

nadian, Ste. Anne de Bellevue, Quebec. (M. H. Jones, Dept. of Chemistry, Ontario Research Foundation, 43 Queens Park, Toronto 5, Ont.)

12-14. Instrumental Methods of Analysis, internatl. Symp., Houston, Tex. (H. S. Kindler, Instrument Soc. of America, 313 Sixth Ave., Pittsburgh, Pa.)

12-14. Research Methods and Instrumentation Symp., 8th annual, Bethesda, Md. (J. B. Davis, National Institutes of Health, Bethesda 14.)

12-16. American Psychiatric Assoc., annual, San Francisco, Calif. (D. Blain, APA, 1785 Massachusetts Ave., NW, Washington 6.)

14. American Acad. of Arts and Sciences, Brookline, Mass. (R. W. Burhoe, 280 Newton St., Brookline 46.)

14-16. Society for Experimental Stress Analysis, Cleveland, Ohio. (W. M. Murray, P.O. Box 168, Cambridge 39, Mass.)

14-24. European Acad. of Allergy, The Hague, Netherlands. (EAA, 17 Emalaan, Utrecht, Netherlands.)

15-16. Operations Research Soc. of America, Boston, Mass. (M. L. Ernst, Box 2176, Potomac Station, Alexandria, Va.)

15-17. Basal Ganglia Surgery for Involuntary Movement Disorders, symp., New York. (Miss D. P. Frome, Office of Public Relations, New York University-Bellevue Medical Center, 550 First Ave., New York 16.)

18-24. Sanitary Engineering, 6th Inter-American Cong., San Juan, Puerto Rico. (E. Ortega, Box 218, San Juan.)

19-21. American Trudeau Soc., 53rd annual, Philadelphia, Pa. (K. R. Boucot, Woman's Medical College, Philadelphia.)

19-23. Gas Chromatography, 2nd symp., Amsterdam, Netherlands. (G. Dijkstra, Postbox 114, Vlaardingen, Netherlands.)

20-22. Biosynthesis of Terpenes and Sterols, Ciba Foundation symp. (by invitation), London, England. (G. E. W. Wolstenholme, 41 Portland Pl., London, W.1.)

20-24. American College of Cardiology, 7th annual, St. Louis, Mo. (P. Reichert, ACC, Empire State Bldg., New York 1.)

25-29. Air Pollution Control Assoc., 51st annual, Philadelphia, Pa. (H. M. Pier, APCA, 4400 Fifth Ave., Pittsburgh 13, Pa.)

25-29. Institute of Food Technologists, annual, Chicago, Ill. (C. S. Lawrence, IFT, 176 W. Adams St., Chicago 3.)

25-31. International Soc. of Gastroenterology, 3rd world cong., Washington, D.C. (H. M. Pollard, University Hospital, Ann Arbor, Mich.)

26-28. American Soc. for Quality Control, annual, Boston, Mass. (W. P. Youngclaus, Jr., ASQC, 161 W. Wisconsin Ave., Milwaukee 3, Wis.)

26-29. Comparative Endocrinology Symp., Cold Spring Harbor, N.Y. (Symposium of Comparative Endocrinology, Dept. of Zoology, Columbia Univ., New York 27.)

27-31. Thermal and Hydraulic Power Stations, Liège, Belgium. (A. Biron, 1, rue de Spa, Liège.)

28-8. European Federation of Chemical Engineering, 2nd cong., Brussels, Belgium and Frankfurt/Main, Germany. (Deutsche Gesellschaft für Chemisches Apparatewe-

sen, Rheingau-Allee 25, Frankfurt/Main.)

29-31. American Acad. of Dental Medicine, 12th annual, Montreal, Canada. (G. Witkin, AADM, 45 S. Broadway, Yonkers 2, N.Y.)

31-8. European Federation of Corrosion, 2nd cong., Frankfurt/Main, Germany. (Gesellschaft Deutscher Chemiker, Haus der Chemie, Karlstrasse 21, Frankfurt/Main.)

June

2-4. Telemetering Conf., 6th natl., Baltimore, Md. (G. M. Thynell, Applied Physics Lab., Johns Hopkins Univ., Silver Spring, Md.)

2-5. American Nuclear Soc., 4th annual, Los Angeles, Calif. (ANS, P.O. Box 963, Oak Ridge, Tenn.)

2-6. Mass Spectrometry, 6th meeting, New Orleans, La. (R. A. Friedel, U.S. Bureau of Mines, 4800 Forbes St., Pittsburgh 13, Pa.)

2-6. Medical Library Assoc., 57th annual, Rochester, Minn. (T. E. Keys, Librarian, Mayo Clinic, Rochester.)

2-6. Peaceful Uses of Atomic Energy in Australia, symp., Sydney, N.S.W. (Australian Atomic Energy Commission Research Establishment, Private Mail Bag, Sutherland, New South Wales.)

2-7. Mechanical Engineering, 7th internatl. cong., Scheveningen, Netherlands. (International Mechanical Engineering Cong., 10, avenue Hoche, Paris 8°, France.)

8-12. Special Libraries Assoc., annual, Chicago, Ill. (M. E. Lucius, SLA, 31 E. 10 St., New York 3.)

9-11. American Assoc. of Spectrographers, 9th annual symp., Chicago, Ill. (H. J. Hettel, Armour Research Foundation, 10 W. 35 St., Chicago 16.)

9-11. Canadian Federation of Biological Societies, 1st annual; with Canadian Assoc. of Anatomists, Canadian Biochemical Soc., Canadian Physiological Soc., and Pharmacological Soc. of Canada; Kingston, Ontario. (E. H. Bensley, Montreal General Hospital, 1650 Cedar Ave., Montreal 25, P.Q.)

9-11. Health Physics Soc., 3rd annual, Berkeley, Calif. (E. E. Anderson, Oak Ridge National Lab., Oak Ridge, Tenn.)

9-11. Soc. of General Physiologists, Woods Hole, Mass. (F. G. Sherman, Dept. of Biology, Brown Univ., Providence 12, R.I.)

9-12. Microscopy Symposium, 5th, Chicago, Ill. (W. C. McCrone, Jr., 500 E. 33 St., Chicago 16.)

9-13. Automation Exposition and Cong., 4th Internatl., New York. (International Automation Exposition, c/o Richard Rimbach Assoc., 845 Ridge Ave., Pittsburgh 12, Pa.)

10-12. Astronomical Soc. of the Pacific, annual, Los Angeles, Calif. (S. Einarsson, Leuschner Observatory, Univ. of California, Berkeley 4.)

10-13. Vacuum Techniques, 1st internatl. congress, Namur, Belgium. (E. Thomas, c/o CSN/ERM, 30, avenue de la Renaissance, Brussels 4, Belgium.)

11-12. Planned Experiment in Chemical Research Symp., Kansas City, Mo. (Chemistry Symp., Midwest Research Inst., 425 Volker Blvd., Kansas City 10.)

Equipment

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Science does not assume responsibility for the accuracy of the information. A coupon for use in making inquiries concerning the items listed appears on page 662.

■ **MULTIPOINT TEMPERATURE SCANNER** checks the outputs of from 4 to 56 thermocouples. If any of the thermocouples indicates a temperature beyond a preset limit, an alarm is sounded and an indicating light corresponding to that thermocouple remains lit. Scanning rate can be as rapid as 0.5 sec per point. (Tipptronic Inc., Dept. S890)

■ **STETHOSCOPE** is said to allow cardiovascular sounds to be heard approximately twice as loud as those heard through previous instruments. Interchangeable chest pieces permit accentuation of portions of the auscultatory spectrum. Stethoscope length is 20 in. Three sets of ear pieces are provided. (Sanborn Co., Medical Division, Dept. S935)

■ **AUTOMATIC TESTER** makes 30 wiring checks per minute. The device is capable of selecting a maximum of any five points simultaneously for test. Tests include continuity, condition of wire insulation, and resistance. (Allen B. Dumont Laboratories, Inc., Dept. S944)

■ **BLADE-EDGE MICROSCOPE** is designed to permit checking of leading and trailing edges of turbine blades. In the instrument a narrow band of light defined by a slit is projected obliquely around the edge of the blade to delineate a section. This is viewed obliquely through the microscope in which the elements are so arranged that obliquities cancel out. The resulting image is that of the normal cross section of the blade. Magnification is 40. (Engis Equipment Co., Dept. S952)

■ **KINEMATIC-VISCOSITY BATH** provides temperature uniformity of $\pm 0.02^\circ\text{F}$. The bath accommodates Ostwald, Ubbelohde, or S.I.L. suspended-level viscometers. Viscosities from 0.4 to 16,000 centistokes can be measured. Operation below room temperature can be provided. (Precision Scientific Co., Dept. S954)

■ **ANGULAR-DISPLACEMENT TRANSDUCER** operates on the variable reluctance principle. Rotation of a magnetic rotor varies the amount of ferromagnetic material in a fixed air gap, thereby varying the frequency of an oscillator as a linear function of angle. Ranges are ± 4 or ± 10

deg. Repeatability error is ± 0.5 percent or less of full range. Full-range frequency deviation falls between ± 6.53 and ± 5.77 percent of carrier. (Ultra-dyne Inc., Dept. S955)

■ **THICKNESS GAGE** measures and records deviations in the diameter of filamentary materials. Rubber pinch rolls draw the material through a light field. Variations in shadow size are detected by phototubes. Range of the device is approximately 0.001 to 0.100 in. diameter. (Industrial Gauges Corp., Dept. S957)

■ **METAL SCREEN** manufactured by electroplating has hole diameter of 9μ . Conical shaped holes are distributed 250,000/in². The screen can be supplied in pure nickel, pure copper, or other base metal and can be chrome plated for abrasion resistance. (Pyramid Screen Corp., Dept. S959)

■ **EXTREME-PRESSURE GAGE** measures pressures up to 100,000 lb/in². Each of 1000 indicator divisions can be read to one-fourth division or 250 lb/in². The measuring element, a heavy-walled eccentric tube, is contained within a cast-iron case with sheet-metal backing to ensure operator safety. (American Instrument Co., Inc., Dept. S960)

■ **POWER SUPPLY**, transistorized and regulated, delivers 0 to 32 v, 0 to 1 amp. Regulation is better than 0.03 percent or 0.003 v; ripple is less than 3 mv r.m.s. Recovery time is less than 50 μ sec. Output voltage is selectable with 0.005 percent resolution; and output impedance is less than 0.01 ohm. (Kepco Laboratories, Inc., Dept. S962)

■ **X-RAY VIEWER** enhances contrast of x-ray negatives to assist in interpretation. The viewer consists of a monochrome television monitor console and a flying-spot scanner. The image of the flying spot is focused on a negative which is placed before the scanner. Light passing through the negative is picked up by a phototube. The resulting video signal is fed to the monitor, where a greatly enlarged and contrast-enhanced image is displayed. Negatives may be quickly shifted to view selected areas. (Philco Corporation, Dept. S956)

■ **LIQUID-LEVEL CONTROL** operates on the principle that changes of level will change the back pressure of air being bubbled through the liquid. Air pressure in the line to the bubbler is transmitted to a static pressure regulator which in turn repositions a diaphragm control valve. Variation of level is maintained within ± 0.25 in. (Powers Regulator Co., Dept. S964)

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National Bureau of Standards

21 MARCH 1958



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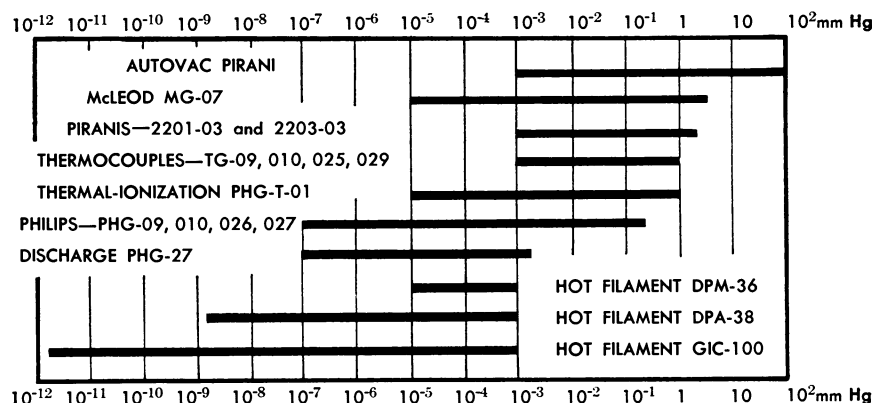
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General Physiologist, Physical Biologist, Ph.D., wishes opportunity for teaching and independent research in biological science. Publications: 6 years of intensive research; 3 years of teaching and research. Box 78, SCIENCE. 3/28

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Pharmacologist; 8 years, professor and head, pharmacognosy department, state university; 4 years, director of research, pharmaceutical company. Medical Bureau, Burnice Larson, Director, 900 North Michigan Avenue, Chicago. X

Physical Biochemist; Ph.D., 1951. Physiochemistry of proteins. Diversified experience; thermodynamics, kinetics enzymatic reactions, chromatography, steroids, instrumentation. Postdoctorate abroad; publications. Desires career position—academic, research institute, Box 72, SCIENCE. X

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Physiologist-Zoologist, Ph.D., 38. Seeks teaching position with opportunity for research. Major interests: (i) mammalian physiology, (ii) vertebrate anatomy, histology, and embryology, (iii) radiobiology. Experienced; over 40 publications in these areas. Societies; references. Box 77, SCIENCE. X

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Zoologist, Ph.D., professor, broad biological training and experience, desires department headship. Box 75, SCIENCE. 3/28

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Applications are invited for position, beginning September 1958, of **Assistant Professor of Biology** to teach invertebrate zoology. Opportunities for research available. Salary scale \$4400-6000. Appointment not necessarily at bottom of scale. University contributes toward moving expenses. Applications with curriculum vitae and names of three referees and a recent photograph should be sent to the Head, Department of Biology, Memorial University of Newfoundland, St. John's Newfoundland, Canada. 3/28; 4/4

Associate Medical Director to assist in clinical investigation for large Canadian firm of manufacturing chemists. Headquarters in Montreal. Some travelling involved. M.D. or Ph.D. in pharmacology. Box 74, SCIENCE. 3/28

(a) **Biochemist**, to head department, 500-bed general hospital; East; \$12,000. (b) **Pharmacologist** with extensive small animal experience to head animal laboratories; organization serving as consultants to food and pharmaceutical industries; well-equipped laboratory; medical school city; Midsouth; \$7000-\$8000. (c) **Director, Agricultural Development Staff; D.V.M.**, competent public speaker required; considerable travel, international chemical and pharmaceutical manufacturing company. (d) **Director, Clinical Chemistry**, preferably Ph.D. (chemistry); new 300-bed general hospital; well-staffed department directed by capable pathologist; university city; Southwest. S3-3 Medical Bureau, Burnice Larson, Director, 900 North Michigan Avenue, Chicago. X

Biologist, Ph.D. Eastern liberal arts college beginning September. Box 67, SCIENCE. 3/21

Index Editors, biological science publication: (a) Junior Grade, B.A. or B.S., biology or cognate science, mature, \$3600; (b) Senior Grade, M.A. or M.S., index experience or other base for work potential above duties at junior level, \$4500. Career posts with automatic and merit increases after training. Biological Abstracts, Index Department, 3815 Walnut St., Philadelphia 4, Pa. 3/28

Literature Biologist, with some library training and/or experience in acquisitions and records for challenging responsible position with biological information center in eastern city. Salary dependent upon qualifications; annual increases. Annual leave system; sick leave; retirement program. Please send details of qualifications and statement of salary requirements to Box 73, SCIENCE. 3/28

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An appointment under (1) above, will not be below the assistant professor level (minimum salary \$6000). The position described in (2) may be filled by a lecturer depending on qualifications of applicants.

Applications should be addressed to the Dean, Faculty of Arts and Science, University of Alberta, Edmonton, Canada, to arrive not later than 15 April; they should include transcripts of academic records, a curriculum vitae, a recent snapshot, if possible, and the names of three references, who should be asked to write directly to the Dean. Enquiries about the positions, duties, facilities, and so forth, should be addressed to the Head, Zoology Department, University of Alberta.

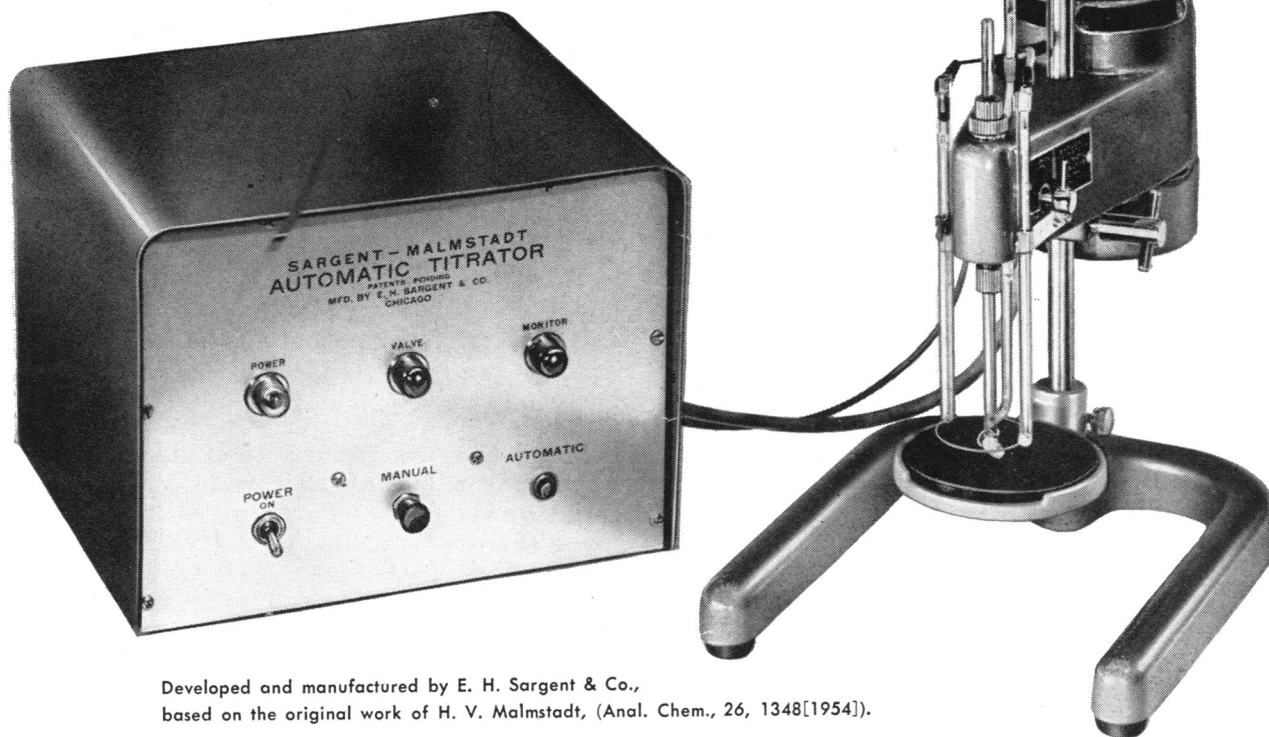
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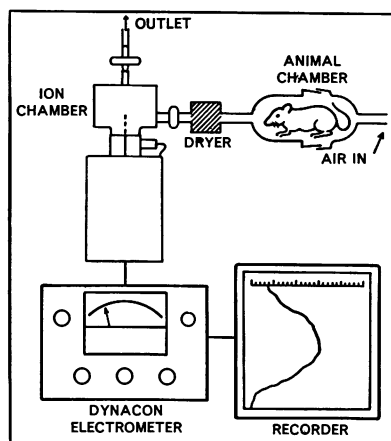
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