

measurement is accurate within $\pm 1^\circ\text{F}$ to 100°F . The humidity-sensing element is an animal-membrane diaphragm; temperature is sensed by a bimetal cantilever. The chart is driven by a spring-wound clock (Serdex, Inc., Dept. 26)

■ **ELECTROSTATIC GENERATOR** of Van de Graaff type develops up to 250,000 v at a maximum current of 8 to 15 μa . The generator is self-excited and is powered by a 110-v induction motor. Accessories to be available in the future include an accelerator tube, discharge spheres, and a voltmeter. Over-all size is 29 in. (American Electrostatic Co., Dept. 35)

■ **FREQUENCY CALIBRATOR**, for the UHF-VHF range, supplies a series of simultaneous, uninterrupted, continuous-wave marker signals spaced every 50 Mcy/sec or 100 Mcy/sec over a frequency range 50 to 11,000 Mcy/sec. Accuracy is ± 0.005 percent at all frequencies; it is not affected by temperature or variations of input power. The calibrator is designed to be used with circuits having 50-ohm input impedance and d-c return. (Control Electronics Co., Inc., Dept. 34)

■ **ENVIRONMENTAL TEST CHAMBER** has control accuracy of $\pm 0.5^\circ\text{C}$ over the range -70° to $+200^\circ\text{C}$. Stabilization of

temperature at 150°C is achieved within 10 min when the trays have been exchanged. The temperature gradient across the trays is within $\pm 1^\circ\text{C}$. (Statham Development Corp., Dept. 33)

■ **THERMOCOUPLE** is leak-proof at pressures up to 80,000 lb/in.² and operates at temperatures up to 1000°F . The plug and sheath of the thermocouple tip are made of stainless steel. Couples are welded and made of either Iron-Constantan or Chromel-Alumel. (American Instrument Co., Inc. Dept. 46)

JOSHUA STERN
National Bureau of Standards

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Bacteriologist, Ph.D.; 7 years' teaching and research; 8 years, virologist and immunologist, research institution; 6 years, chief bacteriologist and immunologist, pharmaceutical company. Medical Bureau, Burneice Larson, Director, 900 North Michigan Avenue, Chicago. X

Biologist, Ph.D. 1950; microbial genetics, radiation genetics, cytology, isotopes, mycology, botany. Research and teaching experience, publications. Box 110, **SCIENCE**. 5/2

Biochemistry Technician able to set up routine clinical biochemistry laboratory. Box 117, **SCIENCE**. 5/9, 16

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Physiologist, Pharmacologist or Biochemist (Ph.D. or M.D.) required to direct newly established Anaesthesia Research Laboratory. Some teaching assignments to undergraduate and post-graduate students. Salary depending upon experience. For full particulars write to Gordon M. Wyant, F.F.A.R.C.S., Professor of Anaesthesia, University of Saskatchewan, Saskatoon, Saskatchewan, Canada. 4/25; 5/2

POSITIONS OPEN

(a) Chemist; experienced hospital chemistry to head department, approved 250-bed general hospital; midwestern college city. (b) Chemists; B.S., M.S., experienced micromethods, for research appointments pediatric biochemistry laboratory, large teaching hospital; western mountain city. (c) Bacteriologist; M.S. for newly created post, central laboratory operated by two pathologists in charge several hospital facilities; to \$6000; resort community 30,000, Midwest. (d) Pharmacologist; Ph.D. with extensive small animal experience to head well-equipped animal laboratories; stable ethical consultant firm; to \$8000, bonus and fringe benefits; Midwest. (e) Senior Research Biochemist; Ph.D. trained analytical, organic chemistry for development work in drug metabolism, planning drug distribution in experimental animals; \$7500 up; East. Woodward Medical Bureau, Ann Woodward, Director, 185 North Wabash, Chicago. X

DIRECTOR OF RESEARCH:

A moderate-sized, national, ethical pharmaceutical company has an unusual opportunity for an outstanding man. Ph.D. degree required. Experienced, preferably in industry; diversified scope, capable of directing various phases of research; thirty-five years of age, or older. Reorganization of department and opportunity of selecting and/or employing several associates; ideal working and living conditions in medium-sized city. Will be member of top-management team. Officership possible later. Your reply will be held in strictest confidence. Write Box 121, **SCIENCE**.

(a) Scientist with pharmaceutical or allied academic training and several years' industrial experience in pharmaceutical research development; Ph.D. helpful but not required; should be qualified to project coordination, large group of technical people; university city, East; \$8000-\$12,000. (b) Research Director; Ph.D., organic chemistry with broad experience in manufacturing chemistry industry; sense of economics, flair for administration required; \$15,000-\$20,000; East. (c) Director, Clinical Chemistry, preferably Ph.D. (chemistry); new 200-bed general hospital; well-staffed department; university city, Southwest. (d) Chemist qualified in microbiology to direct research laboratory, major industrial company; university city, East; \$10,000-\$12,000. (e) Two Chemists, one with master's degree, other with bachelor's degree; full-time research, genetics department, medical school; Southwest. S-51 Medical Bureau, Burneice Larson, Director, 900 North Michigan Avenue, Chicago. X

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Applications are invited for a Senior Lectureship in Zoology. Preference will be given to candidates with research experience in the fields of comparative physiology and biochemistry or entomology.

The salary range for senior lecturers is at present £A1850-£A2150 per annum plus a cost-of-living allowance (at present £42 per annum). The commencing salary will be determined on the basis of the qualifications and experience of the appointee. Salary scales are at present under review.

An allowance is made towards traveling expenses and housing assistance is available.

Further particulars and information as to the method of application may be obtained from the Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1.

The closing date for the receipt of applications, in Australia and London, is 30 June 1958. X

UNIVERSITY OF THE WITWATERS- RAND, JOHANNESBURG

Applications are invited for appointment to a post of Senior Lecturer on the staff of the University's Department of Physiology, Medical School. Candidates with a medical qualification or a higher degree in experimental physiology and/or biochemistry are eligible for appointment. Duties to be assumed as soon as possible.

The salary scale attached to the post of Senior Lecturer is £1200 x 50 - £1500. In addition, a married man will receive cost of living allowance at the rate of £234 per annum. The commencing salary will depend upon qualifications and experience in teaching and research.

Membership of the Provident Fund is compulsory and involves a contribution at the rate of 7 percent of the salary paid, the Government and the University together contributing an equal amount. Membership of the Staff Medical Aid Fund is compulsory in the case of an officer who is found eligible for membership.

Applicants are advised to obtain a copy of the information sheet regarding the above vacancy from the Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1.

Applications close in South Africa and London on 31 July 1958. X

Zoologist, Ph.D. Liberal arts college seeks department head. \$5480-\$5960 for 10½ months. Annual raises. Union College, Barbourville, Kentucky. 5/9