

Scientific Meetings

Physics and Engineering

The summer meeting of the American Association of Physics Teachers was held at Pennsylvania State University, University Park, 21-23 June. The American Society for Engineering Education met concurrently but for a longer period of time.

The first two mornings were devoted to short papers that were concerned chiefly with specific problems of demonstration or presentation, of which only a few will be mentioned here. The opening paper by Mark Zemansky (City College of New York) was a beautiful demonstration of colored patterns obtained with convergent polarized light, using uniaxial and biaxial crystals and one crystal that changed from biaxial to uniaxial with rise in temperature. H. Medicus and F. Bitter (Massachusetts Institute of Technology) described various demonstrations in which the shadow projection technique was valuable in that it gave enlarged images of the phenomena under observation.

An unscheduled paper on "Industry's stakes in the teaching of engineering" by Alton P. Wangsgard (Hughes Aircraft Corporation) noted industry's difficulty in obtaining competent physicists and its willingness to assist in the solution of this problem by hiring professors on sabbatical leave and by setting up cooperative fellowships whereby a student, while enjoying industry's benefits, could get a master's degree in 3 years. Rosalie Hoyt (Bryn Mawr) showed experiments in sound interference with an electrostatic speaker as the source instead of the Galton whistle used by Schilling.

Four half-day sessions were devoted to joint meetings with the physics section of the ASEE on the teaching of physics in engineering colleges. For the most part, in these sessions there was a sense of cooperation between the physics professor and the engineering professor, a sense that their work is not competitive but complementary, and that the student will gain more if the physicist teaches physics, stressing the fundamental principles, and the engineer teaches engineering, emphasizing the appropriate applications of these underlying principles.

The invited speakers at these sessions

were equally chosen from the two fields. They tended to stress the point that improved communication between physicists and engineers at the institutional level to discuss objectives and to determine mutual needs would do much to alleviate apparent differences of opinion and would produce a sympathetic view of the other's objectives. It was urged in a report of a committee of the American Institute of Physics, entitled "The role of physics in engineering education" (preprint of 15 June 1955, p. 13) that "members of the departments of physics and engineering should meet frequently together for free discussion in order that they may come to understand and appreciate more clearly their common interests and mutual needs."

W. V. Houston (Rice Institute) spoke at a joint dinner of the AAPT and the physics section of the ASEE and also at an informal luncheon. He stressed that a liberal education involves both the humanities and the sciences and that physics contributes to the humanities side of an engineer's education.

MILDRED ALLEN

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Meeting Notes

■ Evaluation of practical experience with the Salk poliomyelitis vaccine by key figures in its development will be a feature of the 83rd annual meeting of the American Public Health Association and meetings of 40 related organizations in the Kansas City, Mo., Municipal Auditorium, 14-18 Nov. Participants in a panel discussion on poliomyelitis will include Jonas E. Salk of the University of Pittsburgh, who developed the vaccine; Thomas Francis, Jr., of the University of Michigan, who directed evaluation of field tests that led to its adoption; Leonard A. Scheele, Surgeon General of the U.S. Public Health Service; Hart E. Van Riper, medical director of the National Foundation for Infantile Paralysis; and Robert E. DeFries of the University of Toronto. The moderator will be Malcolm E. Merrill, director of public health, Berkeley, Calif.

Herman E. Hilleboe, New York State

Commissioner of Health and president of the APHA, will preside at the special session on poliomyelitis, one of 75 scientific sessions scheduled. More than 5000 professional public health practitioners from governmental agencies and private health organizations, both here and abroad, are expected to attend, according to Reginald M. Atwater, executive secretary of the association. The over-all theme of the meeting is "Where are we going in public health?"

In all, more than 400 scientific papers will be presented on topics ranging from prevention of home accidents to combating cancer, tuberculosis, smog, and radioactive fallout. Among topics to be emphasized are mental health, neighborhood planning, new approaches to chronic diseases, and experience with various medical care plans.

■ This year's meeting of the German Societies for the Sciences of Fats will take place in Münster, Westphalia, 25-30 Sept. From 30 Sept. to 3 Oct., the same societies will organize a course on modern methods of research on fats and fat products.

■ Announcement of the completed program for the 29th annual fall meeting of the American Oil Chemists' Society, which is to be held at the Bellevue-Stratford Hotel, Philadelphia, Pa., 10-12 Oct. is made in the September issue of the *Journal of the American Oil Chemists' Society*. The program chairman is W. C. Ault of the Eastern Regional Research Laboratory, Philadelphia.

A total of 56 technical papers will be presented at general, concurrent, or student sessions. Special topics will include detergents, analytic techniques, chemical modification, shortenings, nutrition, oxidation, and polymerization, as well as general research.

Forthcoming Events

October

16. American College of Dentists, San Francisco, Calif. (O. W. Brandhorst, 4221 Lindell Blvd., St. Louis, Mo.)

16-19. Soc. of American Foresters, Portland, Ore. (H. Clepper, 425 Mills Bldg., Washington 6.)

17-19. Detroit Institute of Cancer Research, 8th annual, Detroit, Mich. (Wm. L. Simpson, 4811 John R St., Detroit 1.)

17-20. American Dental Assoc., annual, San Francisco, Calif. (H. Hillenbrand, 222 E. Superior St., Chicago 11.)

17-21. National Metal Exposition and Cong., Philadelphia, Pa. (C. L. Wells, 7301 Euclid Ave., Cleveland 3, Ohio.)

18. American Soc. of Safety Engineers, annual, Chicago, Ill. (J. B. Johnson, 425 N. Michigan Ave., Chicago 11.)

18. Oak Ridge Inst. of Nuclear Studies,

council meeting, Oak Ridge, Tenn. (W. G. Pollard, P. O. Box 117, Oak Ridge.)

18-19. National Acad. of Economics and Political Science, Washington, D.C. (D. P. Ray, Hall of Government, George Washington Univ., Washington 6.)

18-20. Entomological Soc. of Canada and the Acadian Entomological Soc., annual joint meeting, Fredericton, New Brunswick. (R. H. Wigmore, Science Service Bldg., Ottawa, Canada.)

18-21. American Dietetic Assoc., annual, St. Louis, Mo. (R. M. Yakel, ADA, 620 N. Michigan Ave., Chicago 11, Ill.)

19-21. International Conf. on the Use of Antibiotics in Agriculture, Washington, D.C. (H. I. Cole, National Research Council, Div. of Biology and Agriculture, 2101 Constitution Ave., Washington 25, D.C.)

19-21. Symposium on Applications of Radioactivity in Food and Food Processing Industries, Boston, Mass. (W. A. Stenzel, Tracerlab Inc., 130 High St., Boston 10.)

20-21. National Noise Abatement Symposium, 6th annual, Chicago, Ill. (R. W. Benson, Armour Research Foundation, Illinois Inst. of Technology, Chicago.)

22. American Mathematical Soc., College Park, Md. (AMS, 80 Waterman St., Providence 6, R.I.)

22-24. American Heart Assoc., 28th annual scientific session, New Orleans, La. (Medical Director, AHA, 44 E. 23 St., New York 10.)

24. American Ethnological Soc., New York, N.Y. (Miss A. G. James, 695 Park Ave., New York 21.)

24-26. National Conf. on Standards, 6th, Washington, D.C. (G. P. Paine, ASA, 70 E. 45 St., New York 17.)

24-28. American Soc. of Civil Engineers, New York, N.Y. (W. N. Carey, ASCE, 33 W. 39 St., New York 18.)

24-1. International Council for the Exploration of the Sea, annual, Copenhagen, Denmark. (General Secretary of Council, Charlottenlund Castle, Charlottenlund, Denmark.)

25-30. American Ornithologists' Union, Boston, Mass. (H. F. Mayfield, 2557 Portsmouth Ave., Toledo 13, Ohio.)

27-28. New Mexico Acad. of Science, Albuquerque. (C. C. Hoff, Dept. of Biology, Univ. of New Mexico, Albuquerque.)

27-29. American Ceramic Soc., 8th Pacific Coast Regional, Seattle, Wash. (C. S. Pearce, 4055 N. High St., Columbus 14, Ohio.)

27-29. Conf. on Rare Earths in Biochemical and Medical Research, Oak Ridge, Tenn. (G. C. Kyker, Oak Ridge Inst. of Nuclear Studies, P.O. Box 117, Oak Ridge.)

27-29. Electron Microscope Soc. of America, University Park, Pa. (Miss J. R. Cooper, General Electric Co., Lamp Div., Nela Park, Cleveland 12, Ohio.)

27-29. Gerontological Soc., Baltimore, Md. (N. W. Shock, Baltimore City Hospitals, Baltimore 24.)

27-29. Pharmaceutical Industry: Rensselaer Polytechnic Inst. Industrial Council, 5th annual, Troy, N.Y. (F. Tift, News Bureau, Rensselaer Polytechnic Inst., Troy.)

28-30. American Soc. for Aesthetics,

Chicago, Ill. (J. F. White, Western Reserve Univ., Cleveland 6, Ohio.)

30-1. West Virginia Science Fair Work Conf., Weston. (D. E. Large, Science Fair Program, P.O. Box 117, Oak Ridge, Tenn.)

31-1. East Coast Conf. on Aeronautical and Navigational Electronics of Inst. of Radio Engineers, Baltimore, Md. (G. R. White, Bendix Radio Div., Bendix Aviation Corp., Towson 4, Md.)

31-5. Conf. on Solar Energy, Scientific Basis, Tucson, Ariz. (31-1 Oct.); World Symposium on Applied Solar Energy, Phoenix, Ariz. (1-5 Nov.). (M. L. Kastens, Stanford Research Inst., Stanford, Calif.)

November

1-3. Enzymes: Units of Biological Structure and Function, International Symposium, Detroit, Mich. (C. E. Rupe, Henry Ford Hospital, Detroit 2.)

2-4. American Documentation Inst., annual, Philadelphia, Pa. (S. Rosenberg, Library of Congress, Washington 25.)

2-4. Society of Rheology, annual, New York. (W. R. Willets, Titanium Pigment Corp., 99 Hudson St., New York 13.)

2-4. Symposium on Antibiotics, 3rd annual, Washington, D.C. (H. Welch, Div. of Antibiotics, Food and Drug Admin., U.S. Dept. of Health, Education, and Welfare, Washington 25.)

2-5. American Soc. of Tropical Medicine and Hygiene, Boston, Mass. (J. E. Larsh, Jr., School of Public Health, Univ. of North Carolina, Chapel Hill.)

3. American Federation for Clinical Research, Midwestern, Chicago, Ill. (R. J. Glaser, Barnes Hospital, 600 S. Kingshighway, St. Louis 10, Mo.)

4-5. American College of Anesthesiologists, Boston, Mass. (S. C. Hershey, 235 E. 22 St., New York 10.)

4-5. Kentucky Academy of Science, Frankfort, Ky. (Mary E. Wharton, Georgetown College, Georgetown, Ky.)

5. Committee for the Scientific Study of Religion, Cambridge, Mass. (R. V. McCann, Andover Hall, Harvard Univ., Cambridge 38.)

6-7. American Soc. for the Study of Arteriosclerosis, 9th annual, Chicago, Ill. (O. J. Pollak, P.O. Box 228, Dover, Del.)

6-13. International Cong. of Allergology, Rio de Janeiro, Brazil. (F. Alves, Avenida Rio Branco 277, 7° andar, Rio de Janeiro.)

7-9. Assoc. of Military Surgeons of the United States 62nd annual, Washington, D.C. (AMSUS, 1726 Eye St., NW, Washington 6.)

7-9. Eastern Joint Computer Conf., AIEE, IRE, ACM, Boston, Mass. (I. Travis, Burroughs Res. Center, Paoli, Pa.)

7-9. Geological Soc. of America, annual, New Orleans, La. (H. R. Aldrich, 419 W. 117 St., New York 27.)

7-9. Mineralogical Soc. of America, New Orleans, La. (C. S. Hurlbut, Jr., 12 Geological Museum, Oxford St., Cambridge 38, Mass.)

7-9. Paleontological Soc., New Orleans, La. (K. E. Caster, Dept. of Geology, Univ. of Cincinnati, Cincinnati 21, Ohio.)

7-9. Soc. of Economic Geologists, New

Orleans, La. (O. N. Rove, Union Carbide and Carbon Corp., 30 E. 42 St., New York 17.)

8. Assoc. of Geology Teachers, New Orleans, La. (R. L. Bates, Dept. of Geology, Ohio State Univ., Columbus 10.)

9-12. American Council of Independent Laboratories, Phoenix, Ariz. (H. M. Dudley, 4302 East-West Highway, Washington 14.)

9-13. International Symposium on Tuberculosis in Infancy and Childhood, Denver, Colo. (L. S. Smith, National Jewish Hospital, Denver 6.)

10. Assoc. of Vitamin Chemists, Chicago, Ill. (M. Freed, 4800 S. Richmond, Chicago 32.)

10-11. American Philosophical Soc., Philadelphia, Pa. (L. P. Eisenhart, 104 S. 5 St., Philadelphia 6.)

10-12. American Astronomical Soc., Troy, N.Y. (J. A. Hynek, McMillin Observatory, Ohio State Univ., Columbus 10.)

10-12. American College of Cardiology, 4th, Memphis, Tenn. (P. Reichert, American College of Cardiology, Empire State Bldg., New York 1.)

11-12. Inter-Society Cytology Council, 3rd annual, Cleveland, Ohio. (P. F. Fletcher, 634 N. Grand Ave., St. Louis 3, Mo.)

13-18. American Soc. of Mechanical Engineers, 75th annual, Chicago, Ill. (C. E. Davies, 29 W. 39 St., New York 18.)

14-16. Technical Conf. on Electrical Techniques in Medicine and Biology, 8th annual, Washington, D.C. (T. Rogers, Machlett Laboratories, 1063 Hope St., Springfield, Conn.)

14-17. International Automation Exposition, 2nd, Chicago, Ill. (R. Rimbach Associates, 845 Ridge Ave., Pittsburgh 12, Pa.)

14-18. American Public Health Assoc., Kansas City, Mo. (R. M. Atwater, APHA, 1790 Broadway, New York 19.)

14-18. New England Inst. for Hospital Administrators, 7th, Boston, Mass. (D. Conley, ACHA, 620 N. Michigan Ave., Chicago 11, Ill.)

15-17. American Meteorological Soc., Honolulu, Hawaii. (K. C. Spengler, AMS, 3 Joy St., Boston 8, Mass.)

15-17. Geophysical Soc. of Hawaii, Honolulu. (L. Eber, Pineapple Research Inst., Honolulu.)

16-18. Soc. for Experimental Stress Analysis, Chicago, Ill. (W. M. Murray, SESA, Box 168, Cambridge 39, Mass.)

17-19. American Anthropological Assoc., Boston, Mass. (W. S. Godfrey, Jr., Logan Museum, Beloit College, Beloit, Wis.)

18-19. American Mathematical Soc., Knoxville, Tenn. (E. G. Begle, Yale Univ., New Haven 11, Conn.)

18-19. North Carolina Science Fair Work Conf., Greensboro. (D. E. Large, Science Fair Program, P.O. Box 117, Oak Ridge, Tenn.)

22-23. National Council of Geography Teachers, Indianapolis, Ind. (I. C. Robertson, State Teachers College, Valley City, N.D.)

22-25. International Cong. on Documentation of Applied Chemistry, 1st, Lon-

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25-26. American Physical Soc., Chicago, Ill. (K. K. Darrow, Columbia Univ., New York 27.)

25-26. American Soc. of Animal Production, annual, Chicago, Ill. (W. M. Beeson, Animal Husbandry Dept., Cornell Univ., Ithaca, N.Y.)

27-30. American Inst. of Chemical Engineers, Detroit, Mich. (F. J. Van Antwerpen, AIChE, 25 W. 45 St., New York 36.)

28-1. White House Conf. on Education, Washington, D.C. (C. Pace, Director; Comm. for White House Conf. on Education; South Health, Education and Welfare Bldg.; Washington 25.)

29-2. American Medical Assoc., clinical, Boston, Mass. (G. F. Lull, AMA, 535 N. Dearborn St., Chicago 10, Ill.)

29-2. Entomological Soc. of America, Cincinnati, Ohio. (R. H. Nelson, 1530 P St., NW, Washington 5.)

December

2. American Alpine Club, annual, New York, N.Y. (J. C. Oberlin, 909 Leader Bldg., Cleveland 14, Ohio.)

2-3. American Federation for Clinical Research, Eastern, Philadelphia, Pa. (C. R. Shuman, Temple Univ. Hospital, Broad and Ontario Sts., Philadelphia 40, Pa.)

2-3. Oklahoma Acad. of Science, Nor-

man. (D. E. Howell, Dept. of Entomology, Oklahoma A. & M. College, Stillwater.)

2-4. American Psychoanalytic Assoc., New York, N.Y. (J. N. McVeigh, 36 W. 44 St., New York 36.)

4. American Acad. of Dental Medicine, 10th mid-annual, New York, N.Y. (G. J. Witkin, 45 S. Broadway, Yonkers 2, N.Y.)

8-10. Florida Acad. of Sciences, Miami. (R. A. Edwards, Geology Dept., Univ. of Florida, Gainesville.)

9-10. Texas Acad. of Science, annual, Waco. (G. P. Parker, P.O. Box 7488, College Station, Texas.)

9-13. American Acad. of Optometry, Chicago, Ill. (C. C. Koch, 1502 Foshay Tower, Minneapolis 2, Minn.)

10-16. Nuclear Cong. and Atomic Exposition, Cleveland, Ohio. (A. F. Denham, 931 Book Bldg., Detroit 26, Mich.)

10-16. Radiological Soc. of North America, Inc., Chicago, Ill. (D. S. Childs, Sr., 713 E. Genesee St., Syracuse 2, N.Y.)

11-14. American Soc. of Agricultural Engineers, Chicago, Ill. (F. B. Lanham, ASAE, St. Joseph, Mich.)

11-14. American Soc. of Refrigerating Engineers, New York, N.Y. (R. C. Cross, ASRE, 234 Fifth Ave., New York 1.)

15-17. Acoustical Soc. of America, Providence, R.I. (W. Waterfall, ASA, 57 E. 55 St., New York 22.)

26-31. American Assoc. for the Advancement of Science, Atlanta, Ga. (R. L. Taylor, AAAS, 1025 Connecticut Ave., NW, Washington 6.)

26-27. American Assoc. of Clinical Chemists, Atlanta, Ga. (A. E. Sobel, Dept. of Biochemistry, Jewish Hospital of Brooklyn, 555 Prospect Pl., Brooklyn 16, N.Y.)

26-29. Biometric Soc., Eastern N. American Region, New York, N.Y. (A. M. Dutton, Box 287, Station 3, Rochester 20, N.Y.)

26-30. American Nature Study Soc., Atlanta, Ga. (M. Trussell, School of Education, Florida State Univ., Tallahassee.)

26-30. National Assoc. of Biology Teachers, Atlanta, Ga. (J. P. Harrold, 110 E. Hines St., Midland, Mich.)

27. National Assoc. of Science Writers, Atlanta, Ga. (O. Fanning, Engineering Experiment Sta., Georgia Inst. of Technology, Atlanta.)

27. National Geographic Soc., Atlanta, Ga. (W. R. Gray, NGS, 16 and M Sts., NW, Washington 6.)

27. National Speleological Soc., Atlanta, Ga. (Bro. G. Nicholas, F.S.C., 114 Hanover St., Cumberland, Md.)

27-28. American Educational Research Assoc., Atlanta, Ga. (F. W. Hubbard, NEA, 1201 16 St., NW, Washington 6.)

27-28. American Psychiatric Assoc., Atlanta, Ga. (H. E. Himwich, Research Div., Galesburg State Research Hospital, Galesburg, Ill.)

27-28. Soc. for the Advancement of General Systems Theory, Atlanta, Ga. (L. von Bertalanffy, Center for Advanced Study in the Behavioral Sciences, Menlo Park, Calif.)

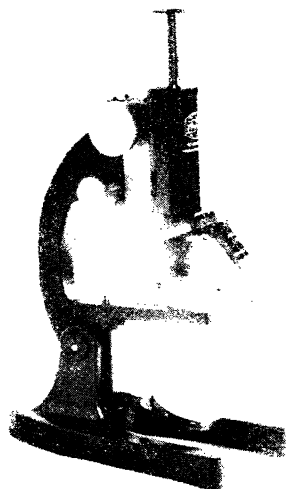
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27-29. American Meteorological Soc., 62nd annual, Houston, Tex. (J. H. Curtiss, AMS, 80 Waterman St., Providence 6, R.I.)

27-29. American Meteorological Soc., Atlanta, Ga. (K. Spengler, 3 Joy St., Boston, Mass.)

27-29. American Physiological Soc., Atlanta, Ga. (F. A. Hitchcock, Dept. of Physiology, Ohio State University, Columbus 10.)

27-29. Archaeological Inst. of America, Chicago, Ill. (C. Boulter, 608, Univ. of Cincinnati Library, Cincinnati 21, Ohio.)

27-29. Assoc. of Southeastern Biologists, Atlanta, Ga. (M. E. Gauden, Biology Div., Oak Ridge National Lab., Oak Ridge, Tenn.)

27-29. Assoc. for Symbolic Logic, Rochester, N.Y. (J. Barlaz, Rutgers Univ., New Brunswick, N.J.)

27-29. International Geophysical Year, Atlanta, Ga. (H. Odishaw, National Research Council, Washington 25.)

27-29. Linguistic Soc. of America, Chicago, Ill. (A. A. Hill, 1719 Massachusetts Ave., NW, Washington 6.)

27-29. Oak Ridge Inst. of Nuclear Studies, Atlanta, Ga. (C. L. Comar, ORINS, Oak Ridge, Tenn.)

27-29. Soc. of the Sigma Xi, Atlanta, Ga. (T. T. Holme, 56 Hillhouse Ave., New Haven, Conn.)

27-29. Western Soc. of Naturalists,

Davis, Calif. (D. Davenport, Univ. of California, Santa Barbara.)

27-30. American Phytopathological Soc., Atlanta, Ga. (G. S. Pound, Dept. of Plant Pathology, Univ. of Wisconsin, Madison.)

27-30. American Soc. of Parasitologists, Atlanta, Ga. (A. C. Walton, Dept. of Biology, Knox College, Galesburg, Ill.)

27-30. American Statistical Assoc., New York, N.Y. (E. M. Bisgyer, 1757 K St., NW, Washington 6.)

27-30. Botanical Soc. of America, Atlanta, Ga. (F. T. Wolf, Dept. of Biology, Vanderbilt Univ., Nashville 5, Tenn.)

27-30. Ecological Soc. of America, Atlanta, Ga. (R. B. Platt, Dept. of Biology, Emory Univ., Emory University, Ga.)

27-30. Inst. of Mathematical Statistics, New York, N.Y. (K. J. Arnold, Dept. of Mathematics, Michigan State Univ., East Lansing.)

27-30. National Science Teachers Assoc., Atlanta, Ga. (R. H. Carleton, NSTA, 201 16 St., NW, Washington 6.)

27-30. Soc. of Systematic Zoology, Atlanta, Ga. (D. C. Scott, Dept. of Zoology, Univ. of Georgia, Athens.)

27-1. Phi Delta Kappa, 50th anniversary, Bloomington, Ind. (J. C. Whinnery, 324 N. Greenwood Ave., Montebello, Calif.)

28. Alpha Epsilon Delta, Atlanta, Ga. (M. L. Moore, 7 Brookside Circle, Bronxville, N.Y.)

28. Sigma Pi Sigma, Atlanta, Ga. (M.

W. White, Physics Dept., Pennsylvania State Univ., University Park.)

28. Soc. of General Physiologists, Atlanta, Ga. (J. Buck, National Institutes of Health, Bethesda 14, Md.)

28-29. Herpetologists League, Atlanta, Ga. (J. A. Fowler, Acad. of Natural Sciences, 19th and Parkway, Philadelphia 3, Pa.)

28-29. History of Science Soc., Atlanta, Ga. (T. S. Kuhn, 74 Buckingham St., Cambridge 38, Mass.)

28-29. Northwest Scientific Assoc., Spokane, Wash. (F. J. Schadegg, Eastern Washington College of Education, Cheney.)

28-30. American Economic Assoc., New York, N.Y. (J. W. Bell, Northwestern Univ., Evanston, Ill.)

28-30. American Historical Assoc., Washington, D.C. (B. C. Shafer, Study Room 274, Library of Congress Annex, Washington 25.)

28-30. American Philological Assoc., Chicago, Ill. (J. P. MacKendrick, Bascom Hall, Univ. of Wisconsin, Madison 6.)

28-30. American Philosophical Assoc., Eastern Div., Boston, Mass. (W. H. Hay, Dept. of Philosophy, Univ. of Wisconsin, Madison.)

28-30. American Physical Soc., winter meeting, Los Angeles, Calif. (K. K. Darrow, Columbia Univ., New York 27.)

28-30. Econometric Soc., New York, N.Y. (R. Ruggles, Box 1264, Yale Station, Yale Univ., New Haven, Conn.)