

BURRELL*"For Scientists Everywhere"*

LABORATORY SHAKERS

27-30. American Soc. of Agronomy, jointly with Crop Soc. of America, Council on Fertilizer Application, and Soil Science Soc. of America, St. Louis, Mo. (ASA, 2702 Monroe St., Madison, Wis.)

27-30. Entomological Soc. of America, Miami, Fla. (R. H. Nelson, 4603 Calvert Rd., College Park, Md.)

29-1. Communication Wires and Cables, symp., Asbury Park, N.J. (H. Kingsley, U.S. Army Research and Development Laboratory, Fort Monmouth, N.J.)

29-1. Western Surgical Assoc., San Francisco, Calif. (W. W. Carroll, 700 N. Michigan Ave., Chicago 11, Ill.)

30. American Geographical Soc., New York, N.Y. (C. W. Bastable, Columbia Univ., New York 27)

30-1. Conference on Graduate Medical Education, Philadelphia, Pa. (P. Nemir, Jr., Dean, Graduate School of Medicine, Univ. of Pennsylvania, Philadelphia)

30-1. Vehicular Communications, Minneapolis, Minn. (J. Kahnke, Minneapolis-Honeywell, Aero Div., 1541 Edgewater Ave., St. Paul 13, Minn.)

30-2. Purest Substances in Science and Technology, intern. symp., Dresden, Germany. (Sekretariat, Chemische Gesellschaft in der Deutschen Demokratischen Republik, Unter den Linden 68/70, Berlin W.8, Germany)

December

1. Symposium on Insulin, New York Diabetes Assoc., New York, N.Y. (New York Diabetes Assoc., 104 E. 40 St., New York 16)

1-2. Linguistic Circle of New York, 7th annual conf., New York, N.Y. (L. Urdang, Random House, Inc., 501 Madison Ave., New York 22)

2. International College of Surgeons, intern. executive council, Chicago, Ill. (H. E. Turner, 1516 Lake Shore Dr., Chicago 11)

2. New York State Registry of Medical Technologists, annual seminar, New York, N.Y. (S. H. Keeling, 1719 Midland Ave., Syracuse, N.Y.)

2-7. American Acad. of Dermatology and Syphilology, annual, Chicago, Ill. (R. R. Kierland, Mayo Clinic, Rochester, Minn.)

3-6. American Inst. of Chemical Engineers, New York, N.Y. (F. J. Van Antwerpen, AICE, 345 E. 47 St., New York 17)

4-6. Institute of the Aerospace Sciences, Aerospace Support and Operations, natl., Orlando, Fla. (R. J. Kotowski, 318 Virginia Dr., Melbourne, Fla.)

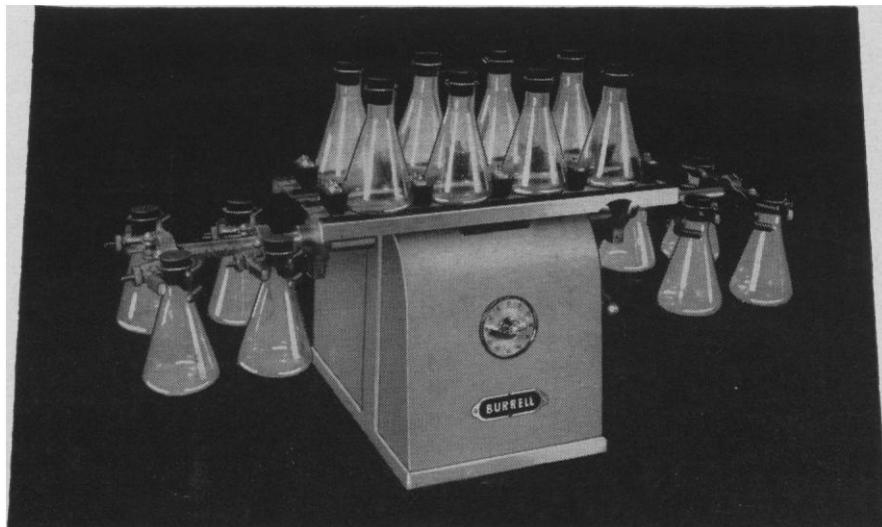
4-8. International Colloquium on Ionic Bombardment, Bellevue, France. (Natl. Scientific Research Center, 15 Quai Anatole France, Paris 7^e, France)

4-9. Mathematics Instruction at Secondary and University Levels, Inter-American conf., Bogota, Colombia. (M. Alonso, Div. of Science Development, Pan American Union, Washington 6)

4-9. World Federation of Neurology, Problem Commission of Tropical Neurology, Buenos Aires, Argentina. (P. Bailey, Natl. Inst. of Neurological Diseases and Blindness, Bethesda, Md.)

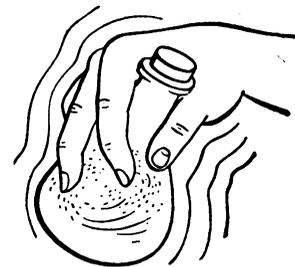
(See issue of 20 October for comprehensive list)

27 OCTOBER 1961



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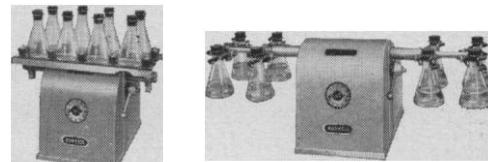


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| 75-750 | Burrell Heavy-Duty Shaker, Size 40 for 40 flasks—flat-top only | 400.00 |
| 75-765 | Build-Up Wrist-Action Shaker, Size T—for 8 top flasks | 230.00 |
| 75-775 | Build-Up Wrist-Action Shaker, Size BB—for 8 side flasks | 229.50 |

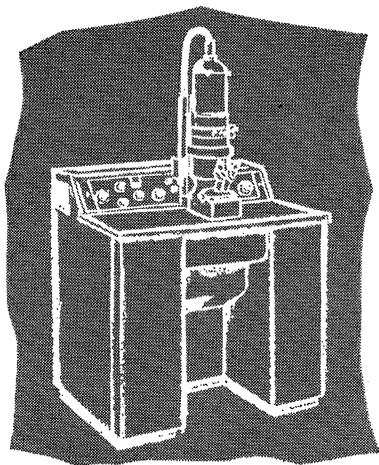
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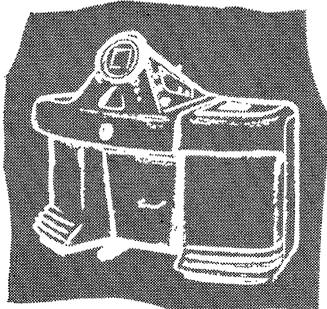
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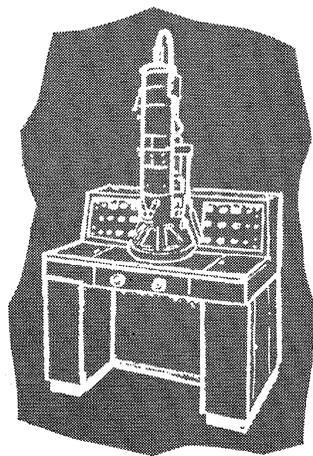


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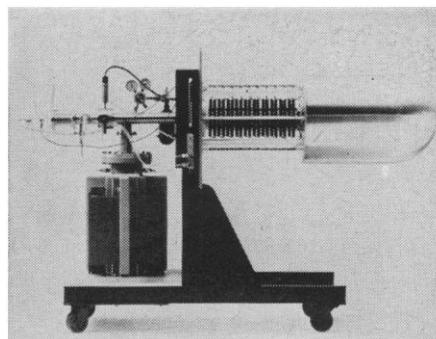
New Products

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Neither Science nor the writer assumes responsibility for the accuracy of the information. All inquiries concerning items listed should be addressed to the manufacturer. Include the department number in your inquiry.

Electron spin resonance spectrometer is designed especially for experimental use in the physics laboratories of schools. The instrument consists of a magnet power supply; a magnetic field unit; a unit containing an oscillator, detector, and amplifier; a sample holder; and an oscilloscope display unit. Operating frequency is variable from approximately 35 to 70 Mcy/sec; a calibration chart is supplied. Both the d-c magnetic field strength and the a-c sweep are controlled. The sweep may be varied from 0 to approximately 50 gauss (peak to peak) at 60 cy/sec. The sample holder accepts samples approximately 1 cm long by 4 mm in diameter. Larger samples require special holders. Sensitivity is sufficient to provide a signal suitable for lecture demonstrations. (Alpha Scientific Laboratories, Inc., Dept. Sci415, P.O. Box 333, Berkeley 1, Calif.)

Remote-handling system includes a vehicle with a telescoping mast, a model 150 mechanical arm, and an associated cable-linked control system. Optional equipment includes a remotely controlled hoist winch, dual television cameras, and a space microphone or intercom system. The handler can move through restricted openings and can work in confined areas. Minimum and maximum operational speeds are rated at approximately 8 and 100 ft/min, respectively. The vehicle travels up a 25-deg slope at 58 ft/min and surmounts minor irregularities or obstacles. Vehicle length and width are 30 and 24 in., respectively, and retracted height is 45 in. Vertical reach is 96 in., and horizontal reach is 41.5 in. in all directions. (General Mills, Inc., Dept. Sci441, 419 N. 5 St., Minneapolis 1, Minn.)

Neutron generator systems are available in various models. A standard system consists of a small mobile accelerator, a 150-kv power supply, and a remote-control console. A more sophisticated system offers pulsed operation. A radio-frequency type ion



source with an atomic-molecular ratio of 90 percent is used to deliver currents greater than 1 ma. Controllable yields of 4×10^{10} fast neutrons per second are said to be obtainable. A getter-type pumping assembly provides a vacuum of 10^{-7} mm-Hg. With a suitable moderator, a thermal neutron flux of 5×10^7 neutrons per square centimeter per second may be obtained. Neutrons are generated by the reaction $D^2 + T^3 = He^4 + n^1 + 17.577$ Mev. (Nuclear-Chicago Corp., Dept. Sci431, 359 E. Howard Ave., Des Plaines, Ill.)

JOSHUA STERN

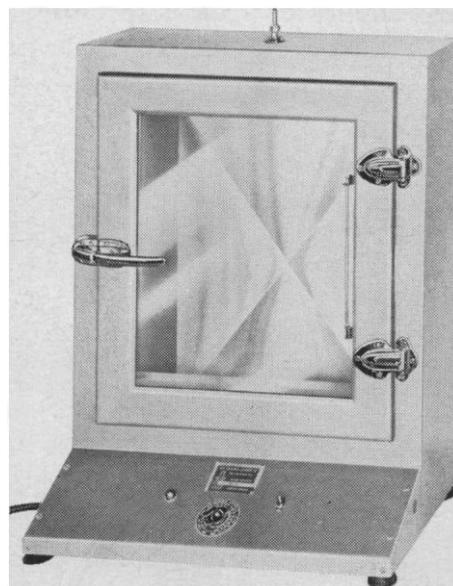
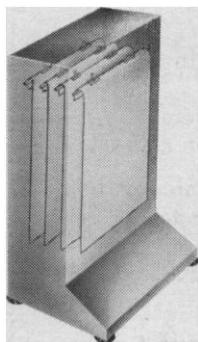
National Bureau of Standards,
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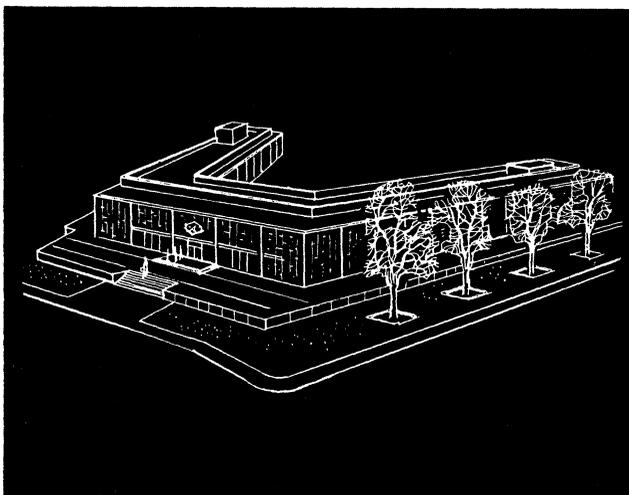
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First, there must exist a corporate philosophy that prompts bold, imaginative research and insures that the individual contributor is recognized and rewarded. Secondly, there must be the freedom that encourages frequent and continuing interdisciplinary exchange. Above all, there must be men—scientists who combine enthusiasm with true professional competence and who are interested in teaching as well as learning.

At Miles Laboratories we are certain that such a creative environment already exists. We are also equally certain that this environment will measurably assist the serious scientist in achieving his professional objectives. If you are currently seeking an affiliation that will effectively utilize your previous experience, training and skills, you are invited to investigate these immediate openings:

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Will be responsible for staffing and leading a group of immunologists in a research program leading towards applications in the diagnosis and treatment of diseases. Must have a Ph.D. and/or M.D. degree and several years' experience.

RESEARCH CHEMIST

To carry out synthetic organic chemistry studies to provide new compounds of potential therapeutic interest. Must have Ph.D. degree and a minimum of 1-2 years' synthetic organic chemistry experience.

RESEARCH PHARMACOLOGIST

Will supervise administration of new drugs to animals for determination of acute LD 50's and to observe gross pharmacological effects. Additional responsibilities will include carrying out chronic toxicological studies on new compounds of interest. Must possess a Ph.D. degree and previous toxicological experience.

ASSISTANT RESEARCH BIOCHEMIST

Will be responsible for carrying out clinical chemical investigations in connection with laboratory evaluations of new drugs. Should possess a B.S. in chemistry or biology plus experience as a medical technologist.

Inquiries May Be Addressed In Complete Confidence To:

Dr. R. A. McCracken (Personal discussions can be arranged at your convenience, including Saturdays, in Elkhart, Indiana)

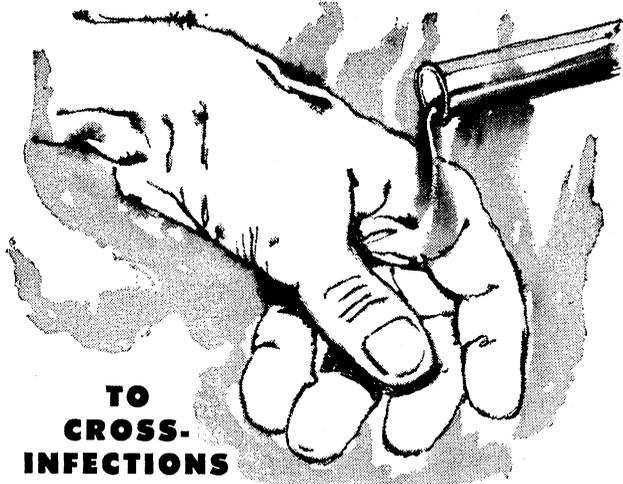
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* In April 1960 issue of Lab World.

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Applications are invited for the post of Visiting Professor of Oceanography at the University of Cape Town.

The salary is R5000 (£2500) per annum. A special traveling allowance will be paid in terms set forth in the memorandum referred to below.

The University desires to make an appointment from 1 July 1962, and in the first instance the appointment will be for 1 year. By mutual agreement the period may be extended for two further years, and may thereafter be made permanent.

Two copies of the application stating research experience, publications, and the names of at least two referees, should be sent to the Secretary, Association of Universities of the British Commonwealth, Marlborough House, Pall Mall, London, S.W.1. (from whom copies of the memorandum giving further details about the post should be obtained) by 31 December 1961. A third copy of the application should be sent (by airmail if necessary) to the Registrar, University of Cape Town, Private Bag, Rondebosch, Cape Town, South Africa, to reach him by the same date.

It is essential that the program of research which the applicant proposes to undertake while at Cape Town should accompany his application.

Details of research facilities in marine science and the duties of the visiting professor are set out in the above-mentioned memorandum.

The University reserves the right to appoint a person other than one of the applicants or to make no appointment. X

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Forward applications, accompanied by a recent photograph, curriculum vitae, transcript of academic record, and names and addresses of three references to the Head, Department of Animal Science, University of Alberta, Edmonton, Alberta. Closing date: 1 January 1962; duties to commence as soon as possible thereafter but not later than 1 July 1962.

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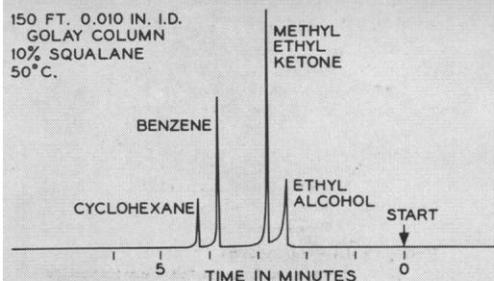
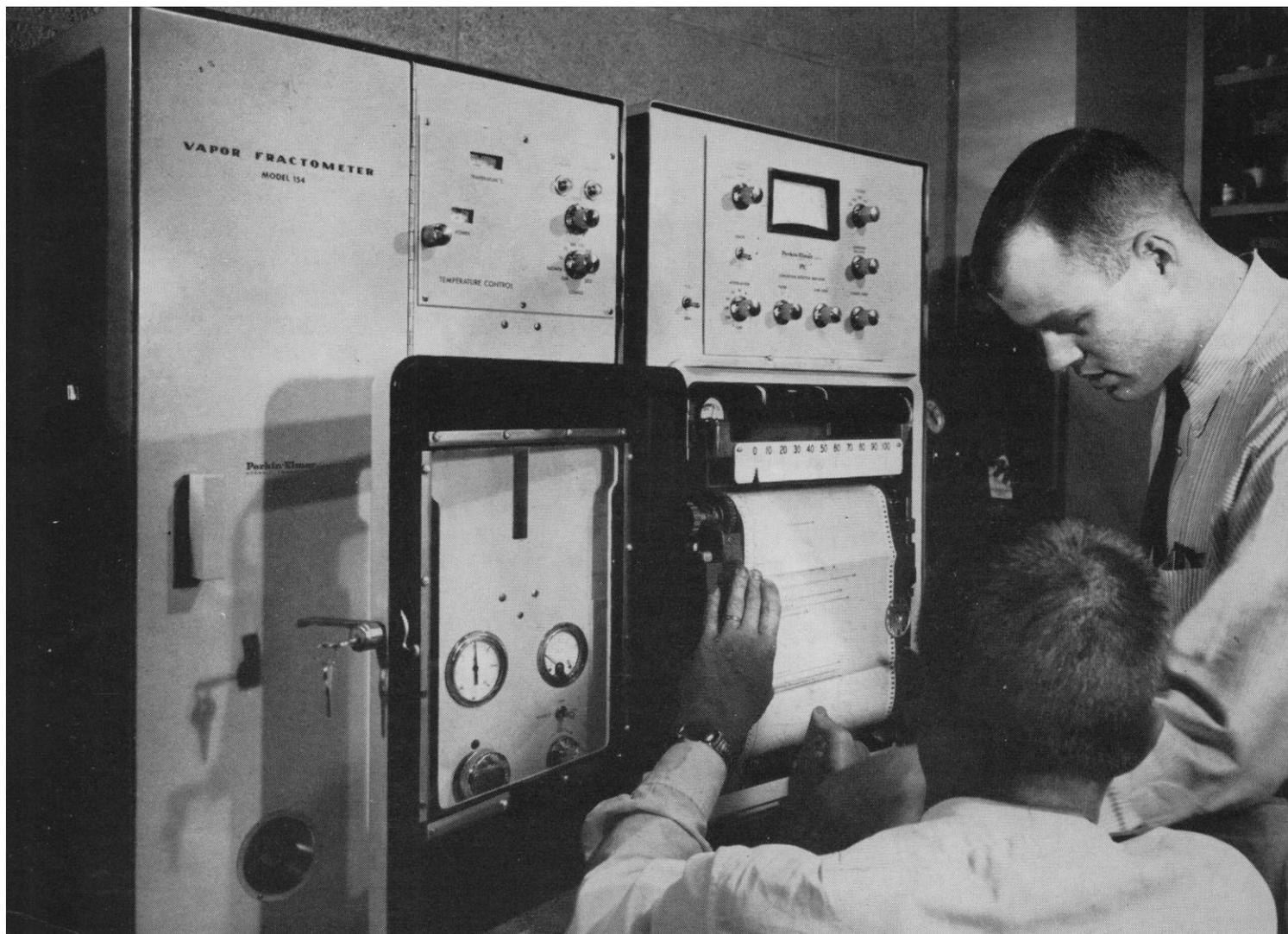
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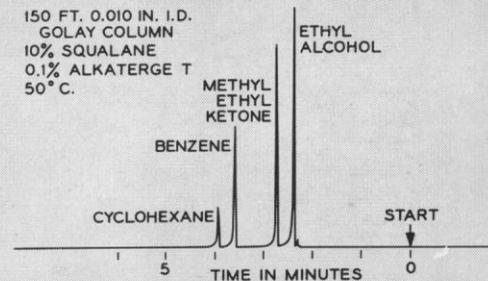
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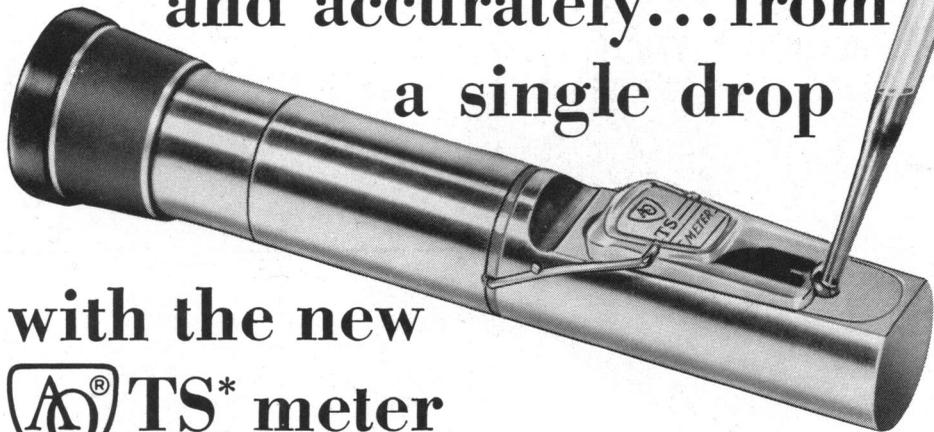
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1. Patent applied for. 2. Averill, W., 1961 International Gas Chromatography Symposium. I.S.A., Michigan State University, East Lansing, Mich., June 13-16, 1961. 3. U.S. Patent No. 2,920,487.

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