

Association Affairs

Preliminary Announcement Sixth St. Louis Meeting

December 26-31, 1952

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The 119th Meeting of the AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE—the annual meeting for the year 1952—promises to be one of the most significant meetings the AAAS has ever held. No organization that has grown each year until it now has 232 affiliates and nearly 50,000 individual members could hold an unimportant meeting, but this year certain programs will have especial significance in a time of tension and emergency. Consistent with the prime purposes for which it was founded more than 104 years ago, the Association's meeting will bring together leaders and younger men and women in every field of science, not only to read papers and discuss their specialties but also to attack some of the problems that affect science and the world today. Several of the programs, and particularly the general symposia, will merit the attention and attendance of all who can possibly journey to St. Louis.

At this year's meeting—which has as its theme "The Common Ground of Science, Mathematics, Engineering, and Industry," and which is officially recognized as the final event of the Centennial of Engineering—it is anticipated that there will be an increased attendance of engineers and industrial scientists meeting with scientists in other fields. At the same time, however, all 18 of the Association's sections and sub-sections have planned attractive programs of their own, and at least ten sections will have sessions for contributed papers. Some 30 societies have scheduled national meetings or regional sessions with the AAAS. The relative nearness of St. Louis to all large Midwestern institutions assures a good attendance from this great area but, as usual, no section of the United States and Canada will be unrepresented.

The Association will sponsor two general symposia that will equal, and may even surpass, those on "Soviet Science" and "Operation Knowledge" at last year's Philadelphia meeting. The first of these, scheduled for early in the meeting period, is "Disaster Recovery," first proposed by the AAAS Section M Committee, and adopted with enthusiasm by the AAAS Symposium Committee. In scope, its three or four sessions will deal with recovery from disasters of natural origin (floods, hurricanes), from large-scale industrial disasters, and from such disasters as wartime urban fire raids and atomic blasts. National and international authorities will be among the speakers; there will be a serious attempt to assess the common principles of the reactions and recovery of communities; and such aspects as emergency and health measures, law and order, psychology and morale, re-establishment of transport and communications, legal

questions (identification of casualties, replacement of records), and rebuilding and city planning will be considered.

The second general symposium, which will comprise two sessions on December 30, will consider latest developments in "The Nation's Nutrition," from "soil to cytoplasm." Following an introductory examination of soils from a nutritional point of view, photosynthesis, and plant and animal food products, the larger part of the program will be concerned with the biochemistry of human nutrition, caloric requirements, protein requirements and amino acids, vitamins and trace bio-elements, and food processing and its effects. Howard B. Lewis, chairman of the Department of Biological Chemistry, University of Michigan, is program chairman.

The week's activities will center in the Henry W. Kiel Auditorium, within a few blocks of all downtown hotels. Here will be held the general symposia, some of the mathematical sessions, the sessions of the Oak Ridge Institute of Nuclear Studies, nearly all the sectional programs, the National Geographic Society's Annual Lecture, and the Biologists' Smoker. The physical relationships of the session rooms, the Main Registration, the Visible Directory of Registrants, the AAAS Science Theatre, and the Annual Exposition of Science and Industry, which will fill the Auditorium's Convention Hall, are almost ideal.

Hotels. The Jefferson Hotel will be AAAS Headquarters and will house the engineers and the physical and industrial scientists. It will be the locale of such evening events as the AAAS Presidential Address and Reception, December 28; the Sigma Xi Annual Address, December 29; and the Annual Address of the Scientific Research Society of America, December 30. The Statler will be headquarters for the Society of Systematic Zoology, the Herpetologists League, Alpha Epsilon Delta, and other medical and biological groups, including the botanists and the ecologists. The three science teaching societies, the National Association of Biology Teachers, the National Science Teachers Association, and the American Nature Study Society, will occupy the Hotel De Soto. The American Mathematical Society and the Mathematical Association of America, which are meeting with the AAAS for the first time since 1949, will hold most of their sessions on the campus of Washington University and will probably be housed in the Forest Park, Kingsway, and Roosevelt hotels. Among other hotels that have pledged sleeping accommodations at moderate rates are the Lennox, Mark Twain, and Mayfair (all convenient to the De Soto, Jefferson, Statler, and the Kiel Auditorium). Housing information and coupons for room reservations will appear in *SCIENCE* and *THE SCIENTIFIC MONTHLY* beginning about the end of July.

Advance registration. As in recent years, advance registrants will receive the General Program early

in December by first-class mail. Coupons will appear in the AAAS journals, beginning in late July. This year, the General Program will be simplified in format, its directory content will be increased, and, in response to an increasing demand, it will be made available to others not planning to attend.

THE PROGRAMS

A—Mathematics

The *American Mathematical Society*, holding its national meeting with the AAAS, will have some 17 sessions for short contributed papers, three invited addresses, a business meeting, and a banquet. President J. Von Neumann will deliver his retiring address, and the Gibbs Lecture will be given by Marston Morse; both are in the Institute for Advanced Study. The national meeting of the *Mathematical Association of America* is scheduled for December 30. The vice-presidential address of the chairman of *AAAS Section A* will be given by R. L. Wilder, University of Michigan.

B—Physics

The *American Meteorological Society*, which will hold its 119th meeting with the AAAS, plans a number of sessions for contributed papers. The *Oak Ridge Institute of Nuclear Studies* will have two symposia: "Use of Radioisotopes in Industry," which will be cosponsored by Section B; and "Research Applications of Carbon 14;" ORINS will sponsor a luncheon the same day. The *St. Louis University Institute of Geophysics*, the *American Meteorological Society*, and the *American Geophysical Union* will cosponsor one or more symposia in geophysics (meteorology, seismology, hydrology). *AAAS Section B*, in addition to its cosponsorship of the radioisotopes symposium, will have a symposium on "Magnetic Resonance and its Applications;" at the physicists' dinner, Arthur H. Compton, Chancellor of Washington University, will give the vice-presidential address.

C—Chemistry

AAAS Section C has allotted two days for contributed papers in the principal fields of chemistry and the remaining four days for a series of symposia on medical and industrial chemistry.

D—Astronomy

The *American Astronomical Society* has not yet decided on its national meeting plans for 1952. The program of *AAAS Section D*, however, will include at least one technical symposium and a vice-presidential address by Harold L. Alden, Leander McCormick Observatory, University of Virginia.

E—Geology and Geography

The *Geological Society of America* and *AAAS Section E* will cosponsor sessions for contributed papers in general geology; a two-session symposium on "Modern Research of the State Geological Surveys and its Economic Values." This program of six papers, by as many state geologists, with six planned discussions, has been arranged by M. M. Leighton, chief, Illinois Geological Survey. There will also be a second symposium; and at a smoker, George W. White, University of Illinois, will give the vice-presidential address. Section E will also have two sessions for contributed papers in geography. The *National Speleological Society* plans a regional meeting. The *National Geographic Society* has scheduled its Annual Lecture for Monday evening, December 29.

F—Zoological Sciences

The *Society of Systematic Zoology*—with 1100 members, now one of the nation's largest zoological societies, concerned with all natural history phases of zoology—is holding its national meeting with the AAAS. In conjunction with *AAAS Section F* it will hold sessions for contributed papers in the mornings, book panels in the afternoons, and symposia of both technical and general interest in the evenings. The book panels will discuss two recent books on evolution and six recent texts in college biology and zoology; participants will include the authors and well-known zoologists, biochemists, psychologists, and paleontologists. Other zoological and science teaching societies will cosponsor appropriate sessions. The *Herpetologists League* will have a symposium on the common names of reptiles and amphibians of the United States, December 30.

FG—Zoological and Botanical Sciences

The *National Association of Biology Teachers*, for which this is the annual national meeting, will hold nine sessions and a luncheon over a five-day period, the last two days being devoted to the NABT Conservation Project. The *American Nature Study Society*, at its annual national meeting with the AAAS, will hold four days of sessions, including a symposium on the Nature Study Movement and panels on Nature Photography and Nature in Radio, Television, Press, and Magazines; President Roger Tory Peterson will preside. The *Ecological Society of America*, for which this is one of three regular meetings, will cosponsor the paper-reading sessions in plant and animal ecology of Sections F and G, a symposium on "The Western Range," of which F. W. Albertson, Fort Hays Kansas State College, is program chairman, and the *AAAS Section G* symposium "The American Midwest: I—The Cradle of Ecology; II—The Cradle of Conservation."

G—Botanical Sciences

In addition to the preceding symposium, *AAAS Section G* will have sessions for contributed papers in the principal fields of botany, a symposium in plant physiology cosponsored by the *Illinois and Purdue Chapters of the American Society of Plant Physiologists* and the *American Society of Naturalists*, arranged by Barry Commoner.

H—Anthropology

AAAS Section H has planned sessions for contributed papers, symposia on "New Developments in Southwestern Archaeology," "The Plains and the Rio Grande Pueblos," and, with Section K, a four-session symposium on "World Plans for Technical Assistance."

I—Psychology

AAAS Section I has scheduled sessions for contributed papers, a symposium on "Problems in Psychotherapy," and a two-session symposium, "Men and Machines," of which Philip H. Du Bois, Washington University, is program chairman. As usual, the vice-presidential addresses of Sections I and Q will be given jointly.

K—Social and Economic Sciences

AAAS Section K, in addition to the joint program with Section H, above, and with Section O, below, will hold a session on "Social Ecology," arranged by Amos Hawley, University of Michigan; will hold a joint session with the *American Statistical Association*; and

will cosponsor a symposium with the *National Academy of Economics and Political Science*. The National Social Science Honor Society, *Pi Gamma Mu*, will collaborate and will hold its annual luncheon.

L—History and Philosophy of Science

The *Philosophy of Science Association* plans five sessions. *AAAS Section L* will cosponsor some of these, certain programs of Sections F and G, and is arranging programs on the methodology of industrial research and on the history of science, cosponsored by the *History of Science Society*.

M—Engineering

AAAS Section M, which suggested and will assist with the Disaster Recovery general symposium, will have a six-session symposium on "Cooperation between Science, Engineering, and Industry;" will cosponsor a program being jointly arranged by the *St. Louis University Department of Engineering*, the *Washington University School of Engineering*, and the *Engineers' Club of St. Louis*; will cosponsor certain programs of *AAAS Sections I, N, and P*; and will cosponsor an important program on rail transportation, which will be arranged by the *Association of American Railroads*. Topics included are The Railroad Research Laboratory at the Illinois Institute of Technology, Scientific and Engineering Aspects of Central Traffic Control, Diesel Operation, and the Economics of Electrification vs. Dieselization.

N—Medical Sciences

The *American Psychiatric Association* is arranging a special program, under the direction of Jacob E. Finesinger, University of Maryland. *Alpha Epsilon Delta*, National Premedical Society, will hold its annual luncheon and is arranging a symposium. *AAAS Section N* is cosponsoring the symposia of Section I; the vice-presidential address will be given by William S. McCann, University of Rochester.

Nm—Medicine

AAAS Subsection Nm will have an exhibit on "Medicine and Instrumentation;" and will have symposia on "Industrial Hygiene and Toxicology," "Human Engineering," cosponsored by Section M, and another to be decided.

Nd—Dentistry

AAAS Subsection Nd will hold sessions for contributed papers and three symposia, "Scientific Aspects of Dental Filling Materials," "Engineering and Chemical Factors of Water Fluoridation," and "The Chemistry of Saliva;" there will also be a luncheon.

Np—Pharmacy

AAAS Subsection Np plans sessions for contributed papers from (a) pharmaceutical manufacturing firms, (b) accredited schools of pharmacy, and (c) pharmacy associations. It will have a symposium on "Newest Drug Therapy Agents." The *American Society of Hospital Pharmacists* and the *Scientific Section, American Pharmaceutical Association*, will cosponsor this program, of which George F. Archambault, U. S. Public Health Service, is chairman.

O—Agriculture

AAAS Section O, jointly with Section K, will have a four-session symposium on "Combined Resource Development with Special Reference to the Missouri Valley." The scope includes soils, vegetation, agriculture, minerals, hydrology, industrial development, investment, government. Charles E. Kellogg, chief, U. S.

Soil Survey, program chairman, has received acceptances from distinguished authorities for each aspect; the treatment will be objective, with emphasis on scientific principles throughout.

P—Industrial Science

The *American Industrial Hygiene Association* will hold a regional meeting with the *AAAS* on December 30. The *Society for Industrial Microbiology*, for which this is one of two regular meetings, will hold six or more sessions. A symposium and conference of industrial microbiologists is being arranged by J. E. McClary, director of research, Anheuser-Busch, Inc., which will be cosponsored by *AAAS Section P*, the Society for Industrial Microbiology, the *Mycological Society of America*, and the *St. Louis Academy of Science*. The program of *AAAS Section P* is incomplete but is expected to surpass the excellent initial program.

Q—Education

AAAS Section Q will have sessions for contributed papers, symposia on "Contributions of Education to Engineering and Industry," "Contributions of Engineering and Industry to Education," and a panel on "The Regents Examination System in New York." The first session, "An Evaluation of the New York State Regents Examinations in Science," will be cosponsored by the *AAAS Cooperative Committee on the Teaching of Science and Mathematics* and the *National Science Teachers Association*. The Cooperative Committee will also sponsor a meeting on the topic "The Identification of Talented Youth in Science and Mathematics," and is joining with the National Science Teachers Association, the National Association of Biology Teachers, and the American Nature Study Society in sponsoring several sessions devoted to a consideration of effective techniques for implementing science teaching objectives at the various levels of instruction, special methods for dealing with slow and with rapid learners, and desirable characteristics of science textbooks. The National Science Teachers Association, holding its four-day national meeting with the *AAAS*, will have a series of sessions, including one on "Plans for the Future Scientists of America Foundation."

X—Science in General

The *Academy Conference*, with official delegates from most of the 38 academies of science affiliated with the *AAAS*, will hold two sessions devoted to round-table discussions of academy problems and a dinner; the retiring president, Clinton L. Baker, Southwestern College, will deliver an address on the history of the Academy Conference. The *St. Louis Academy of Science* will hold its December meeting with the *AAAS*. The *Conference on Scientific Manpower II* will hold sessions on three consecutive mornings on "Review and Assessment of Research on Scientific and Engineering Manpower," "Functions and Utilization of Rosters and Directories of Specialized Manpower," and "National Policies for Military Service." The program, under the chairmanship of Ralph M. Hogan, Human Resources Division, Office of Naval Research, will be cosponsored by the Engineering Manpower Commission and other agencies, including the *AAAS Cooperative Committee*. The *National Association of Science Writers* will hold its semiannual meeting with the *AAAS* and will have a program. The Annual Addresses or Lectures of the *National Geographic Society*, the *Scientific Research Society of America*, and the *Society of the Sigma Xi* have already been mentioned.