

Meetings

Forthcoming Events

August

24-28. American Inst. of Biological Sciences, annual, Bloomington, Ind. (H. T. Cox, AIBS, 2000 P St., NW, Washington 6.)

The following 25 meetings are being held in conjunction with the AIBS meetings at Bloomington, Ind.

American Bryological Soc., annual. (Mrs. V. S. Bryan, Botany Dept., Duke Univ., Durham, N.C.)

American Fern Soc., annual. (Miss M. E. Faust, 501 University Pl., Syracuse 10, N.Y.)

American Microscopical Soc., annual. (D. G. Frey, Dept. of Zoology, Indiana Univ., Bloomington.)

American Phytopathological Soc., 50th anniversary. (W. B. Hewitt, Dept. of Plant Pathology, Univ. of California, Davis.)

American Soc. for Horticultural Science, annual. (R. E. Marshall, Dept. of Horticulture, Michigan State Univ., East Lansing.)

American Soc. of Ichthyologists and Herpetologists, annual. (R. Conant, Philadelphia Zoological Garden, 34th and Girard Ave., Philadelphia 4, Pa.)

American Soc. of Limnology and Oceanography. (B. H. Ketchum, Woods Hole Oceanographic Inst., Woods Hole, Mass.)

American Soc. of Naturalists. (B. Wallace, Long Island Biological Assoc., Cold Spring Harbor, N.Y.)

American Soc. of Parasitologists, annual. (P. E. Thompson, Research Div., Parke, Davis & Co., Detroit 32, Mich.)

American Soc. of Plant Physiologists, annual. (G. R. Noggle, Dept. of Botany, Univ. of Florida, Gainesville.)

American Soc. of Plant Taxonomists. (R. F. Thorne, Botany Dept., State Univ. of Iowa, Iowa City.)

American Soc. of Zoologists. (S. Crowell, Dept. of Zoology, Indiana Univ., Bloomington.)

Biometric Soc., ENAR. (T. W. Horner, General Mills, Inc., 400 Second Ave., S., Minneapolis 1, Minn.)

Botanical Soc. of America, annual. (H. C. Bold, Dept. of Botany, Univ. of Texas, Austin 12.)

Ecological Soc. of America. (J. E. Cantlon, Dept. of Botany and Plant Pathology, Michigan State Univ., East Lansing.)

Mycological Soc. of America, annual. (E. S. Beneke, Dept. of Botany and Plant Pathology, Michigan State Univ., East Lansing.)

National Assoc. of Biology Teachers. (P. Fordyce, Broad Ripple High School, Indianapolis, Ind.)

Nature Conservancy. (G. B. Fell, 4200 22 St., NE, Washington 18.)

Phycological Soc. of America, annual. (W. A. Daily, Dept. of Botany, Butler Univ., Indianapolis 7, Ind.)

Potato Assoc. of America, annual. (R. V. Akeley, Crops Research Div., USDA, Plant Industry Station, Beltsville, Md.)

Society for Industrial Microbiology, annual. (C. L. Porter, Dept. of Biological Sciences, Purdue Univ., West Lafayette, Ind.)

Society of Protozoologists, annual. (N. D. Levine, College of Veterinary Medicine, Univ. of Illinois, Urbana.)

Society for the Study of Development and Growth. (R. O. Erickson, Dept. of Botany, Univ. of Pennsylvania, Philadelphia 4.)

Society of Systematic Zoology. (R. E. Blackwelder, Box 500, Victor, N.Y.)

Tomato Genetics Cooperative. (E. C. Stevenson, Horticulture Dept., Purdue Univ., West Lafayette, Ind.)

24-29. Atmospheric Diffusion and Air Pollution, intern. symp., Oxford, England. (F. N. Frenkiel, Applied Physics Laboratory, Johns Hopkins Univ., Silver Spring, Md.)

24-29. Mental Health, world federation, 11th annual, Vienna, Austria. (Miss E. M. Thornton, World Federation for Mental Health, 19 Manchester St., London, W.1, England.)

24-30. Astronautical Cong., 9th intern., Amsterdam, Netherlands. (A. G. Haley, International Astronautical Federation, 1735 DeSales St., Washington.)

24-30. Prehistoric and Protohistoric Science, 5th intern. cong., Hamburg, Germany. (Büro des Internationalen Kongresses für Vor- und Frühgeschichte, c/o Fremdenverkehrs- und Kongresszentrale,

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25-28. Institute of Mathematical Statistics, annual, Cambridge, Mass. (G. E. Nicholson, Jr., Dept. of Statistics, Univ. of North Carolina, Chapel Hill.)

25-28. Mathematical Assoc. of America, 39th summer, Cambridge, Mass. (H. M. Gehman, Univ. of Buffalo, Buffalo 14, N.Y.)

25-29. Infrared Spectroscopy Inst., annual, Nashville, Tenn. (J. R. Lawson, Fisk Univ., Nashville 8.)

25-29. Electronic Properties of Metals at Low Temperatures, IUPAP colloquium, Geneva, N.Y. (M. D. Fiske, General Electric Co., P.O. Box 1088, Schenectady, N.Y.)

25-30. American Mathematical Soc., 63rd summer, Cambridge, Mass. (AMS, 190 Hope St., Providence 6, R.I.)

27-29. American Sociological Soc., annual, Seattle, Wash. (Miss M. W. Riley, ASS, New York Univ., Washington Sq., New York 3.)

27-29. Diseases in Nature Communicable to Man, 13th annual intern. Northwest conf., Hamilton, Montana. (W. L. Jellison, National Microbiological Inst., Rocky Mountain Laboratory, USPHS, Hamilton.)

27-3. British Assoc. for the Advancement of Science, Glasgow, Scotland. (BAAS, Burlington House, London, W.1, England.)

28-2. Biometric Soc., ENAR, Ottawa, Ont., Canada. (T. W. Horner, General Mills, Inc., 400 Second Ave., S., Minneapolis 1, Minn.)

28-3. Combustion Symp., 7th intern., London and Oxford, England. (Combustion Inst., 936A Union Trust Bldg., Pittsburgh 19, Pa.)

31-6. Housing and Town Planning, 24th cong., Liège, Belgium. (International Federation for Housing and Town Planning, Parkhotel, Molenstraat 53, The Hague, Netherlands.)

31-8. Corpuscular Photography Colloquium, 2nd intern. (by invitation), Montreal, Canada. (P. Demers, Institut de Physique, Université de Montreal, P.Q.)

September

1-6. Biochemistry, 4th intern. cong., Vienna, Austria. (O. Hoffmann-Ostenhof, 1, Chemisches Institut der Universität, Währingerstrasse 42, Vienna IX.)

1-7. Psychotherapy, intern. cong., Barcelona, Spain. (M. de la Cruz, Clínica Psiquiátrica Universitaria, Facultad de Medicina, Barcelona.)

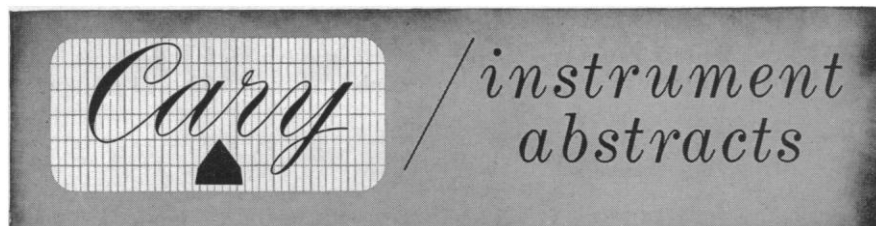
1-9. Analogy Computation, 2nd intern., Strasbourg, France. (F. H. Raymond, 138 Boulevard de Verdun, Courbevoie, Seine, France.)

1-13. Peaceful Uses of Atomic Energy, 2nd intern. conf., Geneva, Switzerland. (L. D. P. King, Atomic Energy Commission, Washington 25.)

2-4. Allergy, 4th European cong., London, England. (British Assoc. of Allergists, St. Mary's Hospital, London, W.2.)

2-4. Vertebrate Phylogeny Symp., Soc. of Vertebrate Paleontology and Soc. for the Study of Evolution, Ann Arbor, Mich. (J. T. Gregory, Peabody Museum, Yale Univ., New Haven, Conn.)

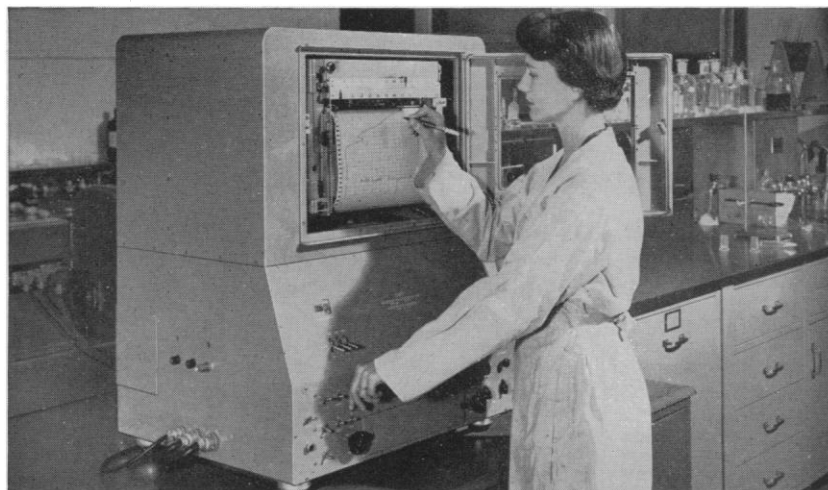
(See issue of 18 July for comprehensive list)



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at the Richfield Laboratories

Cary Model 14 Spectrophotometer enables determination of lead concentrations to one part per billion



The destructive effect of lead on the activity of costly catalysts makes accurate determinations of even minute amounts extremely important. With improved techniques now in use at the new Research Laboratories of the Richfield Oil Corporation, Anaheim, California, chemists can determine lead concentrations in naphtha charge stocks within one part per billion.

The conventional dithizone colorimetric procedures can be used to estimate the lead concentration to an accuracy of approximately 10 parts per billion. A refinement of this procedure, employing the Cary Model 14 Recording Spectrophotometer, is used to more precisely determine the concentration.

The color intensity of the lead dithizone solution is measured at 5100 Angstroms for the unknown sample and for two standard solutions whose concentrations are respectively a little more and a

little less than the estimated concentration of the unknown. By interpolating, the analyst can then determine the lead concentration of the unknown to an accuracy of one part per billion or better.

In this procedure, the high photometric accuracy of the Model 14 is of primary importance in reliably recording the minute differences in absorbance values between the sample and standards. This high photometric accuracy is one of several performance features provided in each Cary Recording Spectrophotometer to a degree not found in any other similar instruments. Perhaps these advantages can lead to new breakthroughs in your analytical techniques. Complete information on both Cary Spectrophotometers, Model 11 and Model 14, is contained in a bulletin which is available upon request. Ask for Data File E10-78.

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	MODEL 11 2100Å to 8000Å	MODEL 14 1860Å to 2.6 microns.
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STRAY LIGHT	Less than 0.0001% over most of working range.	Less than 0.0001% between 2100Å and 1.8 microns; less than 0.1% at 1860Å and 2.6 microns.
SCANNING SPEEDS	From 1.0Å/sec. to 125Å/sec.	From 0.5Å/sec to 500Å/sec.
RESOLUTION	Better than 1.0Å throughout range.	Better than 1.0Å U.V.-visible region and 3.0Å near-infrared.
WAVELENGTH ACCURACY	Better than 5.0Å U.V. region and 10.0Å visible region.	Better than 4.0Å throughout range.
REPRODUCIBILITY	Better than 0.5Å U.V. region and 3.0Å visible region.	0.5Å throughout range.
PHOTOMETRIC REPRODUCIBILITY	0.004 in absorbance.	0.002 in absorbance.