

Eighth Philadelphia Meeting

Additional Program Notes, Hotel Headquarters,
and Housing for the Philadelphia Meeting

Raymond L. Taylor

The preliminary announcement of the eighth Philadelphia meeting of the AAAS, to be held 26–30 December 1962 [*Science* **136**, 718 (25 May 1962)], was principally an outline of the many sessions of the 20 AAAS sections and of some 80 participating organizations. It was apparent not only that this year's meeting in downtown Philadelphia will be well balanced in its coverage—with every principal field of science, from astronomy to zoology, well represented—but that the programs, including the special sessions, will be particularly attractive. Since virtually all the sessions will be held in one or another of three large hotels located within a few blocks of each other, the meeting will also be a convenient one.

Additional details of the program of this 129th AAAS meeting have come in since publication of the preliminary announcement. In several instances symposia have been expanded, speakers of prominence have accepted invitations, and program chairmen have raised their original attendance estimates. The following supplementary information about various programs can be announced at this time.

Special and General Sessions

26 December, evening. AAAS board member Henry Eyring will preside at the general session "Moving Frontiers of Science," part I; Homer E. Newell and Sterling B. Hendricks will be the lecturers.

28 December, morning. A second interdisciplinary symposium, one in the physical sciences, originally planned to be a joint session of the sections on Physics and on Astronomy, will be

scheduled. The subject will be the dynamics of planetary atmospheres. The symposium will be arranged by Julius London (University of Colorado), and papers will be presented as follows: "The role of convection in the dynamics of planetary atmospheres," Philip D. Thompson (National Center for Atmospheric Research, Boulder); "The vertical propagation of energy in the atmosphere," Arnt Eliassen (Geophysics Institute, University of Oslo); "Turbulence in the upper atmosphere," Colin O. Hines (Defence Research Board, Ottawa; soon to join the University of Chicago); and "Laboratory experiments relating to the dynamics of planetary atmospheres," Raymond Hide (Massachusetts Institute of Technology).

The program for the interdisciplinary symposium on the spread of technical knowledge as an instrument of economic development has been revised to include the following papers and speakers: "Mechanisms of transfer of knowledge between nations," William N. Parker (University of North Carolina); "The spread of technical information through industrialization," Paul Strassman (Michigan State University); "The spread of technical knowledge in agriculture," E. A. Wilkening (University of Wisconsin); and "Scientific communities and technological adaptation," Robert S. Merrill (University of Rochester).

The interdisciplinary symposium in the chemical and biomedical sciences, on the biochemistry of genetic transcription, will be arranged by Severo Ochoa (New York University) and Philip H. Abelson (Carnegie Institution of Washington and editor of *Science*).

28 December, afternoon. AAAS board member William W. Rubey will preside at part II of the AAAS general session, "Moving Frontiers of Science." One speaker, William O. Baker (Bell

Telephone Laboratories) has been announced; the other speaker will be Sydney Brenner (Medical Research Unit for Molecular Biology, Cambridge, England), who will speak on his researches on DNA.

28 December, afternoon. The third George Sarton Memorial Lecture, an AAAS special session supported by the George Sarton Memorial Foundation, will also be the vice-presidential address of the AAAS Section on History and Philosophy of Science. It will be given by Gerald Holton (professor of physics, Harvard, and editor of *Daedalus*). AAAS board member Mina S. Rees will preside.

28 December, evening. The address of the retiring president of the AAAS, Thomas Park (University of Chicago), will be on "Beetles, competition, and populations"; it will reflect his fundamental population studies with *Tribolium*.

29 December, evening. The annual joint address of the Society of the Sigma Xi and the United Chapters of Phi Beta Kappa will be given by Loren C. Eiseley (University of Pennsylvania). Bentley Glass of the AAAS Board of Directors will preside.

Sectional and Society Programs

Physics (B). Henry D. Smyth's address, following the physicists' luncheon (29 Dec.), will probably be on the program of the International Atomic Energy Agency. Section B will add a technical symposium (29 Dec.) in place of the symposium on the dynamics of planetary atmospheres, which has been elevated to the status of an interdisciplinary symposium.

The American Astronautical Society is planning a two-session program to be held at the Franklin Institute (27 Dec.). J. Gregg Stephenson (Airborne Instruments Laboratory, Melville, N.Y.) is in charge. The topic of the program will be "Scientific Satellites—Mission and Design." The morning session will probably be devoted to "mission objectives" and the afternoon session will probably be on satellite design.

Chemistry (C). The American Association of Clinical Chemists will hold two symposia, on newer applications of instrumentation to biological analysis and problems in the assessment of endocrine function. The first will cover electrophoresis, fluorescence, gas and hydrogen ion measurements, and vapor

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phase chromatography; the second will cover endocrines and space travel, parathyroids, the posterior pituitary, and adrenal medulla. There will be one or more sessions for short contributed papers.

Zoological Sciences (F). Some additional information on the large and complex meeting of the American Society of Zoologists with the AAAS has been received. Twenty-three sessions for contributed papers have been scheduled, on animal behavior and sociobiology, genetics and cytology, vertebrate morphology, comparative physiology, experimental biology, developmental biology, comparative endocrinology, and other subjects. There will be two symposium sessions on growth, arranged by Lawrence I. Gilbert (Northwestern), with papers and speakers as follows: "Control of growth in *Hydra*," Allison L. Burnett (Western Reserve); "Control of growth in Crustacea," Dorothy E. Bliss (American Museum of Natural History); "Growth and development in insects," Howard A. Schneiderman (Western Reserve); "Control of growth in amphibians," William Etkin (Albert Einstein College of Medicine); "Hormonal control of embryonic gonad growth," Dorothy Price (University of Chicago); "Growth hormone in mammals," Ernst Knobil (University of Pittsburgh School of Medicine); "Steroid hormone interactions and uterine growth," Richard A. Edgren (Wyeth Laboratories); "Hormonal factors in the growth of fishes," France Baker-Cohen (Albert Einstein College of Medicine); and "Local action of thyroid hormone in amphibia," Jane Coffer Kaltenbach (Mount Holyoke). Symposia on animal behavior, energy utilization, and invertebrate zoology are being planned or considered.

Biological Sciences (FG). The topics and speakers for the four sessions planned by the Biometric Society, Eastern North American Region, have now been selected. Papers to be given at the session on uses of high-speed computers in statistics, organized by T. A. Bancroft (Iowa State University), are as follows: "Solutions of statistical distribution problems by Monte Carlo methods," H. O. Hartley (Iowa State University); "Preparation of presumptive diagnosis by computers," Max A. Woodbury (New York University) and Martin Lipkin (Cornell); "Statistical aspects of electrocardiographic classification," Lee D. Cady and Max Wood-

bury (New York University); and "A critical review of computer uses in medical diagnosis," Murray Eden (Massachusetts Institute of Technology).

The session on sampling for zoologists, organized by E. Fred Schultz, Jr., U.S. Department of Agriculture), will include the following papers: "Problems in ecological sampling," Lester Lee Eberhardt (University of California); "Sampling in fisheries," D. S. Robson (Cornell); and, tentatively, "Game surveys," Earl L. Atwood (Walter Reed Medical Center). Douglas G. Chapman (University of Washington, Seattle) will be a discussant.

In the session on problems of mathematical biology, organized by H. L. Lucas (North Carolina State College), H. R. van der Vaart (North Carolina State College) will speak on teaching modern mathematics to biologists, and W. S. McCulloch (Massachusetts Institute of Technology) will speak on the reliability of biological systems.

The joint session with Sections U and G will have the following papers: "Stochastic models in genetics," S. Karlin (Stanford); "Stochastic theory of gene frequency distributions," Howard Levene (Columbia); and "Stochastic processes in evolution," Sewall Wright (University of Wisconsin).

Psychology (I). The section will sponsor a second symposium, on the psychological implications of increasing population. It will be arranged by a group from the Society for the Psychological Study of Social Issues.

History and Philosophy of Science (L). Although arrangements have not been completed for the Section L program, which is being arranged by N. Russell Hanson (Indiana University), sessions and speakers as follows are included in the tentative outline. A session on science manuscripts (chairman, Nathan Reingold, Library of Congress) will include a report on the American Institute of Physics' project on the history of recent physics in the United States, by W. James King (American Institute of Physics) and a paper entitled "The historical interest of the Faraday Papers," by Pearce Williams (Cornell). Speakers at the History of Technology session (chairman, Ralph Sanders, Industrial College of the Armed Forces) will be Gerald Johnson (Department of Defense), who will speak on the historical role of military research and development in atomic energy; and Richard Hewlett (Atomic Energy Commission), who

will speak on the first generation of electric power from atomic energy.

A second session on science manuscripts (chairman, Derek Price, Yale) will feature a paper by Martin Klein on the Ehrenfest Papers and one by Hunter Dupree (University of California) on the effect of the federal government on science from 1940 to 1960. Papers to be given at the History of Science Society session will probably include one on 20th century thermodynamics, by Erwin Hiebert (University of Wisconsin), and another by Loren Eiseley (University of Pennsylvania). A second History of Science Society session (chairman, Phillip George, University of Pennsylvania) may include a paper by Conway Zirkle (University of Pennsylvania) on history of science in the Philadelphia area and one by Bentley Glass (Johns Hopkins) entitled "A problem in the history of biology."

Tentatively scheduled to speak at the session on current research (chairman, Carl Boyer, City College of New York) is Willi Hartner (Harvard). He may discuss a problem in ancient astronomical calculation. David Hawkins (University of Colorado) may speak on historical aspects of contemporary biophysics. A second session on current research is also being planned, with Derek Price (Yale) to speak on "Further aspects of the Maxwell Papers."

Medical Sciences (N). Details of the four-session symposium on new concepts regarding biological control mechanisms are now available. It will be cosponsored by Section F—Zoological Sciences and arranged by De Witt Stetten, Jr., (National Institute of Arthritis and Metabolic Diseases) and Oscar Touster (Vanderbilt University School of Medicine), in collaboration with the chairmen of the individual sessions. The subjects of the four sessions, and the speakers, will be as follows:

Session 1, Repression mechanisms (Boris Magasanik, chairman): Bruce Ames (National Institutes of Health), Luigi Gorini (Harvard Medical School), and Hans Kornberg (University of Leicester, England).

Session 2, Feedback control of enzyme action (H. E. Umbarger, chairman): Georges Cohen (Centre National de la Recherche Scientifique, Gif-sur-Yvette, France), Harris S. Moyed (Harvard Medical School), and Arthur B. Pardee (Princeton).

Session 3, Hormonal phenomena (E. W. Sutherland, Jr., chairman): Oliver H. Lowry (Washington University), Theodore Rall (Western Reserve), and Gordon M. Tomkins (National Institutes of Health).

Session 4, Permeability phenomena (C. R. Park, chairman): Alexander Leaf (Massachusetts General Hospital), Paul Mueller or Donald Rudin (both of Eastern Pennsylvania State Psychiatric Institute).

Dentistry (Nd). The symposium on mechanisms of hard-tissue destruction, previously announced, has been expanded to four sessions (29 and 30 Dec.). It will be arranged by Ned B. Williams (School of Dentistry, University of Pennsylvania) and Reidar F. Sognaes (University of California Medical Center, Los Angeles) and co-sponsored by sections F—Zoological Sciences and N—Medical Sciences. It will include papers on rock boring by mollusks, coral boring by fungi, octopus “drilling” of abalone shell, exoskeletal destruction in gastropods, skeletal destruction in man, ultrastructure of osteoclasts, histochemistry of bone resorption, foreign-body giant cells and osteoclasts, experimental bone resorption, dentoalveolar hard-tissue destruction, microradiography of enamel caries, ultrastructure of caries, chemical interactions in caries, chemistry of dental erosion, and saprophytic destruction of bones and teeth.

Agriculture (O). The section program, to be arranged by George W. Irving, Jr., (Agricultural Research Service), will be on food quality as affected by production practices and processing. The first five sessions will cover genetic and environmental factors, protection during and after production, processing factors, and the evaluation and measurement of quality. These topics will refer to cereals, fruits, vegetables, meats, dairy products, poultry, and eggs. Two luncheon sessions will probably be added, at which the following four topics may be discussed: “The pharmacologist looks at food quality,” “The nutritionist looks at food quality,” “Food quality and federal regulatory programs,” and “Problems and goals in food grading and standardization.”

Information and Communication (T). Claire K. Schultz, president of the American Documentation Institute, will preside over the morning session, which will include the vice-presidential address of George Seielstad and invited

papers on information systems abroad. The speaker at the Section luncheon (27 Dec.) will be Derek J. de Solla Price (Yale); the title of his address is “A calculus of scientific information and manpower.”

Local Committees

Again this year the Association is fortunate in having leading citizens of ability and good will serving on the local committees.

The general chairman is Henderson Supplee, Jr., president of The Atlantic Refining Company.

The chairman of the Committee on Exhibits is John C. Haas, executive vice president, Rohm and Haas Company. Other members are Karl H. Beyer, Jr., (vice president in charge of life sciences, Merck Sharp and Dohme Research Laboratories); David B. Coghlan (assistant to the director of research and development, Foote Mineral Company); E. M. Kipp (manager of basic research, Research and Development Department, Sun Oil Company); F. Haydn Morgan (director of project research and grants, University of Pennsylvania); William P. Ratchford (assistant director, U.S. Agricultural Research Service, Eastern Utilization Research and Development Division); James Robins (director of research, Drexel Institute of Technology); Robert S. Rose (manager of administrative and technical services section, Chemical Research Department, Atlas Chemical Industries, Inc.); George H. Schneller (director of project coordination, Wyeth Laboratories); Leo Steg (manager, Space Sciences Laboratory, General Electric Company); I. Melville Stein (president, Leeds and Northrup Company); Irven Travis (vice president for research, Burroughs Corporation); and Darrell J. Butterbaugh (assistant director of research, Rohm and Haas Company) (secretary).

The Committee on Public Information is headed by Harry A. Batten, chairman of the board of N. W. Ayer and Son, Inc.

David R. Goddard, provost of the University of Pennsylvania, is chairman of the Committee on Physical Arrangements. The secretary of that committee is Edward F. Lane, assistant to the vice president for development and public relations, University of Pennsylvania. The committees on public

information and on physical arrangements, as well as those on finance and women's events, will be completed shortly.

Housing

The downtown hotels for the AAAS meeting, and one motor inn, have established special low flat rates for most of their rooms for AAAS members and others attending the meeting. Thus, everyone who makes room reservations through the Housing Bureau can be assured of substantial savings and, if he acts promptly, can be sure of accommodations in the hotel of his first choice. There are plenty of rooms available, but not everyone can be housed in the Sheraton or Bellevue Stratford, where most of the sessions will be held.

AAAS Headquarters

The 22-story, 1000-room Sheraton, at Penn Boulevard and 17th Street, will be AAAS headquarters. It will be the site of the Association's business sessions, Pressroom, and AAAS Office. The Annual Exposition of Science and Industry and the AAAS Science Theatre will be housed in Sheraton Hall, while the special sessions and most of the general events will be held in the large ballroom.

In general, the zoological societies and other biological and medical groups will have their sessions in this hotel. The botanists, chemists, and psychologists will have their headquarters at the Warwick (Locust and 17th Streets). The Bellevue Stratford (Broad and Walnut Streets), will be the headquarters for mathematicians and statisticians, geologists and geographers, anthropologists and members of other social and economic science groups, members of the history and philosophy of science groups, and all education and science teaching societies.

In reserve, for sleeping accommodations only, are such nearby hotels as the Robert Morris, half a block north of the Sheraton; the Sylvania, across Broad Street from the Bellevue Stratford; and the Adelpia and Benjamin Franklin, both on Walnut Street a few blocks east of the Bellevue. The Franklin Motor Inn, across the Parkway from the Franklin Institute, will be especially convenient for physicists and members

of the American Rocket Society and American Astronautical Society, whose sessions will be held there.

A detailed list of the headquarters of each section and society appears later in this report.

Beginning with this issue, the advertising pages of *Science* will carry, at frequent intervals, announcements of hotel accommodations and rates, together with a coupon to be filled out and sent, *not* to any hotel directly, but to the AAAS Housing Bureau in Philadelphia. The coupon or other evidence that one is attending the AAAS meeting is necessary to secure the special flat rate.

All applications for hotel rooms will be filled in the order of receipt. Those who apply early are assured of accommodations in the hotel of their first choice. Expenses can be reduced if two people share a room, or if three or more people share a suite. Upon request, all hotels will place comfortable rollaway beds in rooms or suites, at a cost of \$3 per night.

Registration

Both the technical, or program, sessions and the special sessions are open to all interested persons. Although registration for these sessions is not mandatory, undoubtedly all who attend will wish to pay the AAAS registration fee of \$3 and thus contribute their proportionate share toward the heavy expenses of the meeting. (The registration fee for the husband or wife of a registrant, if a second *General Program* is not required, is \$1.)

Each registrant receives the *General Program*, convention literature, a listing in the Visible Directory of Registrants, and a convention badge; the latter assures him all privileges of the meeting. The badge is required for admission to the large-scale exhibits and the AAAS Science Theatre.

In general, since the exhibits and films are at professional and adult levels, the Exposition is open only to registrants. Children under 16 are neither registered nor admitted (except in special instances, and then a parent or other adult must agree to accompany the child throughout).

Advance registration (\$3.50, since postage is included) has some decided advantages: delay at the registration desk upon arrival is eliminated; the advance registrant can determine at his leisure which events and sessions he

particularly wishes to attend, since the *General Program* is sent out by first-class mail early in December; and the registrant's name is posted in the Visible Directory of Registrants as the meeting opens (the hotel room may be added later, by the registrant himself).

An announcement on advance registration, with a coupon, will also be found in the advertising pages of this issue, and in later issues.

A detailed list of the headquarters for the various sections and participating organizations follows.

Hotel Headquarters in Detail

AAAS sections are listed alphabetically, and societies are listed alphabetically within each discipline.)

Sheraton (1000 rooms), 1725 Pennsylvania Boulevard.

AAAS; AAAS Office; AAAS Press-room.

AAAS Main Registration-Information Center; Visible Directory of Registrants; AAAS Annual Exposition of Science and Industry; AAAS Science Theatre.

AAAS Business Sessions (Board of Directors, Council, Section Officers), General Events, and Special Sessions.

AAAS Committee on Desert and Arid Zones Research; AAAS Committee on Meetings; AAAS Committee on Science in the Promotion of Human Welfare.

AAAS Sections B-Physics, D-Astronomy, F-Zoological Sciences, N-Medical Sciences, Nd-Dentistry, P-Industrial Science, and T-Information and Communication.

(B) American Astronautical Society, American Meteorological Society, American Rocket Society, Sigma Pi Sigma.

(C) American Association of Clinical Chemists.

(D) Astronomical League.

(E) National Geographic Society, National Speleological Society.

(F) American Society of Zoologists, Herpetologists' League, Society of Systematic Zoology.

(FG) American Society of Eugenics, American Society of Naturalists, Biomedical Information-Processing Organization, Ecological Society of America, Mountain Lake Biological Station, Nature Conservancy, Society for the Study of Evolution.

(M) Tau Beta Pi Association.

(N) Academy of Psychoanalysis, Alpha Epsilon Delta, American Physiological Society.

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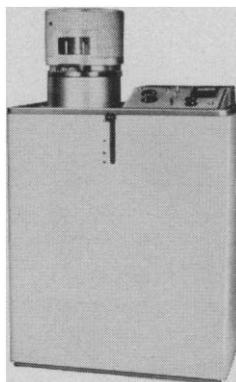
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Cincinnati Division



(Nd) American College of Dentists; American Dental Association; International Association for Dental Research, North American Division.

(T) National Association of Science Writers.

(X) American Geophysical Union, Scientific Research Society of America, Sigma Delta Epsilon, Society of the Sigma Xi, United Chapters of Phi Beta Kappa.

Bellevue Stratford (750 rooms), Broad and Walnut Streets.

AAAS Cooperative Committee on the Teaching of Science and Mathematics.

AAAS Sections A-Mathematics, E-Geology and Geography, H-Anthropology, K-Social and Economic Sciences, L-History and Philosophy of Science, M-Engineering, Np-Pharmaceutical Sciences, O-Agriculture, Q-Education, and U-Statistics.

(A) Association for Computing Machinery, Committee on the Undergraduate Program in Mathematics of the Mathematical Association of America, Society for Industrial and Applied Mathematics.

(E) Association of American Geographers, Middle Atlantic Division; Geological Society of America.

(K) American Economic Association, American Political Science Association, American Society of Criminology, American Sociological Association, Institute of Management Sciences, Metric Association, National Institute of Social Behavioral Science, Population Association of America.

(L) Conference on Science Manuscripts, History of Science Society, Philosophy of Science Association, Society for General Systems Research, Society for the History of Technology.

(N) American Psychiatric Association.

(Np) American Association of Colleges of Pharmacy; American College of Apothecaries; American Pharmaceutical Association, Scientific Section; American Society of Hospital Pharmacists; National Association of Boards of Pharmacy.

(P) Institute of Management Sciences.

(Q) American Educational Research Association, American Nature Study Society, Council for Exceptional Children, National Association of Biology Teachers, National Association for Research in Science Teaching, National Science Teachers Association, Science Service.

(U) American Statistical Association.

tion; Biometric Society, Eastern North American Region.

(X) Academy Conference, Conference on Scientific Manpower, National Academy of Sciences-National Research Council, National Science Foundation, Scientific Manpower Commission.

Warwick (900 rooms), Locust and 17th Streets.

AAAS Sections C-Chemistry, G-Botanical Sciences, and I-Psychology.

(C) American Chemical Society, Delaware Valley Sections.

(G) Botanical Society of America, Philadelphia Botanical Club.

(I) Society for Research in Child Development.

The following hotels provide additional convenient sleeping accommodations.

Robert Morris (200 rooms), 17th and Arch Streets.

Franklin Motor Inn (300 units).

Sylvania (400 rooms), Locust Street near Broad Street.

Adelphia (400 rooms), 13th and Chestnut Streets.

Benjamin Franklin (1200 rooms), 9th and Chestnut Streets.

Guests in these hotels should register for the AAAS meeting at the Sheraton or Bellevue Stratford.

Meetings

Forthcoming Events

September

1-3. Astronomical League, Albuquerque, N.M. (H. C. Sehested, 3223 Westcliff Rd. W., Fort Worth, Tex.)

1-7. Wilderness Soc., Mt. McKinley Natl. Park, Alaska. (H. Zahniser, 2144 P St., NW, Washington 7)

2-5. Neuropsychopharmacology, intern. congr., Munich, Germany. (P. Deniker, c/o Hôpital Sainte-Anne, 1 rue Cabanis, Paris 14^e, France)

2-7. AAAS Laurentian Hormone Conf., Quebec, Canada. (G. Pincus, 222 Maple Ave., Shrewsbury, Mass.)

2-7. Information Theory, intern. symp., Brussels, Belgium. (M. Selleslags, Université Libre, 50 Avenue Franklin D. Roosevelt, Brussels)

2-8. Brain Edema, symp., Vienna, Austria. (P. Bailey, c/o NINDB, Institut Bunge, Berchem-Antwerp, Belgium)

2-9. Prophylactic Medicine and Social Hygiene, intern. congr., Bad Aussee, Austria. (E. Berghoff, Piaristengasse 41, Vienna VIII, Austria)

3-5. Psychometric Soc., St. Louis Mo. (W. G. Mollenkopf, Procter & Gamble Co., P.O. Box 599, Cincinnati 1, Ohio)

3-6. Alpine Meteorology, intern. congr., Sauze d'Ouix-Sestriere, Italy. (M. Bos-solasco, Società Italiana di Geofisica e

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