Meetings and Societies

Election of AAAS Officers

The AAAS Committee on Nominations has selected the following lists of candidates for the offices of president-elect and members of the Board of Directors.

President-elect (one to be elected)
Wallace R. Brode
Paul E. Klopsteg

Members of the Board of Directors (two to be elected)
Clarence E. Davies
Bentley Glass
Paul E. Klopsteg
Randolph T. Major
Alan T. Waterman

These candidates were selected by the committee on the basis of a preliminary balloting of AAAS Council members. In accordance with the new election procedures adopted last year by the Council, names may be added to either of these lists upon submission to the executive officer of a petition signed by 30 or more members of the Council, provided that such a petition is received *by 1 November*. Ballots for election by preferential mail vote will be sent to Council members about 10 November. The results of the election will be announced on 27 December at the Association's 1956 annual meeting in New York. Biographical data concerning each proposed candidate follow.

Wallace R. Brode, 56 (chemistry, spectroscopy), assistant chemist, University of Illinois, 1921–24; assistant chemist, National Bureau of Standards, 1924–26; associate chemist, Bureau of Efficiency, 1926; Guggenheim Foundation fellow, Leipzig, Zurich, and Liverpool, 1926–28; assistant professor of chemistry, Ohio State University, 1928–32, associate professor, 1932–39, professor 1938–48; liaison office, Office of Scientific Research and Development, 1944–45, head, Paris office, 1944–45; head of the science department, Naval Ordnance Test Station, Calif., 1945–47; associate director, National Bureau of Standards, 1947–. Associate editor, *Journal of the Optical Society of America,* 1941–50, editor, 1950–.

AAAS activities: Member of Board of Directors, 1953– and Executive Committee, 1953–; member, Editorial Board, 1952–; member, Building Committee, 1954–55 and Investment and Finance Committee, 1955–; chairman, Committee on Constitution, Bylaws, and General Operations, 1953–55.

Paul E. Klopsteg, 67 (physics), assistant in physics, University of Minnesota, 1911–13; instructor and later assistant professor, 1913–17; development engineer, Ordnance Department, U.S. Army, 1917–18; physicist, Leeds & Northrup Co., Philadelphia, 1918–21; director of research and manufacturing, Central Scientific Co., Chicago, 1921–30, president, 1930–44, director, 1921–; professor of applied science, Northwestern University, director of research, Northwestern Technological Institute, 1944–54; assistant director for physical sciences, National Science Foundation, 1951, associate director since 1952; deputy chief, instruments section, National Defense Research Committee, 1940–41, chief, physics (special devices) division, 1941–45; assistant chief, office field service, Office of Scientific Research and Development, 1944–45; chairman, committee on artificial limbs, National Research Council, 1945–; member of the board of governors and chairman, Argonne National Laboratory, 1949–50. Modern Pioneers' award, National Association of Manufacturers, 1940; Presidential Medal for Merit, 1948; cofounder, American Association of Physics Teachers, 1930, president, 1953; member of the governing board, American Institute of Physics, 1930–45, chairman, 1938–45.

AAAS activities: member of the Board of Directors, 1949– and Executive Committee, 1953–; member, Building Committee, 1952–54, and Investment and Finance Committee, 1950–54.

Clarence E. Davies, 65 (mechanical engineering), production engineer, Remington Typewriter Co., 1914–17, production supervisor, 1918–20; associate editor, American Society of Mechanical Engineers, 1920–21, assistant secretary and managing editor, 1921–31, executive secretary, 1931–34, secretary, 1934–. President, Newcomen Society, 1939, 1940.

AAAS activities: vice president and chairman, Section M, 1952–56; member, Committee on AAAS Meetings, 1956; member, Committee on Membership Development, 1953–; member, Committee on Revision of the Constitution and Bylaws, 1948–52; member, Committee on Constitution, Bylaws, and General Operations, 1953–55.

Bentley Glass, 50 (genetics), teaching fellow, Baylor University, 1928–29; National Research Council fellow, genetics, Oslo, Kaiser-Wilhelm Institute and Missouri, 1932–34; instructor in zoology, Stephens College, 1934–38; assistant professor of biology, Goucher College, 1938–42, associate professor, 1942-46, professor, 1946–48; associate professor, Johns Hopkins University, 1948–52, professor, 1952–. Consultant, U.S. Department of State, Germany, 1950–51; member of the governing board, Institute of Biological Sciences, 1951–53, chairman, 1954–; assistant editor, *Quarterly Review of Biology,* 1944–48, associate editor, 1949–; editor, *McCollum-Pratt Symposia,* 1949–; *Survey of Biological Progress,* 1954–; biology editor, Houghton Mifflin Co., 1946–; member of the board of trustees, *Biological Abstracts,* 1956–; president, American Institute of Biological Sciences, 1954–56.

AAAS activities: vice president and chairman, Section F, 1956; member, Editorial Board, 1948–; acting editor, *Science* and *The Scientific Monthly,* 1953.

Randolph T. Major, 55 (chemistry), assistant in chemistry, University of Nebraska, 1923–24; Princeton University, 1924–25, instructor and research associate, 1927–30; director of pure research, Merck & Co., Inc., 1930–36, director of research and development, 1936–47, vice president and science director, 1947–53, scientific vice president, 1953–56, scientific adviser, 1956–; professor of chemistry, University of Virginia, 1956–. U.S. Army Quartermaster Corps, 1945–47. Advisory committee, research division, College of Engineering, New York University, 1949–; member and chairman, committee on chemical warfare, Research and Development Board, 1948–52; vice president, American Foundation of Tropical Medicine, 1952–; civilian with National Defense Research Committee, 1944.

AAAS activities: vice president and chairman, Section C, 1953.

Alan T. Waterman, 64 (physics), instructor in physics, University of Cincinnati, 1916–17; Yale University, 1919–23, assistant professor, 1923–30, associate professor, 1931–48; vice chairman, division D, National Defense Research Committee, 1942–43; deputy chief, office field service, Office of Scientific Research and Development, 1943–45, chief, 1945–46; chief scientist, planning division, Office of Research and Inventions, 1946; deputy chief and chief scientist, Office of Naval Research, 1947–51; director, National Science Foundation, 1951–. Editorial Board, *American Journal of Science*; Presidential Medal for Merit, 1948.

AAAS activities: vice president and chairman, Section B, 1955.

Physiology of Reproduction

The urgent need for a concentrated research program in the physiology of reproduction was considered by a score of experts representing all sections of the the country who met on 30 June in New York, under the auspices of the Planned Parenthood Federation of America and the Population Council. This group agreed that, despite tremendous gaps in our knowledge, there does exist a sufficient base of information to justify concerted efforts to solve the known problems in this field. Although the discussions were focused primarily on improved means of birth control, the experts pointed out that the increased knowledge would also aid the 10 percent of American husbands and wives who suffer from inability to produce children.

The control of ovulation was thoroughly discussed. Promising agents in this area include hormones, plant extractives, and various new chemical compounds. Considerable work is now going on, and more is urgently needed.

Somewhat similar problems are involved in the production and maturation of sperm. It is already known that these processes can be inhibited by hormones, by nutritional controls, by chemicals, and by the application of heat to the testes, but none of these methods is satisfactory as a control of male fertility.

A third promising area of attack is the fantastically delicate process by which a sperm unites with an ovum in the upper end of the female genital tract. It is known that fertilization occurs in fluids within the oviduct and the fertilized egg wanders in the uterus for a few days before implantation. However, there is only meager knowledge of the physical and chemical properties of the fluids involved.

A fourth area calling for intensive study is the physiology of the cervix, oviduct, and uterus. The unknown factors here include the endocrine relationships of the endometrium and the musculature involved in the migrations of both sperm and egg.

The conference indicated its concern for more active work in this field of research and authorized the publication of this report in the hope of interesting additional workers in the field.

CARL G. HARTMAN
Ortho Research Foundation, Raritan, New Jersey

Meeting Notes

■ On the premise that the creative process is just as essential to industry as it is to art, a group of firms will sponsor a series of conferences on "Creativity as a process." The meetings will be organized by the Institute of Contemporary Art, Boston, Mass., with the assistance of J. J. Gordon, director of the design-invention group at Arthur D. Little, Inc.

The first conference will be held 10–12 Oct. at Arden House, Columbia University's conference center at Harriman, N.Y. It will be devoted to an analysis of the creative process. Speakers will include a museum director, an artist, a musician, a mathematician, an English professor, an inventor, and an electrical engineer. Industry, government, and educational institutions are being invited to send representatives to the conferences. Attendance will be limited to 65.

■ Facts about the design and construction of the nuclear power station at Calder Hall, England, and some of the problems overcome, will be discussed at a symposium on the plant to be held in London, 22–23 Nov. Scientists and engineers from other countries will be welcome to attend. The event is sponsored by the British Nuclear Energy Conference, which embraces the institutions of civil, mechanical, electrical, and chemical engineers, and the Institute of Physics. Special speakers on the program are Sir John Cockcroft, director of the Atomic Energy Research Establishment, and Sir Christopher Hinton, managing director of the Industrial Group of the Atomic Energy Authority.

The Calder Hall station will start feeding power into Britain's national electricity grid on 17 Oct., when it is officially opened by the Queen. By next spring the plant will be able to supply 92 megawatts of electricity.

■ The third National Symposium on Vacuum Technology will be held at the Sheraton Hotel, Chicago, Ill., 10–12 Oct. The 38-page program describes technical sessions and a panel discussion. For reservations, write to the Committee on Vacuum Techniques, Inc., Box 1282, Boston 9, Mass.

■ A Symposium on Endocrines and Nutrition is to be held at the University of Michigan, 11–12 Oct., under the sponsorship of the university's Medical School in conjunction with the National Vitamin Foundation. Some 200 scientists from all parts of the country are expected to participate in the sessions. The symposium is part of the continuing program of research in nutrition and related fields supported by the National Vitamin Foundation in cooperation with leading university medical schools and medical research centers.

Medical scientists and others interested in the field of nutrition who wish to attend the meeting may obtain further information by addressing the symposium chairman Dr. Frank H. Bethell, Thomas Henry Simpson Memorial Institute for Medical Research, University of Michigan, Ann Arbor, Mich.

■ The 70th annual meeting of the Association of Official Agricultural Chemists will be held 15–17 Oct. at the Shoreham Hotel, Washington, D.C. This meeting, which will be held in cooperation with the Food and Drug Administration, Department of Health, Education, and Welfare, and the Meat Inspection Branch, Department of Agriculture, will commemorate the 50th anniversary of the passage of the Pure Food and Drug Act and the Meat Inspection Act. It will also honor Harvey W. Wiley—the father of the Pure Food and Drug Act.

The meeting will emphasize the application of modern methods of analysis to the enforcement of the nation's laws regulating the composition and labeling of foods, drugs, cosmetics, animal feeds, fertilizers, and pesticides that are purchased and used by the American and Canadian consumer. At a general session R. E. Proctor, head of the food technology department of the Massachusetts Institute of Technology will discuss "Radiation problems of foods and drugs." E. P. Laug of the Food and Drug Administration will present a recently declassified report on his Civil Defense project to determine the effect of nuclear explosions on foods that were exposed during Operation Teapot in the spring of 1955. The application of gas chromatography, a technique less than 5 years old, to food analysis will be described by R. D. Stanley and F. H. Vannier of the U.S. Department of Agriculture, Pasadena, Calif.

The association's annual banquet, to be held on 15 Oct., will honor Dr. Wiley. Fredrick L. Hovde, president of Purdue University, will be the featured speaker at the banquet. Wiley was the first professor of chemistry at Purdue and state chemist of Indiana before he became chief chemist of the Bureau of Chemistry in the Department of Agriculture.

All sessions are open to interested scientific workers and to the public. Copies of the complete program will be available on about 1 Oct. from the secretary, William Horwitz, Box 540, Benjamin Franklin Station, Washington 4, D.C. The AOAC meeting will be followed by meetings of the American Feed Control Officials, Fertilizer Control Officials, and Pesticide Control Officials. These organizations are concerned with the state and federal laws and regulations dealing with these commodities.

■ An International Conference on Scientific Information is to be held in 1958 in Washington, D.C., under the sponsorship of the American Documentation Insti-

tute, the National Academy of Sciences–National Research Council, and the National Science Foundation. The sponsors believe that the mass of research results being published is overtaxing the existing facilities for organizing scientific information. The conference is being arranged to provide an opportunity for a thorough discussion of the status of research on scientific information problems and methods of solving them.

A preliminary planning committee has been established under the chairmanship of Milton O. Lee, Federation of American Societies for Experimental Biology; Alberto Thompson of the National Science Foundation is executive secretary.

According to present plans, approximately 150 foreign and United States experts in all fields involving the organization and dissemination of scientific information will be invited to participate in the conference. In addition to the active participants, arrangements will be made for those with an interest in the problem to attend as observers.

All papers will be printed and distributed in advance so that they need not be read at the conference. Instead, they will be discussed in detail by review panels and the invited participants.

Society Elections

■ Phi Lambda Upsilon (chemistry): pres., James M. Church, Columbia University; v. pres., Carl S. Carlson, Standard Oil Company, New York, N.Y.; sec., Thomas B. Cameron, University of Cincinnati; treas., William G. Schrenk, Kansas State College.

■ American Rheumatism Association: pres., William D. Robinson; 1st v. pres. and pres.-elect, L. Maxwell Lockie; 2nd v. pres., Wallace Graham; sec.-treas., Edward F. Hartung. Representative to the AAAS Council is Russell L. Cecil.

■ Society of Protozoologists: pres., Alfred M. Elliott, University of Michigan; sec., Norman D. Levine, University of Illinois, Urbana; treas., William F. Diller, University of Pennsylvania. The vice presidents are Harold W. Beams, State University of Iowa, and William D. Burbanck, Emory University. Representative to the AAAS Council is R. P. Hall.

■ Tissue Culture Association: pres., Philip R. White, Jackson Memorial Laboratory, Bar Harbor, Me.; v. pres., Joseph F. Morgan, Department of National Health and Welfare, Ottawa, Canada; member-at-large, Morgan Harris, University of California, Berkeley; sec.-treas., Duncan C. Hetherington, Duke University School of Medicine; cor.-sec., Joseph Leighton, University of Pittsburgh School of Medicine; ret. pres., Margaret R. Murray, College of Physicians and Surgeons, New York.

Forthcoming Events

October

25–26. Recent Developments in Electron Devices, Inst. of Radio Engineers, Washington, D.C. (E. W. Herold, RCA Laboratories, Princeton, N.J.)

26–27. Kentucky Academy of Science, annual. Richmond. (Mary E. Wharton, Georgetown College, Georgetown, Ky.)

26–29. American Heart Assoc., annual, scientific sessions, Cincinnati, Ohio. (Medical Director, AHA, 44 E. 23 St., New York 10.)

27. Eastern Psychiatric Research Assoc., New York, N.Y. (T. R. Robie, 676 Park Ave., East Orange, N.J.)

28–1. American Council of Independent Laboratories, 29th meeting, New York, N.Y. (H. M. Dudley, 4302 East-West Highway, Washington 14.)

29–30. American Cancer Soc., scientific session, New York, N.Y. (ACS, Professional Education Section, 521 W. 57 St., New York 19.)

29–30. East Coast Conf. on Aeronautical and Navigational Electronics, 3rd annual, Baltimore, Md. (W. D. Crawford, Westinghouse Electric Corp., Air Arm Div., Friendship International Airport, Baltimore 27.)

29–31. Energy Resources Conf., Denver, Colo. (Energy Resources Conf., c/o Denver Chamber of Commerce, 1301 Welton St., Denver 4.)

29–1. Conference on Climatology sponsored by American Meteorological Soc., Asheville, N.C. (K. C. Spengler, 3 Joy St., Boston 8, Mass.)

29–1. Society of Exploration Geophysicists, annual, New Orleans, La. (G. A. Grimm, Tide Water Associated Oil Co., Box 2131, Midland, Tex.)

29–2. Convention on Ferrites, Institution of Electrical Engineers, London, England. (Secretary, IEE, Savoy Place, London, W. C.2.)

31. Society of Vertebrate Paleontology, Minneapolis, Minn. (J. T. Gregory, SVP, Peabody Museum of Natural History, Yale Univ., New Haven, Conn.)

31–1. Western Area Development Conf., 3rd, Phoenix, Ariz. (C. Green, Mountain States Office, Stanford Research Inst., Phoenix.)

31–2. Geological Soc. of America, annual, Minneapolis, Minn. (H. R. Aldrich, GSA, 419 W. 117 St., New York 27.)

31–2. Mineralogical Soc. of America, Minneapolis, Minn. (C. S. Hurlbut, Jr., 12 Geological Museum, Oxford St., Cambridge 38, Mass.)

31–2. Soc. of Economic Geologists, annual, Minneapolis, Minn. (O. N. Rove, 30 E. 42 St., New York 17.)

31–2. Society for Experimental Stress Analysis, annual, Columbus, Ohio (W. M. Murray, Massachusetts Inst. of Technology, Cambridge 39.)

31–3. American Soc. of Tropical Medicine and Hygiene, New Orleans, La. (J. E. Larsh, Jr., School of Public Health, Univ. of North Carolina, Chapel Hill.)

31–3. Gaseous Electronics Conf., 9th annual, Pittsburgh, Pa. (A. V. Phelps, Westinghouse Research Laboratories, Beulah Rd., Pittsburgh 35.)

November

1–2. Society for Applied Spectroscopy, 11th annual, New York, N.Y. (F. M. Biffen, Johns-Manville Research Center, Manville, N.J.)

1–3. Association of Geology Teachers, annual, Chicago, Ill. (C. E. Prouty, Dept. of Geology, Univ. of Pittsburgh, Pittsburgh 13, Pa.)

5–7. Paleontological Soc., annual, Minneapolis, Minn. (H. B. Whittington, Museum of Comparative Zoology, Harvard Univ., Cambridge, Mass.)

6–15. International Grassland Cong., 7th, Palmerston, New Zealand. (S. H. Saxby, P.O. Box 2298, Wellington, New Zealand.)

7–9. Electrical Techniques in Medicine and Biology, 9th annual conf., New York, N.Y. (E. D. Trout, X-Ray Dept., General Electric Co., Milwaukee 1, Wis.)

7–9. Society of Rheology, annual, Pittsburgh, Pa. (W. R. Willets, Titanium Pigment Corp., 99 Hudson St., New York 13.)

8–9. Canadian High Polymer Forum, 7th, Sarnia, Ont. (M. H. Jones, Ontario Research Foundation, 43 Queen's Park, Toronto 5, Ont.)

8–10. Gerontological Soc., annual, Chicago, Ill. (N. W. Shock, Baltimore City Hospitals, Baltimore 24, Md.)

10. Society for the Scientific Study of Religion, fall meeting, Cambridge, Mass. (R. W. Burhoe, American Acad. of Arts and Sciences, Cambridge 36.)

11–12. American Soc. for the Study of Arteriosclerosis, annual, Chicago, Ill. (R. G. Gould, P.O. Box 1663, Los Alamos, N.M.)

11–17. Cardiology, 5th Inter-American cong. of, Havana, Cuba. (I. Chavez, Calzada de la Piedad 300, Mexico, D.F., Mexico.)

12–14. Association of Military Surgeons of the U.S., annual, Washington, D.C. (S. E. Womeldorph, AMSUS, Suite 718, 1726 Eye St., NW, Washington 6.)

12–15. American Petroleum Inst., 36th annual, Chicago, Ill. (API, 50 W. 50 St., New York 20.)

12–16. American Public Health Assoc., 84th annual, Atlantic City, N.J. (R. M. Atwater, 1790 Broadway, New York 19.)

12–16. American Soc. of Agronomy, annual, Cincinnati, Ohio. (L. G. Monthey, 2702 Monroe St., Madison 5, Wis.)

13–15. Historical Development of Physiological Thought, symposium, Brooklyn,

N.Y. (E. Goodwin, State Univ. of New York, College of Medicine, Brooklyn 3.)

14–15. Industrial Hygiene Foundation, 21st annual, Pittsburgh, Pa. (C. R. Walmer, IHF, Mellon Inst., Pittsburgh.)

14–16. Optics and Microwaves, symp., Washington, D.C. (Symp. on Optics and Microwaves, P.O. Box 355, Falls Church, Va.)

14–16. Newer Developments in the Diagnosis and Management of Cancer, symp., Duarte, Calif. (J. Love, Director, Div. of Postgraduate Medical Education, City of Hope Medical Center, Duarte.)

15–16. American Philosophical Soc., Philadelphia, Pa. (APA, 104 S. 5 St., Philadelphia 6.)

15–16. Operations Research Soc. of America, 10th natl., San Francisco, Calif. (T. E. Oberbeck, U.S. Naval Post Graduate School, Monterey, Calif.)

15–16. Society of Technical Writers, jointly with Assoc. of Technical Writers and Editors, New York, N.Y. (S. F. Shapiro, STW, P.O. Box 22, Newton Centre 59, Mass.)

15–17. Acoustical Soc. of America, Los Angeles, Calif. (W. Waterfall, ASA, 57 E. 55 St., New York 22.)

18–25. National Meeting of Surgeons, Mexico City, Mexico. (Intern. Acad. of Proctology, 147–41 Sanford Ave., Flushing, N.Y.)

19–20. Entomological Soc. of America, Eastern Branch, Atlantic City, N.J. (B. F. Driggers, Experiment Station, New Brunswick, N.J.)

22–23. Calder Hall Nuclear Power Station, conf., London, England. (Secretary, British Nuclear Energy Conference, 1–7 Great George St., London, S.W.1.)

22–3. International Cong. of Industrial Chemistry, 29th, Paris, France. (J. Gerard, Société de Chimie Industrielle, 28, rue Saint-Dominique, Paris VII^{e}.)

23–24. American Mathematical Soc., Evanston, Ill. (E. G. Begle, 207 Leet Oliver Memorial Hall, Yale Univ., New Haven 11, Conn.)

23–24. American Physical Soc., Chicago, Ill. (K. K. Darrow, APS, Columbia Univ., N.Y. 27.)

23–24. American Soc. of Animal Production, annual, Chicago, Ill. (W. M. Beeson, Dept. of Animal Husbandry, Purdue Univ., W. Lafayette, Ind.)

24. American Ethnological Soc., New York, N.Y. (A. G. James, Hunter College, Bronx 68, N.Y.)

25–30. American Rocket Soc., annual, New York, N.Y. (J. J. Harford, ARS, 29 W. 39 St., New York 18.)

25–30. American Soc. of Mechanical Engineers, annual, New York, N.Y. (C. E. Davies, ASME, 29 W. 39 St., New York 18.)

26–28. American Soc. of Refrigerating Engineers, Boston, Mass. (R. C. Cross, ASRE, 234 Fifth Ave., New York 1.)

26–30. Automation Exposition, 3rd intern., New York, N.Y. (TIAE, Richard Rimbach Associates, Inc., 845-A Ridge Ave., Pittsburgh 12, Pa.)

27–30. American Medical Assoc., clinical, Seattle, Wash. (G. F. Lull, AMA, 535 N. Dearborn St., Chicago 10, Ill.)

27–30. National Chemical Exposition, 9th, Cleveland, Ohio. (American Chemical Soc., 1155 16 St., NW, Washington 6.)

(See issue of 21 September for comprehensive list)