

The New York Meeting, AAAS

December 26–31, 1949

AAAS Special Sessions

One of the features that characterize the Association's Annual Meetings is a series of general lectures and addresses, frequently sponsored by organizations that meet regularly with the AAAS, and open to the general public of the city in which the meeting is held. The series will be continued this year, with several notable additions. All but one of the lectures are scheduled for the Grand Ballroom of the Hotel Statler, the largest available room. Since these sessions are not restricted to registrants, and the capacity of the ballroom is limited, early arrival is advisable.

The presidential address, by retiring president Edmund W. Sinnott, director of the Sheffield Scientific School, Yale University, will be held Wednesday evening, December 28, at the Grand Ballroom of the Hotel Statler, at 8:00 p.m. His subject will be "Ten Million Scientists." Elvin C. Stakman, President of the Association, will preside. G. B. B. M. Sutherland, official representative of the British Association for the Advancement of Science, and officers of the AAAS will be seated on the platform. Members of the Honorary Reception Committee will have reserved seats. The presidential reception that follows this address is open to all registrants. The speaker, officers of the Association, and members of the Honorary Reception Committee will be in the receiving line.

The address by G. B. B. M. Sutherland, of the British Association for the Advancement of Science, "The Growing Importance of Infrared Studies in Physics, Chemistry, and Biology," will be held in the Grand Ballroom of the Statler, on Wednesday afternoon, December 28, at 4:30 p.m. An exchange address by an official representative of the BAAS, which antedates the AAAS by 17 years, has come to be traditional, and significant of the ties between scientists throughout the world. This year Dr. Sutherland is professor of physics in the Harrison M. Randall Laboratory of Physics, University of Michigan; last year he was reader in spectroscopy and fellow of Pembroke College in the University of Cambridge. His recent election as Fellow of the Royal Society was for his distinguished work in infrared physics at Cambridge.

The Josiah Willard Gibbs lecturer this year will be Norbert Wiener, of the Massachusetts Institute of Technology, who will speak on "The Mathematics of Sensory Prosthesis." This mathematics lecture, sponsored by the American Mathematical Society, will be held at McMillan Theatre, Columbia University, on Wednesday afternoon, December 28, at 4:30 p.m.

The National Geographic Society's annual lecture will be held Tuesday afternoon, December 27, at 3:00 p.m. in the Statler's Grand Ballroom. Those who have attended these illustrated lectures before know their excellence. This year's speaker will be Frank M. Setzler, head curator

of the Smithsonian's Department of Anthropology, who was coleader last year of an expedition to Arnhem Land in Australia, sponsored jointly by the National Geographic Society, the Smithsonian Institution, and the Commonwealth of Australia (see *Science*, May 20, page 528). With a sound film in color, Dr. Setzler will describe the customs of the little-known aborigines of Arnhem Land, and also its topography, fauna, and flora.

The Scientific Research Society of America, recently organized by The Society of the Sigma Xi, offers as speaker for its first annual lecture John R. Dunning, Columbia University's distinguished physicist, who will speak on "Recent Advances in Nuclear Physics." George A. Stetson, editor of *Mechanical Engineering*, and chairman of RESA, will preside at this session, which will be held Monday evening, December 26, at 8:00 p.m. in the Statler's Grand Ballroom.

One of the outstanding features every year is the annual address of The Society of the Sigma Xi. This year it will be made by Theodosius Dobzhansky, Columbia University zoologist and author of *Genetics and origin of species*. Dr. Dobzhansky has recently returned from South America and the subject of his illustrated lecture will be "Evolution in the Tropics." George B. Pegram, vice president of Columbia University and president of The Society of the Sigma Xi, will preside at the session, to be held in the Statler Grand Ballroom, Tuesday evening, December 27, at 8:00 p.m.

There will be an important forum on "Research and National Security" in the Statler's Grand Ballroom, Thursday, December 29, at 10:00 a.m. Detlev W. Bronk, president, The Johns Hopkins University, will preside; the speakers will include representatives of the armed forces and the AEC.

AAAS Exhibits

The AAAS Annual Science Exposition, larger and more diversified than ever before—70 exhibitors, 86 booths—will be held throughout the week in the Penn Top and Salle Moderne, on the 18th floor of the Hotel Statler, and is open to all adults. Hours are 2:00 p.m. to 6:00 p.m. Monday; 9:00 a.m. to 6:00 p.m. Thursday and Friday; 9:00 a.m. to 9:00 p.m. Tuesday and Wednesday; and 9:00 a.m. to 12:00 m. Saturday. The exhibits will be listed and described in the Preconvention Issue of *Science*.

Science-teaching exhibits will be displayed all day Thursday, December 29, in the Hotel New Yorker's Grand Ballroom. There will be two sets of exhibits: (1) materials and devices found useful in science teaching by science teachers in New York City; and (2) materials of interest to science teachers, arranged by scientific institutions in and near New York City.

Visual displays illustrating the principles of television, set up by the New York Section of the American Institute

of Electrical Engineers jointly with AAAS Section M, will occupy the East Room of the Hotel McAlpin for three days, Wednesday, Thursday, and Friday, December 28, 29, and 30.

Exhibits of the American Society of Human Genetics will be on display all week in adjoining Parlors J and F, Hotel Governor Clinton.

Technical demonstrations of three biological societies will be on display: American Society of Parasitologists—Schemerhorn Hall, Rooms 864, 903–913, Columbia University, Wednesday afternoon, December 28, 2:30–5:00 p.m.; American Society of Zoologists—Schemerhorn Hall, Rooms 652–654, Columbia University, Thursday afternoon, December 29, beginning 2:00 p.m.; Genetics Society of America—Schemerhorn Hall, Rooms 903–913, Columbia University, Thursday afternoon, December 29, beginning 2:00 p.m.

AAAS Symposia

Several symposia, joint meetings, and panel discussions that explore relatively neglected areas of scientific inquiry, or survey current knowledge in a given field, are designated AAAS-sponsored symposia. Such programs are helpful because they summarize the present status of research, focus attention upon critical points, and give direction to further research. Scientists well established in their fields and younger specialists have come to anticipate AAAS symposia and they have become an increasingly important aspect of the annual meetings of the Association. Not infrequently, such papers are gathered into symposium volumes. Typically, these programs originate in the minds of the able officers of the Association's sections and are developed by them, individually or by committees. This year the Symposium Committee is composed of President Elvin C. Stakman, chairman; General Secretary Karl Lark-Horovitz; Walter C. Miles; and Assistant Administrative Secretary, Raymond L. Taylor, secretary.

The problem of scheduling these symposia—several of them requiring four sessions—with a minimum of interference with the regular paper-reading sessions of the participating societies, this year has largely been solved by grouping most of them on two successive days, Thursday and Friday, December 28 and 29. Even this, however, has required the cooperation of the societies. It is planned for 1950 that all Association-sponsored symposia shall be grouped at the beginning or end of the six-day period of the meetings—an obvious advantage to those who may be particularly interested in the sessions of the participating societies or the symposia and no disadvantage to those who elect to stay for both.

The ten Association-sponsored symposia of 1949 comprise:

1. Trends in Modern Science

Tuesday morning, December 27, Grand Ballroom, Hotel New Yorker, at 10:00 a.m. Arranged jointly by AAAS Cooperative Committee, American Nature Study Society, National Association of Biology Teachers, National Science Teachers Association; *Karl Lark-Horovitz*, head, Department of Physics, Purdue University, and General

Secretary of the AAAS, in charge and presiding. Speakers: *Lawrence L. Quill*, head, Department of Chemistry, Michigan State College; *Lincoln V. Domm*, Department of Zoology, University of Chicago; and *Elvin C. Stakman*, chief, Division of Plant Pathology and Botany, University of Minnesota.

2. Science in General Education

Thursday afternoon, December 29, Grand Ballroom, Hotel Statler, at 1:30 p.m. Arranged by the AAAS Cooperative Committee, *Karl Lark-Horovitz*, head, Department of Physics, Purdue University, in charge and presiding. Speakers: *Earl McGrath*, Commissioner of Education, U. S. Office of Education; *Paul B. Sears*, chairman, Department of Botany, Oberlin College; *Morris Meister*, principal, Bronx High School of Science; and *Karl Lark-Horovitz*, head, Department of Physics, Purdue University.

3. Improvement of Science Instruction on the College Level: A Panel Discussion

Thursday afternoon, December 29, Grand Ballroom, Hotel Statler, 3:30 p.m. *Elvin C. Stakman*, chief, Division of Plant Pathology and Botany, University of Minnesota, and President of the AAAS, in charge and presiding. Speakers: *James B. Conant*, president, Harvard University; *W. F. Loehwing*, head, Department of Botany, University of Iowa; *Fernandus Payne*, chairman, Department of Zoology, dean of the Graduate School, University of Indiana; and *Alan Gregg*, director of medical science, Rockefeller Foundation.

4. The Present State of Physics

Arranged by *F. S. Brackett*, chief, Low Energy Radiation Biology Section, National Institutes of Health, and Secretary of the AAAS Section B—Physics. Four sessions.

1. Elementary Particles. Thursday afternoon, December 29, Georgian Room, Hotel Statler, at 2:00 p.m.; *Gregory Breit*, Physics Department, Yale University, presiding. Speakers: *P. Kusch*, Department of Physics, Columbia University; *E. P. Ney*, Physics Department, University of Minnesota; and *Jabez C. Street*, Physics Department, Harvard University.

2. Physics of the Solid State. Friday morning, December 30, Georgian Room, Hotel Statler, at 9:30 a.m.; *F. S. Brackett*, presiding. Speakers: *Karl Lark-Horovitz*, head, Department of Physics, Purdue University; *John W. Bardeen*, Bell Telephone Laboratories; and *Arthur R. Von Hippel*, Department of Electrical Engineers, Massachusetts Institute of Technology.

3. Chemical Physics. Friday afternoon, December 30, Georgian Room, Hotel Statler, at 1:30 p.m.; *Sterling Hendricks*, U. S. Bureau of Plant Industry, presiding. Speakers: *Peter W. Debye*, Baker Chemical Laboratory, Cornell University; and *Henry Eyring*, dean, Graduate School, University of Utah.

4. Biophysics. Friday afternoon, December 30, Georgian Room, Hotel Statler, at 3:30 p.m.; *Kenneth S. Cole*, Naval Medical Center, Bethesda, presiding. Speakers: *Frank Brink, Jr.*, Department of Biophysics, The Johns Hopkins University; and *F. H. Johnson*, Department of Biology, Princeton University.

5. Steroid Hormones and Sex Differentiation in Vertebrates

Friday afternoon, December 30, Grand Ballroom, Hotel Statler, at 2:00 p.m. Arranged by *J. H. Bodine*, head, Department of Zoology, University of Iowa and Secretary of AAAS Section F—Zoology, and *L. V. Domm*, Whitman Laboratory of Experimental Zoology, University of Chicago. *Roland K. Meyer*, University of Wisconsin, presiding. Speaker: *Emil Witsch*, Department of Zoology, University of Iowa; Discussants: *Clifford Grobstein*, National Cancer Institute, and *W. J. Eversole*, Syracuse University; Speaker: *L. V. Domm*, Whitman Laboratory of Experimental Zoology, University of Chicago; Discussant: *B. H. Willier*, director, Biological Laboratories, The Johns Hopkins University. Speaker: *C. R. Moore*, Whitman Laboratory of Experimental Zoology, University of Chicago; Discussant: *R. K. Burns, Jr.*, Department of Embryology, Carnegie Institution, Baltimore.

6. The Kinsey Report and its Contributions to Related Fields

Friday evening, December 30, Grand Ballroom, Hotel Statler, at 8:00 p.m. Arranged by *J. H. Bodine*, head, Department of Zoology, University of Iowa, Secretary of AAAS Section F—Zoology; *George W. Corner*, Carnegie Institution, Baltimore, presiding. The speakers on this critique of the Kinsey Report are: *Morris L. Ernst* of the New York law firm, Greenbaum, Wolff and Ernst, for the field of law; *Ralph Linton, Jr.*, Department of Anthropology, Yale University, for anthropology; *Hugh J. Parry*, the Anti-Defamation League, New York City, for the field of statistics; and *Manfred S. Guttmacher*, chief medical officer, the Court House, Baltimore, Maryland, and also chairman of the American Psychiatric Association Committee on Legal Aspects of Psychiatry, for the field of psychiatry.

7. Botany in the Service of Man: A Panel Discussion

Thursday afternoon, December 29, Winter Garden, Hotel McAlpin, at 2:00 p.m. Arranged by *Stanley A. Cain*, botanist, Cranbrook Institute of Science, and Secretary of the AAAS Section G—Botany; *William C. Steere*, chairman, Department of Botany, University of Michigan, and Chairman of AAAS Section G, moderator. Speakers: *Hazel K. Stiebeling*, in charge of the Food Economics Section, Bureau of Home Economics, U. S. Department of Agriculture; *S. T. Dana*, dean, School of Forestry and Conservation, University of Michigan; *Gove Hambidge*, special assistant to the director, Food and Agriculture Organization of the United Nations; *Knowles A. Ryerson*, dean of the College of Agriculture, University of California; and *Frans Verdoorn*, editor, *Chronica Botanica*.

8. Nuclear Engineering

Tuesday evening, December 27, Parlor 1, Hotel Statler, at 7:30 p.m. Arranged jointly by *Frank D. Carvin*, Department of Mechanical Engineering, Illinois Institute of Technology, and Secretary of AAAS Section M—Engineering, and *Irving P. Orens*, chairman of the Graduate Division, Newark College of Engineering; a joint program of Section M and the Newark College of Engi-

neering. *Irving P. Orens*, presiding. *Robert W. Van Houten*, president of the Newark College of Engineering, will deliver an address of welcome. Speakers: *W. R. Woolrich*, dean of engineering, University of Texas and Chairman of AAAS Section M; *K. D. Nichols*, Major-General, U. S. Army; *Conrad P. Straub*, U. S. Health Service, Oak Ridge, Tennessee; and *Irving P. Orens*, chairman, Graduate Division, Newark College of Engineering.

9. Television

Arranged jointly by *Frank D. Carvin*, Department of Mechanical Engineering, Illinois Institute of Technology and Secretary of AAAS Section M—Engineering, and *I. E. Lattimer*, American Telephone and Telegraph Company; a joint program of Section M and the New York Section of Electrical Engineers. Two sessions.

1. Technology of Television. Wednesday evening, December 29, Crystal Room of the Hotel McAlpin, at 8:00 p.m.; Round Table Discussion. *John V. L. Hogan*, president, Hogan Laboratories, Inc., moderator. Speakers: *John H. Roe*, supervisor, Television Engineering Group, Radio Corporation of America; *R. M. Bowie*, manager, Physics Laboratories, Sylvania Electric Products Company; and *T. T. Goldsmith, Jr.*, director of research, Allan B. DuMont Laboratories.

2. Impact of Television on Society and Future Developments. Thursday evening, December 29, Crystal Room of the Hotel McAlpin, at 8:00 p.m.; Round Table Discussion. *W. L. Lawrence*, science reporter, The New York Times, moderator. Speakers: *Sterling Fisher*, manager of public affairs and education; National Broadcasting Company; *Ricardo Muniz*, general manager, Allan B. DuMont Laboratories; and *Finley Carter*, vice president in charge of engineering, Sylvania Electric Company.

10. The Adrenal Cortex

Arranged by *Gordon K. Moe*, Department of Pharmacology, University of Michigan and Secretary of AAAS Section N—Medical Sciences and Subsection Nm—Medicine. Four sessions.

1. Wednesday morning, December 28, Keystone Room, Hotel Statler, at 9:30 a.m.; *J. S. L. Browne*, McGill University, presiding. Speakers: *C. H. Li*, University of California; *C. N. H. Long*, Yale University; *J. W. Conn*, University of Michigan; *Floyd R. Skelton*, University of Montreal; *Dwight J. Ingle*, The Upjohn Company; and *G. W. Wooley*, Roscoe B. Jackson Memorial Laboratory.

2. Thursday morning, December 29, Keystone Room, Hotel Statler at 9:30 a.m.; *D. J. Ingle*, The Upjohn Company, presiding. Speakers: *Abraham White*, University of California; *Frank L. Engel*, Duke University; *Thomas F. Dougherty*, University of Utah; *Burton L. Baker*, University of Michigan; *Roy O. Greep*, Harvard University; *Helen W. Deane*, Harvard University; and *Robert Gaunt*, Syracuse University.

3. Thursday afternoon, December 29, Keystone Room, Hotel Statler, at 2:00 p.m.; *C. N. H. Long*, Yale University, presiding. Speakers: *Alan Gregg*, Rockefeller Foundation; *Frederic C. Bartter*, Massachusetts General Hospital; *J. S. L. Browne*, McGill University; *Lawrence*

W. Kinsell, University of California; O. H. Pearson, Sloan-Kettering Institute; and L. P. Eiel, Sloan-Kettering Institute.

4. Thursday evening, December 30, Keystone Room, Hotel Statler, at 7:30 p.m.; J. R. Mote, Armour Laboratories, presiding. Speakers: E. Venning, McGill Univer-

sity; Konrad Dobriner, Sloan-Kettering Institute; H. L. Mason, Mayo Clinic; R. G. Sprague, Mayo Foundation; M. H. Power, Mayo Foundation; A. C. Corcoran, Cleveland Clinic Foundation; E. S. Gordon, University of Wisconsin; and Hudson Hoagland, Worcester Foundation for Experimental Biology.

NEWS and Notes

Louis W. Hutchins, member of the staff of the Woods Hole Oceanographic Institution, has been appointed director of the Bermuda Biological Station. Dr. Hutchins will still devote part of his time to Woods Hole, where his chief work has been directing Navy-financed studies on organisms causing fouling on marine vessels and structures.

Karl T. Compton has resigned as Chairman of the Research and Development Board of the National Military Establishment because of ill health. Pending the naming of a successor, President Truman announced that the board would be headed, at Dr. Compton's suggestion, by Robert F. Rinehart as deputy chairman.

Alfred H. Hausrath, Jr. has been appointed director of the Cooperative Test Division of Educational Testing Service, Princeton, New Jersey. He was formerly consultant on training and personnel administration for the Foreign Military Assistance Program of the Department of State.

Roscoe F. Sanford has retired after more than 30 years of service as spectroscopist in Pasadena, at the Mt. Wilson and Palomar observatories. Before going to Mt. Wilson, Dr. Sanford had been stationed at observatories in Argentina for three years by the Carnegie Institution and in Chile for four years by Lick Observatory. At Mt. Wilson he pioneered the application of high dispersion to variable and double stars and made notable photographs of

the spectra of cool red "carbon" stars.

Granville A. Bennett, professor of pathology and chairman of the department, University of Illinois College of Medicine, will deliver the fourth Richard H. Jaffé Memorial Lecture of the Institute of Medicine of Chicago on Friday evening, November 25. His subject will be "Reactive and Neoplastic Changes in Synovial Tissues."

John E. Barkley, supervisor of physical chemistry research at Armour Research Foundation of Illinois Institute of Technology, is spending two weeks in London, consulting with British scientists on the latest developments in infrared photocell research. Dr. Barkley has visited several laboratories in England and participated in field tests. He expects to return to the U. S. about November 18.

John M. Brookhart has recently resigned his position as assistant professor of physiology at Northwestern University Medical School to take up duties as associate professor of physiology at the University of Oregon Medical School, Portland, Oregon.

Marshall J. Walker, formerly of the Alleghany Ballistics Laboratory and the National Bureau of Standards, and Stephen S. Friedland, University of New Mexico physicist, have joined the staff of the Physics Department of the University of Connecticut. Dr. Friedland is planning to build a mass spectrometer especially adapted for the analysis of biological materials.

Oskar Baudisch, director of research at Saratoga Springs Commission, is spending the winter as a visiting investigator at the Scripps Institution of Oceanography, La Jolla, California. Dr. Baudisch is engaged in the organization of a re-

search program on trace elements in the sea and marine organisms.

Visitors to U. S.

F. C. Bawden, head of the Plant Pathology Department, Rothamsted Experimental Station, England, and author of the standard treatise, *Plant viruses and virus diseases*, will be a visiting lecturer at Yale University during March, 1950. Mr. Bawden will deliver a series of ten lectures on plant viruses under the auspices of the Yale Departments of Plant Science and of Microbiology. Following his residence at Yale, Mr. Bawden will visit laboratories and experiment stations throughout the country. Further information on these lectures may be obtained from Prof. Henry P. Treffers, Director of Graduate Studies in Microbiology, Yale University.

Luis Molina Johnson, director of the training station in tropical diseases in Boca del Rio, Vera Cruz, spent a week in Washington, D. C. consulting with the World Health Organization. Now in Ecuador, he will act as WHO consultant on maternal and child health.

Visitors at the National Bureau of Standards during the week of October 31–November 4 included: Augusto Falcon de Gyves, engineer with the Geophysics Institute of the University of Mexico; G. G. Graham, chief, technical services, National Film Board of Canada; Ricardo Monges Lopez, director, Geophysics Institute of the University of Mexico; T. Mylvaganam, irrigation engineer, Irrigation Laboratory, Department of Irrigation, Colombo, Ceylon; R. A. Smith, superintendent of Physics Department, Telecommunications Research Establishment, Gt. Malvern, England; Alfonso Vaca Alatone, engineer with the Geophysics Institute of the Uni-