a charge account basis — provided that satisfactory account has been maintained. Box number must be used.

Single insertion $22.00 per inch
13 times in 1 year 21.00 per inch
26 times in 1 year 16.00 per inch
52 times in 1 year 19.00 per inch

For PROOFS on display ads, copy must reach SCIENCE 2 weeks before date of issue (Friday of every week).

Notes to advertisers:

Replies to blind ads should be addressed directly to Box (give number)

Science

301 Massachusetts Ave., NW
Washington 5, D.C.

POSITIONS WANTED

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

Biochemist, Ph.D.; 5 years, full-time university teaching; 6 years, director, research, well-known institution; qualified in biochemistry and medical microbiology. Box 194, SCIENCE.

Chemist, Ph.D.; 6 years, work in medical research and teaching, including 3 years at major medical school. Box 192, SCIENCE.

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. Box 236, SCIENCE.

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

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 Chemistry, Rutgers University Teachers College, Plattsburgh, New York. Box 237, SCIENCE.

Clinical Chemist, with hospital experience preferred, for medical school in range of $5000 and dependent on degree and experience. Apply to Dean, Good Samaritan Hospital, Dayton 6, Ohio. Box 82, SCIENCE.

Director, diagnostic and research tuberculosis laboratory, central Florida. Position open to either medical doctor 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.

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. Inquire with curriculum vitae, including salary requirements, to Box 229, SCIENCE.

Clinical Chemist, M.A. or Ph.D. Starting salary $4500-$4700, depending on experience. To head chemistry department small progressive hospital in rural Connecticut. Write Dr. M. I. Rosenberg, Pathologist, Windham Community Memorial Hospital, Willimantic, Conn.

Editor, Assistant, Scientific publishing house. Unusual opportunity for imaginative, scientific help. No publishing experience necessary. Some traveling; headquarters New York. Send resume, salary desired. Box 225, SCIENCE.


Microbiological Analyst needed. A bachelor of science in bacteriology with training in chemistry for full-time position, assisting with research. Apply to Neill Scott, Rice Hall, Cornell University, Ithaca, New York.


PHYSIOLOGIST

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

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. Outstand-