8-11. American Electroencephalographic Soc., Atlantic City, N.J. (G. A. Ulett, Malcolm Bliss Mental Health Center, 1420 Grattan, St. Louis 4, Mo.)

8-18. International Organization for Standardization, general assembly (members only), Finland. (American Standards Association, 70 East 45 St., New York 17)

9-11. Society of Biological Psychiatry, Atlantic City, N.J. (G. N. Thompson, 2010 Wilshire Blvd., Los Angeles 57, Calif.)

9-17. European Convention of Chemical Engineering, Frankfurt, Germany. (DECHEMA, Postfach No. 7746, Frankfurt/Main 7)

11–15. American Soc. of Mechanical Engineers, summer annual, Los Angeles, Calif. (O. B. Schier II, 29 W. 39 St., New York 18)

12-13. Radio Frequency Interference, 3rd natl. symp., Washington, D.C. (E. F. Mischler, National Engineering Service, Washington, D.C.)

12-14. American Dairy Science Assoc., Madison, Wis. (H. F. Judkins, 32 Ridgeway Circle, White Plains, N.Y.)

12-14. American Neurological Assoc., Atlantic City, N.J. (M. D. Yahr, Neurological Inst., 710 W. 168 St., New York 32)

12-14. Society for the Study of Development and Growth, regeneration symp., Williamstown, Mass. (A. C. Braun, Rockefeller Inst., New York 21)

12-15. Nature of the Real, conf., Milwaukee, Wis. (E. D. Simmons, Dept. of Philosophy, Marquette Univ., Milwaukee 3)

12-15. Physics of Electronic and Atomic Collisions, intern. conf., Boulder, Colo. (B. Bederson, Physics Dept., New York Univ., New York 53)

12–16. Association of Official Seed Analysts, Richmond, Va. (D. D. Forsyth, Agronomy Building, Madison 6, Wis.)

12-16. Molecular Structure and Spectroscopy, symp., Columbus, Ohio. (R. A. Oetjen, Dept. of Physics and Astronomy, Ohio State Univ., Columbus 10)

12-18. European Assoc. for Animal Production, 8th intern. cong., Hamburg, Germany. (European Assoc. for Animal Production, Via Barnaba Oriana 28, Rome, Italy)

12-24. European Inst. of Scientific Studies for the Prevention and Treatment of Alcoholism, Amsterdam, Netherlands. (D. Ehlbeck, Intern. Bureau against Alcoholism, Case Gare 49, Lausanne, Switzerland)

12-29. Statistical Quality Control Intensive Courses for the Chemical and Processing Industries, 18th annual, Rochester, N.Y. (H. M. Kentner, Extended Services Div., Rochester Inst. of Technology, Rochester 8)

13-14. Product Engineering and Production, 5th natl. conf., Philadelphia, Pa. (P. J. Riley, R.C.A., Building 10-6, Camden 2, N.J.)

13-16. Gas Chromatography Symp., 3rd biennial, East Lansing, Mich. (J. E. Callen, Procter and Gamble Co., Miami Valley Laboratories, P.O. Box 175, Cincinnati 39, Ohio)

13-16. Institute of Aerospace Sciences and American Rocket Soc., Los Angeles,

Calif. (Inst. of Aerospace Sciences, 2 E. 64 St., New York 21)

13-18. Nuclear Congress, 6th, Rome, Italy. (Ufficio Stampa e Relazioni Pubbliche-CNEN, Via Belisario 15, Rome)

14-16. Applied Mechanics Conf., Chicago, Ill. (American Soc. of Mechanical Engineers, Meetings Dept., 29 W. 39 St., New York 18)

14-16. Semiconducting Compounds, conf., Schenectady, N.Y. (W. W. Tyler, General Electric Research Laboratory, Schenectady)

14-16. Theory of Weak and Strong Interactions, conf., La Jolla, Calif. (T. A. Manar, Scripps Institution of Oceanography, La Jolla)

14-17. American Assoc. of Bioanalysts, Dallas, Tex. (L. D. Hertert, 490 Post St., Room 1049, San Francisco 2, Calif.)

16-17. Meteoritical Soc., Nantucket, Mass. (G. L. Rowland, Long Beach City College, Long Beach 8, Calif.)

17-21. American Nuclear Soc., Boston Mass. (O. J. Du Temple, ANS, 86 E. Randolph St., Chicago 1, Ill.)

18–21. American Astronomical Soc., Nantucket, Mass. (J. A. Hynek, Dearborn Observatory, Northwestern Univ., Evanston, Ill.)

18-23. American Meteorological Soc., 193rd natl., and Pacific Div., AAAS, 42nd annual, Davis, Calif. (AMS, 45 Beacon St., Boston 8, Mass.)

18-23. American Soc. of Medical Technologists, Seattle, Wash. (Miss R. Matthaei, Suite 25, Hermann Professional Bldg., Houston 25, Tex.)

19-21. American Soc. of Pharmacognosy, annual summer meeting, Houston, Tex. (R. S. Westby, Eli Lilly and Co., 740 S. Alabama St., Indianapolis 6, Ind.)

19-23. Conference on Carbon, 5th biennial, University Park, Pa. (Fifth Carbon Conf., Pennsylvania State Univ., Conference Center, University Park)

19-24. Feed Microscopy, annual meeting and special short course, Denver, Colo. (C. Jones, Colorado Department of Agriculture, 3130 Zuni St., Denver 11)

19-30. Astrophysics Seminar, Cloud-croft, N.M. (J. R. Foote, P.O. Box 1053, Holloman Air Force Base, N.M.)

21–1. International Plastics Exhibition and Convention, London, England. (British Plastics, Dorset House, Stanford St., London, S.E.1)

22-23. American Rheumatism Assoc., Dallas, Tex. (F. E. Demartini, 622 W. 168 St., New York 32)

22-23. Computers and Data Processing, 8th annual symp., Estes Park, Colo. (W. H. Eichelberger, Denver Research Inst., Univ. of Denver, Denver, Colo.)

22-24. Endocrine Soc., New York, N.Y. (H. H. Turner, 1200 N. Walker, Oklahoma City 3, Okla.)

22-26. American College of Chest Physicians, New York, N.Y. (M. Kornfeld, 112 E. Chestnut St., Chicago 11, Ill.)

23-25. American College of Angiology, 7th annual, New York, N.Y. (A. Halpern, Secretary, 11 Hampton Court, Great Neck, N.Y.)

25-28. American Soc. of Agricultural Engineers, annual, Ames, Iowa. (J. L. Butt, 420 Main St., St. Joseph, Mich.)

(See issue of 21 April for comprehensive list)

NEWS

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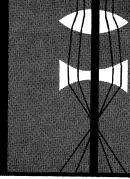
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#### **New Products**

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.

- ALPHA PARTICLE COUNTER (Fig. 1) for classroom demonstration is an open-air spark type. Particles are detected by small sparks that occur whenever a particle ionizes a path in the air between the counter's nickel-chromium grid and detector plate. An accessory power supply maintains a potential of about 5000 v between the grid and the plate. The source of alpha radiation is mounted on a rod that can be adjusted in relation to the counter grid. A clear plastic cover protects the radioactive source from student contact and dust. (Central Scientific Co., Dept. Sci169, 1700 Irving Park, Chicago 13, Ill.)
- SPECTRUM ANALYZER covers the frequency range 50 to 100 kMcy/sec in three bands: 50 to 62 kMcy/sec, 60 to 80 kMcy/sec, and 75 to 100 kMcy/ sec. The entire range is covered by one tuning head. Dispersion is continuously adjustable between 50 and 1000 Mcy/ sec. Frequency markers of ±5-percent accuracy are provided for spectrum calibration. Nominal sensitivity is -50 dbm from 50 to 100 kMcy/sec. (Polarad Electronics Corp., Dept. Sci170, 43-20 34 St., New York 1)
- REFRIGERATED CONTINUOUS-FLOW CENTRIFUGE develops 28,000 grav at 18,750 rev/min. Automatic temperature control of materials within the continuous-flow rotor is provided. Feeding of sample and coolant is controlled by a metered pump system. Sample delivery and return lines are insulated. A roller-mill assembly permits reconstituting sediments within a rotor. The rotor allows displacement volumes of either 100 or 400 ml, and it can be emptied of certain sediments without opening the rotor or scraping the rotor walls. (Spinco Div., Beckman Instruments, Inc., Dept. Sci157, Stamford Industrial Park, Palo Alto, Calif.)
- MICROVOLT POTENTIOMETER has a range of 0 to 1110 uv with a resistance of 100 ohm/mv. The power source is a built-in saturated standard cell which is said to be capable of supplying the 10-µa current drawn by the potentiometer for long periods of time without damage. The instrument is designed to compare two voltages that are within 0.1 percent of each other within 1 μv directly, or within a fraction of a microvolt by interpolation on a galvanometer. (Physics Research Laboratory, Dept. Sci166, P.O. Box 555, Hempstead, N.Y.)

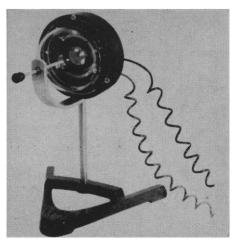


Fig. 1. Alpha particle counter.

- VOLTAGE DIVIDER is relay-operated with accuracy said to be  $\pm$  0.003 percent over the unit's full service life and range of operation. The divider response time is less than 15 msec; thus it is suitable for operation by keyboard, punched paper tape, or punched cards. Dimensions are 3.75 by 7.25 by 1.25 in. Multiple units may be stacked vertically on 1.5-in. centers. (Julie Research Laboratories, Inc., Dept. Sci179, 603 W. 130 St., New York 27)
- SONIC DELAY LINE features multiple taps every 1 msec, with a total of 100 taps. Tap accuracy is said to be better than 0.5 percent; additional taps can be provided. Cut-off frequency is 400 cy/sec; phase linearity is said to be better than 0.75 percent up to 300 cy/sec; attentuation is 20 db at 300 cy/sec, and impedance is 1 kohm. The delay line can be cascaded with some sacrifice of bandwidth and attenuation. (Control Electronics Co., Dept. Sci-187, Huntington Station, N.Y.)
- INFRARED SPECTROPHOTOMETER is a flat-bed type recording instrument covering the range of 650 to 5000 wave numbers in a scanning time of 10 min. The scan may be stopped and started at any point. The photometer is of the double-beam type with a Nernst filament radiation source. Radiation entering the monochromator is interrupted at a 10 cy/sec rate; slits are programmed for constant energy; the level of the program may be varied. The dispersing element is a 60-deg, rock-salt prism; the radiation detector is a Golay cell. A potentiometer accessory permits any chosen portion of the transmittance scale to be expanded on an external recorder. A variety of sample cells is available. (Unicam Instruments Ltd., Dept. Sci159, Asbury Works, Cambridge, England)

Washington, D.C.

JOSHUA STERN National Bureau of Standards,

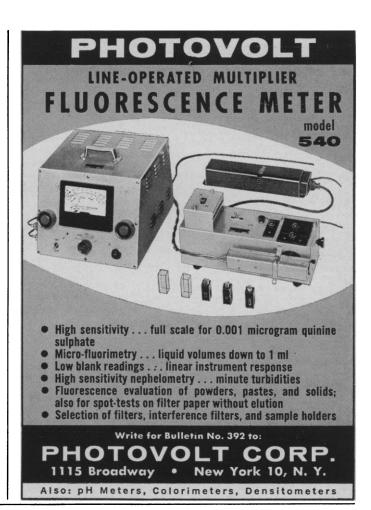
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M.D., M.S. pharmacology, age 36, experience in medical writing, desires position as medical writer or editor. Box 88, SCIENCE. 4/28

Veterinary Pathologist, Ph.D. Teaching and research experience. Desires position with chemical or pharmaceutical company. Box 91, SCIENCE. X

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Requests for application forms and additional information should be addressed to William Haddon, Jr., M.D., Director, Epidemiology Residency Program, New York State Department of Health, 84 Holland Avenue, Albany 8, New York.

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1959

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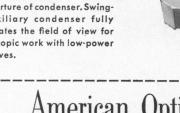
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