

# Scientific Meetings

## Meeting Notes

■ The National Science Fair, which is conducted by Science Clubs of America and administered by Science Service, took place in Oklahoma City, 10–12 May. The annual event, which has expanded to seven times its size in 1950, attracts high school students whose exhibits have already won prizes in local competition. Not more than two finalists from each local fair are given all-expense-paid trips to the national event.

The 217 high-school students who exhibited their prize-winning projects at the seventh annual fair represented 111 regional fairs, 42 of which are new. These students competed for more than \$2500 in awards.

■ More than 350 scientific reports were delivered at the 56th general meeting of the Society of American Bacteriologists in Houston, Tex., 29 Apr.–4 May. Some 44 papers dealt with recent developments in the field of antibiotics and chemical antibacterial and antiviral agents. Other presentations reported on new work in preventative vaccines. One of these was a polyvalent vaccine against the new group of respiratory diseases, the adenopharyngeal-conjunctival virus infections. A new plague vaccine was described, and further improvements on rabies vaccines and on B.C.G. vaccines for tuberculosis were discussed.

In addition to the medical and viral study reports, there were papers on dentistry, forestry, and veterinary medicine, and on the role of bacteria in mineral sulfur deposits, and the effect of asphalt-eating bacteria on the breakdown of highway road beds.

The evening sessions were devoted to a series of nine symposia on industrial fermentations in antibiotic production, on enterobacteriaceae of medical significance in typhoid fever, food poisoning, and dysentery outbreaks; on microbial amino-acid metabolism or bacteria-producing amino acids and other growth factors; on analytical microbiology, including testing of antiseptics and growth factors; on new aspects of water bacteriology, including new techniques for checking the sanitary quality of drinking water supplies; on studies of the enzyme

systems involved in bacterial cells; on the latest advances in teaching bacteriology and training new workers in the field; and on the role of bacteria in the petroleum industry.

On 1 May, a series of twelve motion pictures was shown. These ranged from pictures showing what goes on inside the bacterial cell to studies on vaccination against tuberculosis.

Some 34 companies displayed exhibits of scientific and mechanical interest, and in addition there was a group of exhibits contributed by various educational institutions and research laboratories.

■ The 21st Cold Spring Harbor Symposium on Quantitative Biology will be held in Cold Spring Harbor, N.Y., 4–12 June. The theme of the meeting will be "Genetic mechanisms—structure and function." In the presentations and discussions, genetic mechanisms will be considered on the chemical, genic, chromosomal, cellular, and developmental levels.

The symposium is open to all who are interested, but because of space limitations it is important to make reservations. For information, write to the Biological Laboratory, Cold Spring Harbor, N.Y.

■ A tentative program has been outlined for the 32nd annual meeting and 29th scientific session of the American Heart Association to be held in Cincinnati, Ohio, 26–31 Oct. The scientific sessions will begin on 26 Oct. and continue through 29 Oct. The organizational meetings of the association will follow the scientific presentations.

Deadline for submission of abstracts of technical papers is 15 June. Papers based on original studies in clinical, laboratory and epidemiologic research are eligible for consideration. Abstracts of no more than 300 words must be prepared on special forms that are available from the medical director of the American Heart Association, 44 E. 23 St., New York 10.

■ The National Academy of Sciences–National Research Council's Advisory Board on Quartermaster Research and Development recently conducted an international Symposium on Protection and Functioning of the Hands in Cold

Climates at the Quartermaster Research and Development Center in Natick, Mass. The 2-day meeting was conducted in four sessions.

The panel that discussed physiological factors was moderated by Austin Henschel. The second session, which dealt with psychological and anthropological factors, was directed by Warren H. Teichner, and Robert L. Woodbury was chairman of the third session, a discussion of operational requirements. The closing session was devoted to approaches to the problem and was led by Peter W. Webb.

The meeting was attended by representatives of the Quartermaster Corps, the U.S. Army technical services, educational and research institutions, industry, and the Canadian Army.

## Society Elections

■ Federation of American Scientists: chairman, Charles C. Price, University of Pennsylvania; v. chairman, Martin Deutsch, Massachusetts Institute of Technology; sec., Harry Palevsky, Brookhaven National Laboratory; treas., Mortimer M. Elkind, National Cancer Institute.

■ American Society for Artificial Internal Organs: pres., C. Dennis; pres. elect., P. F. Salisbury; sec.-treas., G. H. A. Clowes.

■ International Association for Dental Research: pres., Joseph F. Volker, University of Alabama School of Dentistry; pres. elect., Reidar F. Sognnaes, Harvard School of Dental Medicine, Boston; v. pres., Ned B. Williams, University of Pennsylvania; sec.-treas., Edward H. Hatton, Northwestern University; asst. sec.-treas., Dan Y. Burrill.

■ The National Speleological Society: pres., William E. Davies; treas., Burton S. Faust. The vice presidents are John D. Parker, Brother G. Nicholas, Albert G. Mueller, George G. Jackson, and James D. McClung.

## Forthcoming Events

### June

13–14. Conference for Veterinarians, 25th annual, Columbus, Ohio. (J. W. Helwig, College of Veterinary Medicine, Ohio State Univ., Columbus 10.)

13–16. Colloquium of College Physicists, annual, Iowa City, Iowa. (G. W. Stewart, Dept. of Physics, State Univ. of Iowa, Iowa City.)

13–16. Driftless Area Field Trip, La Crosse, Wis. (R. F. Thorne, State Univ. of Iowa, Iowa City.)

16–17. Council of American Bioana-

lysts, Dallas, Tex. (M. F. Dooley, 308 S. Bishop, Dallas, Tex.)

17-20. American Soc. of Agricultural Engineers, 49th annual, Roanoke, Va. (F. B. Lanham, ASAE, St. Joseph, Mich.)

17-22. American Soc. of Medical Technologists, annual, Quebec, Canada. (Miss R. Matthaei, Suite 25, Hermann Professional Bldg., Houston 25, Tex.)

17-22. American Soc. for Testing Materials, annual, Atlantic City, N.J. (R. J. Painter, ASTM, Philadelphia 3, Pa.)

17-23. American Library Assoc., annual, Miami Beach, Fla. (D. H. Clift, 50 E. Huron St., Chicago 11, Ill.)

17-23. International Cong. on Acoustics, 2nd, in conjunction with Acoustical Soc. of America, Cambridge, Mass. (E. H. Kone, American Inst. of Physics, 57 E. 55 St., New York 22.)

17-23. World Confederation for Physical Therapy, 2nd international cong., New York, N.Y. (Miss M. Elson, American Physical Therapy Assoc., 1790 Broadway, New York 19.)

17-23. World Power Conf. (invitation), 5th plenary, Vienna, Austria. (S. E. Reimel, Engineers Joint Council, 29 W. 39 St., New York 18.)

17-30. West Coast Science Teachers Summer Conf., Corvallis, Oreg. (R. H. Carleton, National Science Teachers Assoc., 1201 16 St., NW, Washington 6.)

18-20. American Neurological Assoc., 81st annual, Atlantic City, N.J. (C. Rupp, ANA, 133 S. 36 St., Philadelphia 4, Pa.)

18-20. American Soc. of Heating and Air-Conditioning Engineers, Washington, D.C. (A. V. Hutchinson, ASHAE, 62 Worth St., New York 13.)

18-21. Institute of Aeronautical Sciences, Inc., annual summer, Los Angeles, Calif. (S. P. Johnston, 2 E. 64 St., New York 21.)

18-21. Phi Lambda Upsilon, triennium convention, Ann Arbor, Mich. (T. B. Cameron, Dept. of Chemistry, Univ. of Cincinnati, Cincinnati 21, Ohio.)

18-22. American Physical Therapy Assoc., annual, New York. (Miss M. Elson, APTA, 1790 Broadway, New York 19.)

18-22. Medical Library Assoc., 55th annual, Los Angeles, Calif. (A. N. Brandon, Library, College of Medical Evangelists, Loma Linda, Calif.)

18-24. Acoustical Soc. of America, Cambridge, Mass. (W. Waterfall, ASA, 57 E. 55 St., New York 22.)

19-22. American Dairy Science Assoc., annual, Storrs, Conn. (H. F. Judkins, 32 Ridgeway Circle, White Plains, N.Y.)

20-21. Symposium on Diffusion and Flow Processes in Polymers, Madison, Wis. (W. J. Lyons, Quartermaster Research and Development Command, Natick, Mass.)

20-22. American Assoc. of Physics Teachers, annual, Toronto, Ont., Canada. (F. Verbrugge, Carleton College, Northfield, Minn.)

20-22. Ciba Foundation Symposium on Endocrinology (invitation), London, England (G. E. W. Wolstenholme, 41 Portland Place, London, W.1.)

20-28. International Union for the Protection of Nature, Edinburgh, Scotland. (J. P. Harroy, IUPN, 42, rue Montoyer, Brussels, Belgium.)

21-23. American Physical Society, New

Haven, Conn. (K. K. Darrow, Columbia Univ., New York 27.)

21-23. American Physical Society, Eugene, Ore. (W. A. Nierenberg, Univ. of California, Berkeley 4.)

21-23. Soc. of Nuclear Medicine, annual, Salt Lake City, Utah. (R. G. Moffat, 2656 Heather St., Vancouver 9, Canada.)

21-24. American Acad. of Dental Medicine, 10th annual, Detroit, Mich. (G. J. Witkin, AADM, 45 S. Broadway, Yonkers 2, N.Y.)

21-24. American Soc. of Ichthyologists and Herpetologists, 36th annual, Higgins Lake, Mich. (R. M. Bailey, Museum of Zoology, Univ. of Michigan, Ann Arbor.)

25-27. Symposium on Uses of High Temperatures in Science and Industry, Berkeley, Calif. (N.K. Hiester, Stanford Research Inst., Menlo Park, Calif.)

25-29. American Soc. for Engineering Education, annual, Ames, Iowa. (W. Leighton Collins, Univ. of Illinois, Urbana.)

25-29. American Inst. of Electrical Engineers, Summer and Pacific General, San Francisco, Calif. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

25-29. Alpha Chi Sigma Fraternity, biennial convention, University Park, Pa. (J. R. Kuebler, 5503 E. Washington St., Indianapolis 19, Ind.)

25-29. International Cong. on Physio-Pathology of Animal Reproduction and of Artificial Insemination, 3d, Cambridge, England. (J. Edwards, Production Div., Milk Marketing Board, Thames Ditton, Surrey, England.)

25-30. International Assoc. for Bridge and Structural Engineering, 5th cong., Lisbon, Portugal. (M. L. Gretner, Swiss Federal Inst. of Technology, Zurich, Switzerland.)

26-28. Entomological Soc. of America, Pacific Branch, Berkeley, Calif. (L. M. Smith, Dept. of Entomology, Univ. of California, Davis.)

26-29. American Home Economics Assoc., annual, Washington, D.C. (Miss M. Horton, AHEA, 1600 20 St., NW, Washington 9.)

28-1. International Scientific Conf. of Rheumatism, Aix-les-Bains, France. (M. Graber-Duvernay, 6, rue de Liege, Aix-les-Bains.)

11-15. Conf. on Industrial Research, 7th annual, Harriman, N.Y. (R. T. Livingston, 409 Engineering, Columbia Univ., New York 27.)

28-1. Symposium on Comparative Biology of Aquatic Species, Roscoff, Brittany, France. (G. Montalenti, Instituto di Genetica, Naples, Italy.)

## July

1-7. International Conf. on Nuclear Reactions, Amsterdam, Netherlands. (S. A. Wouthuysen, Zeeman Laboratorium, Pl. Muidergracht 4, Amsterdam (C).)

1-7. National Education Assoc., Portland, Oreg. (W. G. Carr, NEA, 1201 16 St., NW, Washington, D.C.)

2. Astronomical League, Miami, Fla. (W. A. Cherup, 4 Klopfer St., Millvale, Pittsburgh 9, Pa.)

2. Gamma Sigma Delta Biennial Conclave, Ames, Iowa. (J. A. Johnson, Dept. of Flour and Feed Milling Industry, Kansas State College, Manhattan.)

2-3. National Science Teachers Assoc., Corvallis, Oreg. (R. H. Carleton, NSTA, 1201 16 St., NW, Washington 6.)

2-7. Brazilian Soc. for the Progress of Science, 8th annual, Ouro Preto, Minas Gerais. (Sociedade Brasileira para o Progresso da Ciencia, Caixa Postal 2926, São Paulo, Brazil.)

6-14. International Union of Forestry Research Organizations, 12th cong., Oxford, England. (Secretariat of Union, Viale delle Terme di Caracalla, Rome, Italy.)

9-11. Symposium on Chemical Additives in Foods, 2nd of 5 symposiums, Amsterdam, Netherlands. (H. F. DuPont, International Bureau of Analytical Chemistry, 18 Ave. de Villars, Paris 7, France.)

11-14. American Malacological Union, annual, San Diego, Calif. (Mrs. M. C. Teskey, P.O. Box 238, Marinette, Wis.)

12-14. International Astrophysical Symposium on Molecules in Cosmic Sources, 7th, Liege, Belgium. (H. C. Urey, Inst. for Nuclear Studies, Univ. of Chicago, Chicago 37, Ill.)

16-17. Symposium on Synthetic Polymer Chemistry, Notre Dame, Ind. (G. F. D'Alelio, Dept. of Chemistry, Univ. of Notre Dame, Notre Dame.)

16-21. French Assoc. for the Advancement of Science, Dijon, France. (Mlle. Henri-Martin, Secretary, 28, rue Serpente, Paris 6°.)

17-26. International Soc. of Photogrammetry, 8th cong., Stockholm, Sweden. (P. O. Fagerholm, Bragevägen 8, Stockholm, Sweden.)

18-20. Soc. for the Study of Development and Growth, annual, Providence, R.I. (M. V. Edds, Jr., Brown Univ., Providence 12.)

22-27. International Cong. of Pediatrics, 8th, Copenhagen, Denmark. (Prof. Franconi, Kinderspital, Steinwiesstrasse 75, Zürich 32, Switzerland.)

22-28. International Cong. on Housing and Town Planning, Vienna, Austria. (H. van der Weijde, International Federation for Housing and Town Planning, Paleisstraat 5, The Hague, Netherlands.)

22-28. International Cong. of Radiology, 8th, Mexico, D.F., Mexico. (J. Noriega, Tepic 126, 2° piso, Mexico, D.F. 7.)

23-26. International Cong. of Developmental Biology, 1st, Providence, R.I. (J. W. Wilson, Dept. of Biology, Brown Univ., Providence.)

25-27. Conf. on Solar-Weather Relationships sponsored by American Meteorological Soc., Boulder, Colo. (K. C. Spengler, 3 Joy St., Boston 8, Mass.)

26-28. International Conf. on Biochemical Problems of Lipids, 3rd, Brussels, Belgium. (R. Ruysen, St. Jansvest 12, Univ. of Ghent, Ghent, Belgium.)

27-31. Symposium on Cyto differentiation (invitation), Providence, R.I. (J. W. Wilson, Dept. of Biology, Brown Univ., Providence.)

27-7. International Limnology Cong., 13th, Helsinki, Finland. (H. Luther, Snellmangatan 16 C 36, Helsinki.)

30-4. International Physiological Cong., 20th, Brussels, Belgium. (J. J. Reuse, Faculté de Medecine, 115 Boulevard de Waterloo, Brussels.)

## August

1-6. International Cong. of Human Genetics, 1st, Copenhagen, Denmark. (Secretariate, 1st ICHG, 14, Tagensvej, Copenhagen, N.)

5-10. International Conf. of Social Work, 8th, Munich, Germany. (J. R. Hoffer, 345 E. 46 St., New York 17.)

6-10. Poultry Science Assoc., annual, Raleigh, N.C. (C. B. Ryan, Dept. of Poultry Husbandry, Texas A & M College, College Station.)

6-7. International Mathematical Symposium on Algebraic Topology and Its Applications, Mexico City, Mexico. (Miss J. Silva, Instituto de Matemáticas, Torre de Ciencias, Ciudad Universitaria, México 20, D.F.)

9-18. International Geographical Cong., 18th, Rio de Janeiro, Brazil. (H. O'R. Sternberg, Centro de Pesquisas de Geografia do Brasil, Faculdade Nacional de Filosofia, Av. Presidente Antonio Carlos 40, Rio de Janeiro.)

15-22. Canadian Teachers' Federation, Fredericton, N.B., Canada. (G. G. Crocker, 444 MacLaren St., Ottawa, Ont.)

16-21. Symposium on X-Ray Microscopy and Microradiography, Cambridge, England. (W. C. Nixon, Cavendish Lab., Cambridge.)

17-25. International Cong. of Entomology, 10th, Montreal, Canada. (J. A. Downes, Div. of Entomology, Science Service Bldg., Ottawa, Ont., Canada.)

19-23. International Cong. on Diseases of the Chest, 4th, Cologne, Germany. (Executive Offices, American College of Chest Physicians, 112 E. Chestnut St., Chicago 11, Ill.)

19-24. International Symposium on Combustion, 6th, New Haven, Conn. (Combustion Symposium Office, Mason Lab., Yale Univ., 400 Temple St., New Haven 11.)

20-21. Mathematical Assoc. of America, 37th summer, Seattle, Wash. (H. M. Gehman, Univ. of Buffalo, Buffalo 14, N.Y.)

20-21. National Telemetering Conf., Los Angeles, Calif. (R. E. Rawlins, Lockheed Aircraft Corp., Burbank, Calif.)

20-24. Conf. on Scientific and Technical Writing, Philadelphia, Pa. (H. F. Arader, Univ. of Pennsylvania, 3400 Walnut St., Philadelphia 4.)

20-24. Institute of Mathematical Statistics, Seattle, Wash. (G. E. Nicholson, Jr., Dept. of Statistics, Univ. of North Carolina, Chapel Hill.)

20-24. International Cong. of Physical Medicine, 2nd, Copenhagen, Denmark. (S. Clemmesen, Kommune-hospitalet, Copenhagen.)

20-25. American Mathematical Soc., 61st summer, Seattle, Wash. (J. H. Curtiss, AMS, 80 Waterman St., Providence 6, R.I.)

22-29. World Cong. of Sociology, 3rd, Amsterdam, Netherlands. (T. B. Bottomore, Skepper House, 13 Endsleigh St., London, W.C.1, England.)

26-30. American Inst. of Biological Sciences, Storrs, Conn. (H. T. Cox, 2000 P St., NW, Washington 6.)

The following 23 meetings are being held in conjunction with the AIBS meeting at Storrs, Conn.

26-30. American Bryological Soc. (L. J. Gier, Dept. of Biology, William Jewell College, Liberty, Mo.)

26-30. American Fern Soc., annual. (Mildred E. Faust, 501 University Pl., Syracuse 10, N.Y.)

26-30. American Microscopical Soc. (R. W. Pennak, Dept. of Biology, Univ. of Colorado, Boulder.)

26-30. American Soc. for Horticultural Science, annual. (F. S. Howlett, Ohio Agricultural Experimental Station, Wooster, Ohio.)

26-30. American Soc. of Human Genetics. (E. J. Gardner, Dept. of Zoology, Utah State Agricultural College, Logan.)

26-30. American Soc. of Limnology and Oceanography, annual. (B. H. Ketchum, Woods Hole Oceanographic Institution, Woods Hole, Mass.)

26-30. American Soc. of Parasitologists, annual. (A. C. Walton, Knox College, Galesburg, Ill.)

26-30. American Soc. of Plant Physiologists, annual. (A. W. Galston, Dept. of Botany, Yale Univ., New Haven, Conn.)

26-30. American Soc. of Plant Taxonomists, annual. (R. C. Rollins, Gray Herbarium, Harvard Univ., 22 Divinity Ave., Cambridge 38, Mass.)

26-30. Biometric Soc., ENAR. (A. M. Dutton, Univ. of Rochester, Box 287, Station 3, Rochester 20, N.Y.)

26-30. Botanical Soc. of America, annual. (H. C. Bold, Vanderbilt Univ., Nashville, Tenn.)

26-30. Ecological Soc. of America, annual. (J. F. Reed, Dept. of Botany, Univ. of Wyoming, Laramie.)

26-30. Mycological Soc. of America, annual. (C. J. Alexopoulos, Dept. of Botany, Michigan State Univ., East Lansing.)

26-30. National Assoc. of Biology Teachers. (P. V. Webster, Bryan City Schools, Bryan, Ohio.)

26-30. Nature Conservancy. (G. B. Fell, 4200 22 St., NE, Washington 18.)

26-30. Phycological Soc. of America, annual. (P. C. Silva, Dept. of Botany, Univ. of Illinois, Urbana.)

26-30. Soc. of General Physiologists. (A. M. Shanes, National Inst. of Arthritis and Metabolic Diseases, Bethesda 14, Md.)

26-30. Soc. for Industrial Microbiology, annual. (C. P. Porter, Dept. of Biological Sciences, Purdue Univ., West Lafayette, Ind.)

26-30. Soc. of Protozoologists, annual. (N. D. Levine, College of Veterinary Medicine, Univ. of Illinois, Urbana.)

26-30. Soc. of Systematic Zoology. (R. E. Blackwelder, 3728 Second St. South, Arlington 4, Va.)

27-29. American Soc. of Zoologists, 53rd annual. (R. T. Kempton, Marine-land Research Lab., Marineland, Fla.)

27-29. Genetics Soc. of America, annual. (H. B. Newcombe, Atomic Energy of Canada, Ltd., Chalk River, Ont.)

27-31. American Soc. of Naturalists, annual. (B. Wallace, Biological Lab., Cold Spring Harbor, Long Island, N.Y.)

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