soc., annual, Chicago, Ill. (H. Swanberg, 510 Maine St., Quincy, Ill.)

28–29. Chemistry of Lignin, Polysaccharides and Related Substances, symp., Tucson, Ariz. (Dept. of Chemistry, Univ. of Arizona, Tucson.)

28–29. International Professional Union of Gynecologists and Obstetricians, 1st cong., Madrid, Spain. (J. Courtois, St. Germain-en-Laye, Seine-et-Oise, France.)

30. American College of Dentists, annual, Atlantic City, N.J. (O. W. Brandhorst, 4221 Lindell Blvd., St. Louis, Mo.)

30–4. Electrochemical Soc., Cleveland, Ohio. (H. B. Linford, 216 W. 102 St., New York 25.)

October

1–2. American Soc. of Photogrammetry, semiannual, Denver, Colo. (C. E. Palmer, ASP, 1515 Massachusetts Ave., NW, Washington 5.)

1–3. Institute of Radio Engineers, Canadian convention, Toronto, Canada. (G. Sinclair, Electrical Engineering Dept., Univ. of Toronto, Toronto.)

1–3. National Electronics Conf., 12th annual, Chicago, Ill. (NEC, 84 E. Randolph St., Chicago 1.)

1–4. American Dental Assoc., annual, Atlantic City, N.J. (H. Hillenbrand, ADA, 222 E. Superior St., Chicago 11, Ill.)

1–4. Semiconductor Symposium, Cleveland, Ohio. (M. F. Lamorte, Semiconductor Dept., Westinghouse Electric Corp., Youngwood, Pa.)

1–5. American Inst. of Electrical Engineers, fall general, Chicago, Ill. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

1–5. International Cong. on Medical Records, 2nd, Washington, D.C. (Miss G. L. Perkins, American Assoc. of Medical Record Librarians, 510 N. Dearborn St., Chicago 10, Ill.)

1–10. Weights and Measures, international committee, Paris, France. (C. Volet, International Bureau of Weights and Measures, Pavillon de Breteuil, Sevres (Seine-et-Oise), France.)

2–14. Engineers Cong., 2nd international Federation of National Associations of Engineers, Zurich, Switzerland. (Federation Internationale d'Associations Nationales d'Ingenieurs, 19, rue Blanche, Paris 9e, France.)

8. Science and Human Welfare, international conf., American Inst. of Geonomy and Natural Resources, Washington, D.C. (R. M. Field, AIGNR, South Duxbury, Mass.)

8–10. National Clay Conf., 5th, Urbana, Ill. (R. E. Grim, Univ. of Illinois, Urbana.)

8–12. American College of Surgeons, 42nd annual clinical cong., San Francisco, Calif. (ACS, 40 E. Erie St., Chicago 11, Ill.)

8–12. International Decennial Review Conf. on Tissue Culture, Woodstock, Vt. (P. R. White, Jackson Memorial Laboratory, Bar Harbor, Me.)

8–12. National Metal Cong., 38th annual, Cleveland, Ohio. (American Inst. of Mining, Metallurgical and Petroleum Engineers, 29 W. 39 St., New York 18, N.Y.)

8–12. Pan-American Federation of Engineering Societies, 4th convention, Mexico, D.F., Mexico. (S. E. Reimel, Engineers Joint Council, 29 W. 39 St., New York 18.)

8–13. International Cancer Cytology Cong., Chicago, Ill. (A. H. Dearing, College of American Pathologists, Prudential Plaza, Chicago 1.)

9–10. Air Research and Development Command Science Symposium (classified), 4th annual, Boston, Mass. (Headquarters, ARDC, U.S. Air Force, P.O. Box 1395, Baltimore 3, Md.)

9–12. American Dietetic Assoc., 39th annual, Milwaukee, Wis. (Mrs. T. Pollen, ADA, 620 N. Michigan Ave., Chicago 11, Ill.)

9–15. World Medical Assoc., 10th general assembly, Havana, Cuba. (L. H. Bauer, WMA, 345 E. 46 St., New York, N.Y.)

10–12. Indiana Acad. of Science, Bloomington. (W. A. Daily, Eli Lilly Research Laboratories, Indianapolis 6, Ind.)

10–18. Arid Zone Climatology with Special Reference to Microclimatology, international symposium, Melbourne and Canberra, Australia. (UNESCO, 19 Avenue Kléber, Paris 16e, France.)

11–12. International Scientific Radio Union, U.S. National Committee, Berkeley, Calif. (J. P. Hagen, 2101 Constitution Ave., NW, Washington 25.)

14–17. Society of American Foresters, Memphis, Tenn. (H. Clepper, SAF, 17th and Pennsylvania Ave., NW, Washington 6.)

14–19. American Acad. of Ophthalmology and Otolaryngology, annual, Chicago, Ill. (W. L. Benedict, 100 First Ave. Bldg., Rochester, Minn.)

15–17. Assoc. of Official Agricultural Chemists, annual, Washington, D.C. (W. Horwitz, Box 540, Benjamin Franklin Station, Washington 4.)

15–17. Soil Conservation Soc. of America, Tulsa, Okla. (H. W. Pritchard, SCSA, 1016 Paramount Bldg., Des Moines, Iowa.)

15–18. American Veterinary Medical Assoc., annual, San Antonio, Tex. (J. G. Hardenbaugh, AVMA, 600 S. Michigan Ave., Chicago 5, Ill.)

15–19. American Soc. of Civil Engineers, annual, Pittsburgh, Pa. (W. H. Wisely, ASCE, 33 W. 39 St., New York 18.)

15–26. New York Acad. of Medicine, annual graduate fortnight, New York, N.Y. (Secretary, Graduate Fortnight, NYAM, 2 E. 103 St., New York 29.)

16–17. National Acad. of Economics and Political Science, Washington, D.C. (D. P. Ray, George Washington Univ., Washington 6.)

16–18. Conference on Magnetism and Magnetic Materials, Boston, Mass. (T. O. Paine, Measurements Laboratory, General Electric Co., West Lynn, Mass.)

17–19. Symposium on Antibiotics, 4th annual, Washington, D.C. (H. Welch, Div. of Antibiotics, Food and Drug Administration, U.S. Dept. of Health, Education, and Welfare, Washington 25.)

18–19. Institute of Management Sciences, 3rd annual, Los Angeles, Calif. (C. M. Kelly, Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.)

(See issue of 17 August for comprehensive list)

Equipment News

All inquiries concerning items listed here should be addressed to Science, *Room 604, 11 W. 42 St., New York 36, N.Y. Include the name(s) of the manufacturer(s) and the department number(s).*

■ SERUM-AGAR MEASURING AID, for photometric quantitation of serum-agar columns, indicates density and distance of leading edges, trailing edges, and zone widths of diffusing precipitin systems. (Analytical Instruments, Dept. S13)

■ PIEZOELECTRIC PRESSURE TRANSDUCER employs sensitive elements of the lead zirconate formulations and provides free-field pressure-time traces for sound or shock waves. It covers a range of up to 1000 lb/in.^{2} and flat frequency response (±2 db) from 1 to 80,000 cy/sec. Capacitance of the unit is 0.0025 μf, and its d-c resistance is maintained above 500 Mohm. The sensitivity of the instrument is stable over a temperature range of from −40° to 100°C. (Atlantic Research Corp., Dept. S20)

■ METABOLISM CAGE permits laboratory investigation of the excretion patterns of small animals that have been injected with C^{14}-labeled compounds. Toluene is used as a urine preservative in the collecting flask and serves as an indicator for the system. The air from the chamber is bubbled through an alkaline absorption column, from which the CO_2 may be recovered for radioassay. The central column is removable through a rubber sleeve for replacement, and a filling funnel and side arm makes possible the replacement of the absorbing solution, which is removed at the bottom of the tower. A trap in the floor of a feeder prevents the animals from pulling small crumbs into the cage. Temperature may be controlled with fans and moist towels under difficult weather conditions. A bank of three or four cages can utilize a single manostat set at about 10 mm-Hg below 1 atm. (Birsch Scientific Co., Dept. S16)

■ ISOTOPE INDEX lists the sources of known commercially available isotopes. Included are stable and radioactive isotopes and a large number of compounds labeled C^{14}, I^{134}, P^{32}, S^{35}, deuterium, and other isotopes. Chemical name or formula, specific activity, interfering activities, half-life, and principal radiation are given for each of more than 2000 items. The 64-page publication also includes sections on available calibration samples and radiographic and therapeutic sources. (Scientific Equipment Corp., Dept. S21)

■ PYROMETER SYSTEM for measurements up to 1000°C employs a first-surfaced spherical mirror to collect energy, which is interrupted at 180 cy/sec and focused on a thermistor-bolometer detector. The detector is bridge-connected to a compensating thermistor; its amplified and rectified output is proportional to the difference in radiant energy between the radiation tested and that of an internal source. Focusing is accomplished by moving the detector-preamplifier assembly. The field of view is 1°, and the over-all response time is 25 msec. (Servo Corp. of America, Dept. S29)

■ LOW-BACKGROUND DETECTOR measures low-energy beta radiations. Cosmic-ray and gamma-ray shielding are incorporated. A halogen-filled, flat Geiger-Müller counter with a 1-in. diameter mica window is incorporated within a sealed Lucite housing. The samples fit into a receptacle in the slide of this housing. A 2-in. lead shield cuts out all but high-energy gamma radiation. The voltage plateau, with a slope of about 0.1 percent, covers about 100 v. The over-all efficiency with a thin source of Y^{90} is 24 percent. Sensitivities at which ±10-percent accuracy is attainable are 1.2, 0.7, and 0.5 count/min for counting times of 6, 12, and 24 hours. (Isotopes, Inc., Dept. S31)

Report to Members on Sale of AAAS Symposium Volumes

Of the 42 symposium volumes published by the Association, 15 remain available. Available titles are listed with prices—retail and special prepaid member prices—the number sold since publication, and the number sold during the year July 1955 through June 1956.

	Year published	Retail price	Members' prepaid price	Number of copies sold	Number sold July 1955-June 1956
Psychopharmacology	1956	$3.50	$3.00	2415	2415
The Luminescence of Biological Systems	1955	7.00	6.00	715	589
Advances in Experimental Caries Research	1955	6.75	5.75	575	432
Antimetabolites and Cancer	1955	5.75	5.00	1335	923
Fluoridation as a Public Health Measure	1954	4.50	4.00	1936	640
Sex in Microorganisms	1954	5.75	5.00	1137	330
Monomolecular Layers	1954	4.25	3.75	1042	210
The Present State of Physics	1954	6.75	5.75	1209	213
Astronomical Photoelectric Photometry	1953	3.75	3.25	822	103
Soviet Science	1952	1.75	1.50	3369	310
Industrial Science—Present and Future	1952	2.00	2.00	1944	65
Centennial	1950	5.00	4.50	2341	40
The Rickettsial Diseases of Man	1948	6.25	5.25	1408	41
Approaches to Tumor Chemotherapy	1947	7.75	6.50	1849	43
Mammary Tumors in Mice	1945	3.50	3.00	1586	33

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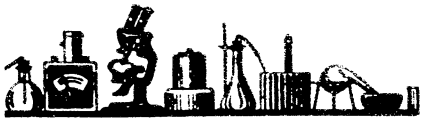

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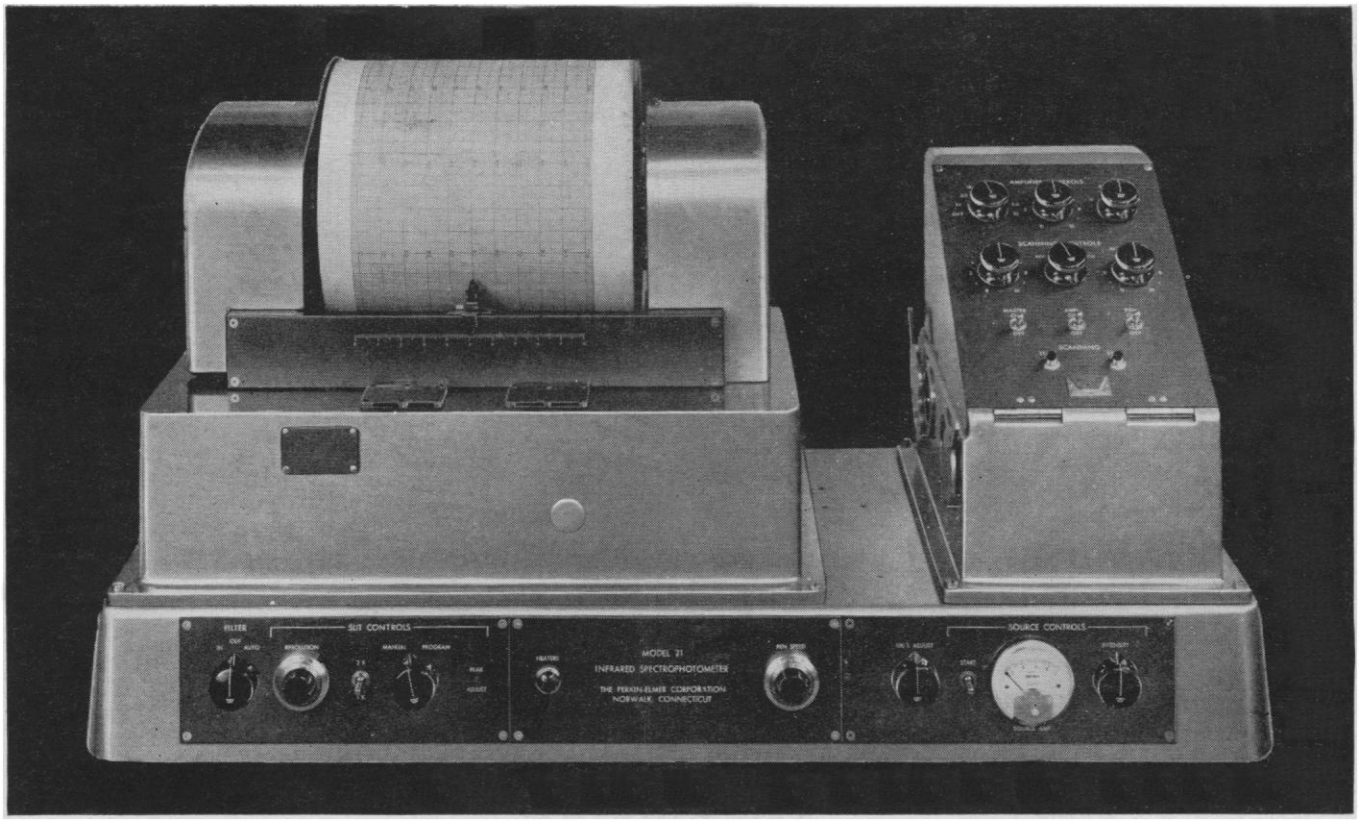

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