Meetings and Societies

Preliminary Announcement of Indianapolis Meeting and Call for Papers by AAAS Sections

The annual meeting of the American Association for the Advancement of Science for the year 1957, 26–31 Dec., will be the 124th national meeting. It will be the association's first meeting in the Midwest in 5 years and a return to Indianapolis, for the fourth time, after an interval of 20 years. Among those present will be a sizable number who can recall the successful AAAS meeting of 1937 and a whole generation of younger research scientists, teachers, and other science-minded professional men and women.

The fundamental, original purpose of the association when it was founded in September 1848, was "... by periodical and migratory meetings to promote [exchange of ideas among] those who are cultivating science." The annual meeting is still a major activity of the AAAS. With some 53,000 members and 271 affiliated scientific organizations, the association more than ever is prepared to consider matters of concern to all scientists and to society. The sessions of the 18 sections, which embrace all principal fields of science, and of the participating societies both meet the interests of specialists and provide unique opportunities for interdisciplinary programs. In recent years the association has also increasingly recognized its responsibility to inform the general public on developments in science and its obligation to assist in the encouragement of qualified young people to prepare for and enter careers in science, engineering, and education. The programs this year will reflect these objectives.

Center of the meeting will be the attractive and well-equipped Murat Temple which, with its capacious theater and three levels, will accommodate the larger sessions, the Annual Exposition of Science and Industry, the AAAS Main Registration-Information Center, AAAS Office, and the AAAS Science Theatre. The Temple will be the site of the AAAS Smoker for all registrants on the evening

of 29 Dec. The Turners Athenaeum, immediately across the street, will provide additional session rooms. Although the Murat Temple and the Athenaeum are within walking distance of all downtown hotels, there will also be special AAAS buses which will operate at frequent intervals between the Temple and the hotels. These will make it possible for everyone to visit the large-scale exhibits of the latest in the tools and materials scientists use and many of the technical accomplishments of large industries.

Among the downtown hotels, which have guaranteed a minimum of 2500 rooms for the AAAS, the remodeled Claypool will serve as AAAS headquarters. The Antlers has been assigned to the four science teaching societies, and the Marott to the American Astronomical Society. Other hotel headquarters assignments in the Sheraton-Lincoln, Continental, Severin, Warren, and Washington will be announced in July, at which time the advertising pages of this journal will begin to carry housing reservation and advance registration coupons. As usual, advance registrants will receive the book-size General Program-Directory early in December by first-class mail.

Local committees. No AAAS meeting could succeed without the interest and substantial assistance of local members and friends of the association. General chairman of the fourth Indianapolis Meeting is Adam H. Fiske, vice president, Eli Lilly and Company, and he has appointed the following as chairmen of their respective committees: Advisory, H. T. Pritchard, president, Indianapolis Power and Light Company; Exhibits, Edward B. Newill, president, Allison Division, General Motors Corporation; Finance, Joseph E. Cain, president, P. R. Mallory Company; Housing, William A. Atkins, president, Severin Hotel Company; Physical Arrangements, Newton G. Sprague, science and mathematics consultant, Indianapolis Public Schools; Public Relations, James W. Carr, Sr., executive secretary, Riley Memorial Association. An Honorary Reception Committee will also be formed.

Programs. Among the evening events

will be the AAAS Presidential Address and Reception, 28 Dec. President Laurence H. Snyder will preside and Paul B. Sears will give his address as retiring president. The combined Sigma Xi-RESA address and the annual address of the United Chapters of Phi Beta Kappa are planned for 27 Dec., and the annual lecture and film of the National Geographic Society is scheduled for 29 Dec., preceding the AAAS Smoker.

The evening of 26 Dec. and the afternoon of 27 Dec. have been reserved for the two sessions of the AAAS General Symposium, "Moving frontiers of science II: Concepts that mold our lives," organized by the Committee on AAAS Meetings. Three eminent speakers, three panelists, a moderator, and a summarizer, all of whom will have met together well in advance, will discuss relativity, organic evolution, and the individuality of man. Because of the general interest of this program, all AAAS sections and most of the participating societies have scheduled no sessions concurrent with it.

The 11th annual Junior Scientists Assembly, sponsored by the association's Academy Conference and cosponsored by the AAAS as a whole—a full afternoon program for high-school students interested in careers in science—will be arranged by a committee, of which Richard Armacost, department of biology, Purdue University, is chairman. The Academy Conference, composed of representatives of the 41 academies of science affiliated with the AAAS, this year will be concerned in large part with ways and means to assist the junior academies.

The sixth Conference on Scientific Editorial Problems will consider various aspects of communications and technical writing and editing. This year's program committee is headed by George L. Seielstad, Applied Physics Laboratory, Johns Hopkins, Silver Spring, Md. The recurrent Conference on Scientific Manpower, this year with two sessions described later, again will be arranged by a committee with Thomas J. Mills, National Science Foundation, as chairman. As the following synopsis of programs indicates, there will be interesting and important programs in all principal fields of science. The names given within parentheses are section officers or program chair-

Mathematics (A)

Section A (C. C. MacDuffee, University of Wisconsin) will sponsor an important symposium on the teaching of mathematics, to be arranged by John R. Mayor, director, AAAS Science Teaching Improvement Program. It will be cosponsored by the association as a whole and by the AAAS Cooperative Committee on the Teaching of Science and

Mathematics. A session for invited and contributed papers on the mathematics of guided missiles is scheduled for 28 Dec. and the vice-presidential address will be given by Mina Rees, Hunter College.

The recently affiliated Association for Computing Machinery (James E. Robertson, Digital Computer Laboratory, University of Illinois), will hold one of its two annual national meetings with the AAAS in Indianapolis.

Physics (B)

Section B (J. Howard McMillen, National Science Foundation) has scheduled a three-session symposium, "Spectroscopy," of 13 papers, arranged by K. W. Meissner, Purdue University, covering experimental, theoretical, and applied aspects of the subject. Part I, Friday morning, 27 Dec., will be devoted to wavelength standards, vacuum ultraviolet spectroscopy, and isotope shift. The second session on Saturday morning will deal with the spectra of lanthanides and actinides and with Lamb shift. Two papers to be given in the afternoon session of Saturday concern the theory of atomic spectra and the theory of spectra of diatomic molecules. Two other papers will be devoted to applications of spectroscopy. The speakers will be: V. A. Fassel and W. A. Gordon, Iowa State College; Mark Fred, Argonne National Laboratory; Gerhard Herzberg, National Research Council of Canada, Ottawa; Julian E. Mack, University of Wisconsin; J. Rand McNally, Jr., Oak Ridge National Laboratory; William F. Meggers, National Bureau of Standards; K. W. Meissner, Purdue University; R. S. Mulliken, University of Chicago; F. Rohrlich, State University of Iowa; Charlotte M. Sitterly, National Bureau of Standards; Frank S. Tomkins, Argonne National Laboratory; R. Tousey, U.S. Naval Research Laboratory; and P. G. Wilkinson, University of Chicago. Special talks on neutrino physics,

Special talks on neutrino physics, solid-state physics, and high-temperature plasma will also be given.

The physicists' dinner, 27 Dec., will be joint with Sigma Pi Sigma (James M. Kortwright, Purdue University) and will be followed by the vice-presidential address of Section B given by William F. Meggers, with Raymond T. Birge, University of California, presiding.

The American Meteorological Society (Kenneth Spengler, AMS, Boston) will cosponsor appropriate sessions.

Chemistry (C)

The program of $Section\ C$ (F. E. Cislak, Reilly Tar & Chemical Corporation, Indianapolis) will consist of a two-session symposium on acetylene chemistry, another two-session symposium on

pyridine chemistry, a series of sessions for contributed papers, and a vice-presidential address by Cislak.

Alpha Chi Sigma (R. L. Hicks, Broad Ripple High School, Indianapolis) will have a dinner meeting and address for all chemists.

Astronomy (D)

The American Astronomical Society (J. Allen Hynek, Smithsonian Astrophysical Observatory, Cambridge, Mass.) has scheduled its 99th national meeting with the AAAS, 27-30 Dec. The J. I. Holcomb Observatory and Planetarium of Butler University (Harry E. Crull, director) is cooperating. Features of the program will be the Helen Warner prize lecture, a symposium, "Distribution and evolution of intrinsically variable stars," and the annual dinner at which the vicepresidential address of Section D will be given by Peter van de Kamp, Swarthmore College, with Chester B. Watts, U.S. Naval Observatory, presiding. With the AAS providing a full program of sessions for contributed papers and other events, Section D's program will be restricted to cosponsorship of the AAS program and the retiring vice-presidential address.

The Astronomical League (Grace C. Scholz, Mason Hall Apartments, Alexandria, Va.) will have a half-day session.

Geology and Geography (E)

The program of Section E (Frank C. Whitmore, Jr., and Louis L. Ray, U.S. Geological Survey, Washington, D.C.) includes a symposium on the history of geology cosponsored by Section L; a symposium on karst phenomena, arranged by William E. Davies, U.S. Geological Survey, Washington, D.C., jointly with the National Speleological Society; a two-session symposium on the stratigraphy and structural geology of the Michigan and Illinois basins area; a four-session symposium, "Continental glaciation and its geographic importance as an environmental factor" with special emphasis on the midwestern states; and sessions for contributed papers in both geology and geography, these last jointly with the Association of American Geographers (Louis L. Ray, U.S. Geological Survey, Washington, D.C.), which will also cosponsor the glaciation symposium. As usual, the Geological Society of America will cosponsor all geologic sessions including the Section E Smoker at which the retiring vice-presidential address of Paul F. Kerr, Columbia University, will be given, with Robert R. Shrock, MIT, presiding.

The National Speleological Society (Thomas C. Barr, Jr., 1100 Clifton Lane, Nashville, Tenn.), in addition to cosponsoring Section E's karst sympos-

ium, will have a session for papers and a symposium, "Caves and cave fauna of the Ohio River valley" on 28 Dec. The National Geographic Society will have its customary outstanding lecture and accompanying film on the evening of 29 Dec.

Zoological Sciences (F)

Section F (Harold H. Plough, Amherst College) will have sessions for contributed papers and demonstrations in several fields of zoology, cosponsored, it is anticipated, by appropriate societies; a symposium, "Recent advances in the understanding of pituitary function," arranged by W. R. Breneman, Indiana University; a two-session symposium, "Some unsolved problems in biology II," jointly with Section G; another symposium, "The geographic distribution of contemporary organisms"; a business meeting; and a dinner for all zoologists, jointly with the Society of Systematic Zoology, at which E. Raymond Hall, University of Kansas, will give the vicepresidential address of Section F. A symposium on radiation biology, sponsored by the Argonne National Laboratory (Austin M. Brues), is planned.

The national meeting of the Society of Systematic Zoology (R. E. Blackwelder, St. John Fisher College, Rochester, N. Y.) will follow the pattern of former meetings, with sessions for contributed papers and demonstrations, one or more panels or symposia, evening lectures, a tea, and a business meeting. A feature will be the annual SSZ Library and Lounge for all zoologists.

Biological Sciences (FG)

Beta Beta Beta Honorary Biological Society (Mrs. Frank G. Brooks, Box 336, Madison Square Station, New York 10, N.Y.) will hold its regular biennial meeting with the AAAS. The program—a business meeting, luncheon, and address—will be on 27 Dec. The Ecological Society of America (Stanley A. Cain, University of Michigan) will have its usual regional meeting with the association and plans three or more sessions for contributed papers and cosponsorship of appropriate symposia.

The annual national meeting of the National Association of Biology Teachers (Irene Hollenbeck, Southern Oregon College of Education) will begin with business meetings 26 Dec. It will include a separate session on "Outdoor biology" and a luncheon on 27 Dec., a joint meeting with the ANSS, NARST, and NSTA, and a session on "Methods and techniques: problem-solving in biology" on 28 Dec., with J. Darrell Barnard, New York University, the keynote speaker. A field trip with the American Nature Study Society, 29 Dec., will conclude

their meeting. It is expected that the American Society of Naturalists (Bruce Wallace, Cold Spring Harbor, N.Y.) will either arrange a symposium or cosponsor one in the F, FG, or G series.

Botanical Sciences (G)

In addition to "Some unsolved problems in biology II," jointly with Section F, Section G (Barry Commoner, Washington University) will have sessions for contributed papers in the principal fields of botany, cosponsored probably by the American Society of Plant Physiologists, the Ecological Society of America, and others. Other symposia are planned, and, following the annual botanists' dinner, the vice-presidential address of Section G will be given by Harry J. Fuller, University of Illinois.

Anthropology (H)

The plans of Section H (Gabriel W. Lasker, School of Medicine, Wayne State University) are yet to be announced but probably will include one or more symposia and the vice-presidential address of William L. Straus, Jr., of Johns Hopkins University.

Psychology (I)

Section I (Clifford T. Morgan, Town Point, Cambridge, Md.) will have six sessions of invited papers covering the principal areas of research activity in psychology. The vice-presidential address will be given by Neal Miller of Yale University.

The Society for Research in Child Development (Dale B. Harris, Institute of Child Welfare, University of Minnesota) is planning a regional meeting.

Social and Economic Sciences (K)

Section K and the National Academy of Economics and Political Science (Donald P. Ray, George Washington University) will jointly sponsor a symposium of general interest, "The social aspects of urban agglomeration." The three papers of this session, cosponsored by the American Economic Association, will deal with metropolitan expansion and public administration, the economic implications of urban growth, and statistical programming for problems of urban agglomeration—this last the vicepresidential address of Stuart A. Rice. Pi Gamma Mu, the national honorary society in the social sciences, it is anticipated, will have a dinner for the speakers. In addition, for the first time in many years, Section K will open sessions for contributed papers in the social and economic sciences.

The American Sociological Society (Raymond V. Bowers, Air Research and Development Command, and Conrad Taeuber, Bureau of the Census) plans a special meeting with the AAAS, and the American Political Science Association (Evron M. Kirkpatrick, APSA, Washington, D.C.) is considering a special program jointly with Section K.

The Society for the Advancement of Criminology (Donal E. J. MacNamara, New York Institute of Criminology) will have a four-session symposium, "Advances in scientific criminology," two luncheons with speakers, and an evening seminar on crime and police problems.

The American Statistical Association (Virgil L. Anderson, Statistical Laboratory, Purdue University) is planning a regional meeting, and the Metric Association (J. T. Johnson, Claremont, Calif.) may have a joint program with Section C or Np.

History and Philosophy of Science (L)

The program of Section L (C. Doris Hellman, c/o Pepper, 1065 Lexington Ave., New York 21, N.Y.) will include a symposium, "Man's changing view of his place in nature," a session for contributed papers, and a business meeting, all on 29 Dec. The Philosophy of Science Association (C. West Churchman, Case Institute of Technology) is planning several sessions, and the Society for General Systems Research (Richard L. Meier, 1137 E. Ann St., Ann Arbor, Mich.) will hold its annual meeting with the AAAS. One session will be "Organization—for humans, cells, and artifacts."

Engineering (M)

Section M will have a symposium of several sessions (Irving P. Orens, Newark College of Engineering) on "Measuring man's environment: the physical effects on man of light, temperature, sound, and air," cosponsored by the American Industrial Hygiene Association and others. The Engineering Manpower Commission will cosponsor the sessions of the Conference on Scientific Manpower.

Medical Sciences (N)

As in previous years, Section N will have a four-session symposium, the participants of which come from all parts of the continent. This symposium, cosponsored by the Society for Investigative Dermatology and the American Medical Association Committee on Cosmetics, is scheduled for 28 and 29 Dec. This year's subject, "The human integument: normal and abnormal" (Veronica L. Conley, AMA, Chicago) will include papers on the biochemistry and physiology of the normal skin, pathological conditions such as melanosis, and the therapeutic principles involved in correcting abnormalities; included will be the vice-presidential address of William B. Bean, and the announcements of the 13th Theobald Smith award, given by Eli Lilly and Company, the third AAAS-Anne Frankel Rosenthal Memorial Award in Cancer Research, and the second AAAS-Ida B. Gould Memorial Award for Research on Cardiovascular Problems. Section N will cosponsor a variety of appropriate programs.

Alpha Epsilon Delta (Maurice L. Moore, national secretary) will have its customary morning session—this year on the coordination and integration of undergraduate and professional education in the health sciences—the annual luncheon with a speaker of prominence, and a tour of the facilities of the Indiana University Medical Center.

The American Psychiatric Association (Milton Greenblatt, Massachusetts Mental Health Center, Boston) will have a multisession symposium on the social aspects of tranquilizing drugs. Details of the special programs of the American Association of Hospital Consultants (Jacque B. Norman, Greenville, S.C.) and the American Physiological Society (Fred A. Hitchcock, Ohio State University) are not yet available.

Dentistry (Nd)

The two-day program of Section Nd (Maynard K. Hine and Joseph C. Muhler, School of Dentistry, Indiana University, Indianapolis), 27 and 28 Dec., will be centered at the Indiana University Medical Center. A three-session symposium, "The pharmacology and toxicology of fluorine," will deal with the effects of fluoride on the body excluding dental caries, with particular reference to cardiovascular diseases, kidney diseases, mortality and morbidity rates, effect on enzymes, effects of fluoride retention within the body, and a comparison between fluorides provided from natural and artificial sources. One or more sessions for contributed papers on fluoride will probably be opened, and group luncheons are planned. The entire program of the section will be cosponsored by the American College of Dentists, the American Dental Association, and the International Association for Dental Research, North American Division.

Pharmacy (Np)

The four-day program of Section Np (John E. Christian, School of Pharmacy, Purdue University) begins 27 Dec. with a morning session for contributed papers and continues with symposia, "The latest developments in the tranquilizer field—pharmacological, chemical, and clinical" and "Recent trends in new medication." Other sessions, for contributed papers, will include those of the American Society of Hospital Pharmacists (George E. Archambault, Pharmacy

Branch, USPHS, Washington, D.C., in collaboration with Joseph Oddis, American Hospital Association, Chicago). There will be a pharmacists' dinner, a vice-presidential address by Robert C. Anderson, Eli Lilly and Company, and a social hour, 28 Dec. After the session for contributed papers on 30 Dec., a half-day tour of the Eli Lilly laboratories is planned. Section Np's entire program will be cosponsored by the American Association of Colleges of Pharmacy, the American College of Apothecaries, the American Pharmaceutical Association, Scientific Section, and the American Society of Hospital Pharmacists.

Agriculture (O)

Section O (L. P. Reitz, Plant Industry Station, Beltsville, Md.) will have a four-session symposium on the biological and chemical control of plant and animal pests, 28–29 Dec., followed by two or more sessions for volunteer papers restricted to the same subject.

Industrial Science (P)

Section P (Frank C. Croxton, Battelle Memorial Institute) will have its second Industrial Citation Dinner on 26 Dec., a symposium of interest to leaders in industry the morning of 27 Dec., followed by a luncheon at which the retiring vice-presidential address of Monroe E. Spaght, Shell Oil Company, New York, will be given.

Education (Q)

The program of Section Q (Herbert A. Smith, University of Kansas) includes two sessions joint with the International Council for Exceptional Children, 26 Dec.; two sessions joint with the American Educational Research Association, 30 Dec.; four sessions for contributed papers, 28–30 Dec.; a business meeting, 29 Dec., with the vice-presidential address of Arthur E. Traxler, Educational Records Bureau, New York, preceding it. The AAAS Cooperative Committee on the Teaching of Science and Mathematics (Bernard B. Watson, 2806 Blaine Drive, Chevy Chase, Md.) will cosponsor Section A's symposium on the teaching of mathematics.

The four science teaching societies meeting with the AAAS (coordinator, Paul Klinge, Thomas Carr Howe High School, Indianapolis) will have a joint mixer the evening of 27 Dec. The joint session the morning of 28 Dec. will complement the preceding AAAS General Symposium, "Concepts that mold our lives." The speakers and panel members will cover relativity, organic evolution, and the individuality of man with special reference to the implications for teachers and those whom they teach.

The separate portions of the program of the regional meeting of the National

Science Teachers Association (Richard W. Schulz, Emmerich Manual Training High School, Indianapolis, and Robert H. Carleton, NSTA, Washington, D.C.) consists of a meeting of the executive committee, a session and industrial field trips on 27 Dec., and three other sessions on 28 and 29 Dec. The National Association for Research in Science Teaching (George G. Mallinson, Western Michigan University) will have a two-session symposium, "Recent research in science education," on 27 Dec.

Science in General (X)

The annual Academy Conference (Father P. H. Yancey, Spring Hill College, Mobile, Ala.), composed of delegates and other members of the 41 academies affiliated with the association, will hold a day of sessions, 28 Dec., concluding with the annual dinner and presidential address by Mrs. B. G. Heatwole. Staunton, Va. Of particular concern this year will be a consideration of the proposals of the conference on junior academies held in Chicago, 15-16 Feb. The Academy Conference will sponsor the 11th annual Junior Scientists Assembly (Richard R. Armacost, Purdue University) the afternoon of 28 Dec.

The American Geophysical Union (Edward M. Brooks, Saint Louis University) is planning a regional meeting and will cosponsor appropriate programs.

The program of the annual national meeting of the American Nature Study Society (Richard L. Weaver, University of Michigan) begins with a board meeting 26 Dec. and includes, besides joint sessions with the science teaching societies, general sessions the morning of 27 Dec. and afternoon of 28 Dec. The annual dinner is 28 Dec., the annual showing of kodachromes, the evening of 29 Dec., following the joint field trip with the National Association of Biology Teachers.

The Association of Technical Writers and Editors (Richard Frehsee, International Business Machines Corporation, Endicott, N.Y.) may have sessions of its own in addition to participating in the program of the Conference on Scientific Editorial Problems mentioned earlier.

The recurrent Conference on Scientific Manpower (Thomas J. Mills, National Science Foundation) is planning two sessions of invited papers on "The status of scientists in a changing economy" and "Current scientific manpower developments at home and abroad," 30 Dec. As in previous years, this program will be cosponsored by the Engineering Manpower Commission, the Scientific Manpower Commission, the National Academy of Sciences—National Research Council, and the National Science Foundation.

The National Foundation for Junior Museums (John Ripley Forbes, NFJM, New York) is planning one or more sessions on the work of the foundation.

The national meeting of Sigma Delta Epsilon, graduate women's science fraternity (Mrs. Helen Bolton Parker, Malvern, Pa.) begins with a business meeting on 26 Dec. and includes the annual dinner and grand chapter meeting on 27 Dec., and a luncheon for all women in science on 28 Dec. A headquarters room will be maintained throughout the meeting period.

The annual joint address of the Society of the Sigma Xi (Thomas T. Holme, Yale University) and the Scientific Research Society of America (Donald B. Prentice, Yale University) and award of the William Procter prize is scheduled for the evening of 27 Dec., following the 58th annual convention of Sigma Xi, the annual convention of RESA, and their joint luncheon on that day.

The 18th annual lecture of the *United Chapters of Phi Beta Kappa* (Carl Billman, Phi Beta Kappa, Washington, D.C.) is scheduled for the evening of 27 Dec.

Call for Papers by AAAS Sections

Eleven sections of the association will arrange sessions for contributed papers at the Indianapolis meeting. In three instances, as will be noted, Sections A, Nd, and O, the papers to be considered are restricted to the subjects stated. The secretaries or program chairmen to whom titles and abstracts should be sent, not later than 30 Sept. 1957, follow:

- A-Mathematics. Mathematics of guided missiles. Dr. C. C. MacDuffee, Department of Mathematics, University of Wisconsin, Madison, Wis.
- C-CHEMISTRY. Dr. F. E. Cislak, Reilly Tar & Chemical Corp., 11 S. Meridian St., Indianapolis 4, Ind.
- E-Geology and Geography. Geology:
 Dr. Frank C. Whitmore, Jr., U.S. Geological Survey, Washington 25, D.C.
 Geography: Dr. Louis L. Ray, U.S.
 Geological Survey, Washington 25, D.C.
- F-ZOOLOGICAL SCIENCES. Dr. H. H. Plough, Biology Department, Amherst College, Amherst, Mass.
- G-BOTANICAL SCIENCES. Dr. Barry Commoner, Henry Shaw School of Botany, Washington University, St. Louis 5, Mo.
- K-Social and Economic Sciences. Dr. Donald P. Ray, Hall of Government, George Washington University, Washington 6, D.C.
- L-HISTORY AND PHILOSOPHY OF SCI-ENCE. Dr. C. Doris Hellman, c/o Mrs. Morton Pepper, 1065 Lexington Ave., New York 21, N.Y.

- ND-DENTISTRY. Fluoride. Dr. Maynard K. Hine, School of Dentistry, Indiana University, 1121 W. Michigan St., Indianapolis 2, Ind.
- NP-PHARMAGY. Dr. John E. Christian, School of Pharmacy, Purdue University, Lafayette, Ind.
- O-AGRICULTURE. Biological and chemical control of plant and animal pests. Dr. Louis P. Reitz, Cereal Crops Section, Agricultural Research Service, USDA, Plant Industry Station, Beltsville, Md.
- Q-Education. Dr. Herbert A. Smith, 205 Bailey, School of Education, University of Kansas, Lawrence, Kan.

Although the deadline is 30 Sept., most sections, and subsequently the AAAS office, would be glad to receive titles in advance of this date.

RAYMOND L. TAYLOR Associate Administrative Secretary

International Conference on Peaceful Uses of Atomic Energy

The seven-member Advisory Committee on the Peaceful Uses of Atomic Energy, which convened on 6 May under the chairmanship of the Secretary-General of the United Nations, finished its session on 8 May. The principal task of the committee at this session was to advise the Secretary-General upon the date, place, organization and program of the second International Scientific Conference on the Peaceful Uses of Atomic Energy.

It has been decided that the second conference will be held in Geneva, 1–13 Sept. 1958. In reaching this conclusion, consideration was given to invitations for the conference which had been received on behalf of the cities of Chicago and Amsterdam, as well as an invitation from the Swiss Federal Council on behalf of Geneva.

The committee has formulated a topical agenda of wide scope for the 1958 conference and has also decided that the procedure for its organization will be similar to that of the 1955 conference. Any exhibitions under the aegis of the 1958 conference should be provided by participating governments only. They should be devoted to the scientific subjects dealt with at the conference. The matter will be considered further at a later meeting of the committee.

Religion and Science

The 1957 Conference on Religion in the Age of Science is scheduled for the week of 27 July–3 Aug. on Star Island, Isles of Shoals, off Portsmouth, N.H. At this fourth annual gathering of scholars and professional people in both sci-

ence and religion to reformulate statements about questions of primary human concern in the light of science, the main theme is to be the problem of knowing. How have men, or animals for that matter, come to know what is right for them to do in order to have life and abundant life? How have cultural traditions on morals and religion evolved? How may the scientific approach to truth or reality participate in the revelation of the truth about man's ultimate concerns?

Persons of any religious or irreligious background are welcome to the conference, which is limited to 200. Scholarships for the week's expenses at the island are available to younger theologians, clergymen, and scientists. For a folder and further information, write to the registrar, Mrs. Rosalind Holt, Box 156, Pennington, N.J. The general character of the previous conferences can be reviewed by consulting *Science* 124, 690 (12 Oct. 1956).

Vienna Bioclimatology Meeting

The National Science Foundation will award grants to defray partial travel expenses for a limited number of American scientists participating in the first scientific congress of the International Society of Bioclimatology and Biometeorology, which will meet in Vienna, Austria, 23–27 Sept. Application blanks may be obtained from the National Science Foundation, Washington 25, D.C. Completed forms must be submitted by 15 June.

Society Elections

- American Association of Pathologists and Bacteriologists: pres., Sidney Farber, Boston, Mass.; v. pres., Alan R. Moritz, Cleveland, Ohio; sec., Russell L. Holman, New Orleans, La.; treas., Brig. Gen. Elbert DeCoursey, San Antonio, Tex.
- American Association of Anatomists: pres., Barry J. Anson; pres.-elect, Davenport Hooker; pres.-emeritus, E. A. Boyden; 1st v. pres., William W. Greulich; 2nd v. pres., O. V. Batson; sectreas., Louis B. Flexner.
- South Carolina Academy of Science: pres., H. W. Davis, University of South Carolina; pres.-elect, G. B. Wolcott; v. pres., H. W. Freeman; sec.-treas., Margaret Hess, Winthrop College. Representative to the AAAS Council is Martin D. Young.
- Association of Southeastern Biologists: pres., H. K. Wallace, University of Florida; past pres., George C. Kent, Louisiana State University; pres.-elect, M. E.

- Gaulden, Oak Ridge, Tenn.; v. pres., H. H. Hobbs, University of Virginia; sec., J. C. Dickinson, Jr., University of Florida; treas., A. W. Jones, University of Tennessee. Representative to the AAAS Council is M. E. Gaulden.
- Southern Society for Philosophy and Psychology: pres., Richard H. Henneman, University of Virginia; sec., Wilse B. Webb, U.S. Naval School of Aviation Medicine, NAS, Pensacola, Fla. Representative to the AAAS Council is Richard H. Henneman.
- American Society of Biological Chemists: pres., John T. Edsall; pres.-elect, Severo Ochoa; sec., Philip Handler; treas., Stanford Moore.
- Pennsylvania Academy of Science: pres., Robert B. Gordon, State Teachers College, West Chester, Pa.; pres.-elect, Arthur W. Shively, Franklin and Marshall College; v. pres., Earl Bowen, Gettysburg College; v. pres., Bertil Anderson, Pennsylvania State University; sec., Kenneth Dearolf, Public Museum and Art Gallery, Reading, Pa. Representative to the AAAS Council is Kenneth Dearolf.
- American Oil Chemists' Society: pres., H. C. Black; v. pres., J. C. Konen; sec., R. W. Bates, Armour and Company, Chicago, Ill.; treas., A. F. Kapecki.
- Scientific Apparatus Makers Association: pres., Richard E. Welch, W. M. Welch Manufacturing Company, Chicago, Ill.; past pres., Henry F. Dever, Minneapolis-Honeywell Regulator Company; treas., T. M. Mints, E. H. Sargent and Company.
- International Academy of Pathology: pres., William O. Russell, Texas; pres.elect, Chapman Binford, Washington, D.C.; v. pres., Robert Stowell, Kansas City, Mo.; sec.-treas., F. K. Mostofi, Washington, D.C.
- Cooper Ornithological Society: board of directors; pres., J. R. Pemberton; senior v. pres., W. J. Sheffler; junior v. pres., F. A. Pitelka; treas., J. C. von Bloeker, Jr.; sec., John Davis.

Forthcoming Events

June

23-29. American Library Assoc., annual, Kansas City, Kans. (D. H. Clift, ALA Hq., 50 E. Huron St., Chicago 11, Ill.)

23-30. Rheumatic Diseases, 9th internatl. cong., in conjunction with American Rheumatism Assoc., Toronto, Ont., Canada. (E. Dunlop, Box 237, Terminal "A," Toronto.)

24-26. Aging, 10th conf., Ann Arbor, Mich. (Div. of Gerontology, Univ. of Michigan, Rackham Bldg., Ann Arbor.)

24-26. American Soc. of Heating and Air-Conditioning Engineers, Murray Bay, Quebec, Canada. (A. V. Hutchinson, ASHAE, 62 Worth St., New York 13.)

24-27. Agricultural Inst. of Canada, with six other Canadian agricultural socs., annual, Vancouver, B.C. (W. J. Anderson, Dept. of Agricultural Economics, Univ. of British Columbia, Vancouver.)

British Columbia, Vancouver.)
24-28. American Inst. of Electrical Engineers, summer general, Montreal, Quebec, Canada. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

24-28. Scientific Management, 11th internatl. cong., Paris, France. (Internatl.

Committee of Scientific Management, 57, rue de Babylone, Paris 7e.)

24-29. Cosmical Gas Dynamics, 3rd symp. (by invitation), Internatl. Union of Theoretical and Applied Mechanics, Cambridge, Mass. (J. M. Burgers, Univ. of Maryland, College Park.)

25-27. Max Planck Soc. for the Advancement of Science, annual general assembly, Lübeck, Germany. (Max Planck Soc. for the Advancement of Science, Kaiserwertherstrasse 164, Dusseldorf, Germany.)

25-28. American Dairy Science Assoc., 51st annual, Stillwater, Okla. (H. F. Judkins, 32 Ridgeway Circle, White Plains, N.Y.)

25-28. American Home Economics As-

soc., St. Louis, Mo. (Miss M. Horton, AHEA, 1600 20 St., NW, Washington 9.)

30-1. National Education Assoc., annual, Philadelphia, Pa. (W. G. Carr, NEA, 1201 16 St., NW, Washington 6.)

July

1-3. Reproduction and Infertility, 3rd symp., Fort Collins, Colo. (F. X. Gassner, Colorado State Univ., Fort Collins.)

1-6. Brazilian Soc. for the Advancement of Science, 9th annual, Rio de Janeiro, Brazil. (Sociedade Brasileira Para o Progresso da Ciencia, Caixa Postal 2926, São Paulo, Brazil.)

1-6. Industrial Medicine, 12th internatl. cong., Helsinki, Finland. (L. Noro, Inst. of Occupational Health, Huapalahdenkatu 1, T8818, Helsinki.)

2-4. Neurological Basis of Behavior, Ciba Foundation Symp. (by invitation only), London, England. (G. E. W. Wolstenholme, Ciba Foundation, 41 Portland Pl., London, W.1.)

2-6. Physical Problems of Color Television, internatl. symp. of IUPAP, Paris, France. (Secretary, Colloque International sur les Problèmes de la Télévision en Couleurs, Conservatoire National des Arts et Métiers, 292, rue Saint-Martin, Paris 3°.)

3-6. Current Problems in Crystal Physics, conf. IUPAP and NSF, Cambridge, Mass. (J. S. Slater, Massachusetts Inst. of Technology, Cambridge 39.)

8-10. Astrophysical Symp., 8th internl., Liége, Belgium. (P. Swings, Institut d'Astrophysique, Université de Liége, Liége.)

8-10. Endocrine Aspect of Breast Cancer, Internatl. conf., Glasgow, Scotland. (A. P. M. Forrest, Dept. of Surgery, Western Infirmary, Glasgow, W.1.)

8-12. Inter-American Cong. of Philosophy, 5th, Washington, D.C. (R. M. Chisholm, Brown Univ., Providence, R.I.)

8-12. Poliomyelitis Conf., 4th internatl., Geneva, Switzerland. (Secretariat, 4th International Poliomyelitis Conference, Hotel du Rhone, Geneva.)

9-11. Biological Symp., 8th annual, Univ. of Michigan, Ann Arbor. (B. L. Baker, Dept. of Anatomy, Univ. of Michigan, Ann Arbor.)

9-13. European Molecular Spectroscopy Conf., Freiburg, Breisgau, Germany. (R. Mecke, Dept. of Physical Chemistry, Univ. of Freiburg, Freiburg.)

9-13. International Cong. for the Study of Social Insects, Paris, France. (G. Richard, International Union for the Study of Social Insects, Faculty of Sciences, University of Rennes, Rennes, France.)

10-12. Thermodynamic and Transport Properties of Fluids, conf., IUPAC, London, England. (Institution of Mechanical Engineers, 1, Birdcage Walk, Westminster, London, S.W. 1.)
10-17. International Union of Crystal-

10-17. International Union of Crystallography, 4th genl. assembly, Montreal, Canada. (G. A. Jeffrey, Chemistry Dept., Univ. of Pittsburgh, Pittsburgh 13, Pa.)

11-13. Applied Cytology, European Symp., Brussels, Belgium. (Secretary, Comm. on International Cong., American Cancer Soc., 521 W. 57 St., New York 19, N.Y.)

14-19. International Assoc. of Geron-

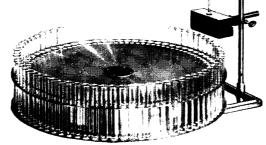
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tology, Merano, Italy. (A. I. Lansing, Dept. of Anatomy, Univ. of Pittsburgh, Pittsburgh 13, Pa.)

14-20. Clinical Pathology, 4th internatl. cong., Brussels, Belgium. (M. Welsch, Service de Bacteriologie et de Parasitologie, Université de Liége, Blvd. de la Constitution, Liége, Belgium.)

15-18. Biochemistry of Lipids, International Colloquium, Oxford, England. (Dr. Sinclair, Laboratory of Human Nutrition, Oxford.)

15-19. Institute on College Administration, annual, Ann Arbor, Mich. (A. D. Henderson, 2442 U.E.S., Univ. of Michigan, Ann Arbor.)

16-19. American Malacological Union, annual, New Haven, Conn. (Miss M. C. Teskey, P.O. Box 238, Marinette, Wis.)

16-24. International Cong. for Pure and Applied Chemistry, 16th, Paris, France (R. Morf, Secy. Genl., IUPAC, Sandoz, S.A., Basel, Switzerland.)

20-21. Medical-Sociological Aspects of Senile Nervous Diseases, internatl. symp., Venice, Italy. (S. N. Feingold, Jewish Vocational Service of Greater Boston, 70 Franklin St., Boston 10, Mass.)

21-28. Neurological Sciences, 1st internatl. cong., Brussels, Belgium. (P. Bailey, National Institutes of Health, Bethesda 14, Md.)

23-24. Modern Electrochemical Methods of Analysis, Internatl. symp., Paris, France. (G. Charles, Ecole Superieure de Physique et de Chimie, 10, rue Vauquelin, Paris 5e.)

25-26. Structure Properties Relationships of Polymers (IUPAC), Paris, France. (International Union of Pure and Applied Chemistry, 4, Avenue de l'Observatoire, Paris 6e.)

25-29. Protein Chemistry Symp., IUPAC, Paris, France. (J. Roche, College de France, Place Marcellin Berthelot, Paris 5e.)

26-27. Experimental Psychology and Animal Behavior Section of International Union of Biology, Brussels, Belgium. (H. S. Langfeld, Dept. of Psychology, Prince-

ton Univ., Princeton, N.J.)
26-27. Linguistic Soc. of America, Ann Arbor, Mich. (A. A. Hill, Box 7790, University Station, Austin 12, Tex.)

26-27. Military Psychology, internatl. symp., Brussels, Belgium. (National Academy of Sciences, 2101 Constitution Ave., NW, Washington 25.)

26-1. International Congress on Nutrition, 4th, Paris, France. (Quatrième Congrès International de Nutrition, CNERNA, 71, boulevard Péreire, Paris 17e.)

28-1. Psychoanalysis, 20th internatl. cong., Paris, France. (Dr. Nacht, 187, rue Saint-Jacques, Paris 5.)

28-3. Psychology, 15th internatl. cong., Brussels, Belgium. (L. Delys, 296, avenue des Sept Bonniers, Forest-Bruxelles.)

31-5. International Assoc. for Hydraulic Research, Lisbon, Portugal. (M. Coelho Mendes da Rocha, Laboratorio Nacional de Engenharia Civil, Avenida do Brasil, Lisbon.)

31-6. Dermatology, 11th internatl. cong., Stockholm, Sweden. (C. H. Floden, Hudkliniken, Karolinska Sjukhuset, Stockholm 60.)

(See issue of 17 May for comprehensive list)

EQUIPMENT NEWS

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Science does not assume responsibility for the accuracy of the information. All inquiries concerning items listed should be addressed to Science, Room 740, 11 W. 42 St., New York 36, N.Y. Include the name(s) of the manufacturer(s) and the department number(s).

- WAVEFORM GENERATOR, manufactured by Servomax Controls Ltd. for the low frequency range, provides 37 basic output waveforms, including sine, triangle, sawtooth, pulse, square, and trapezoid, as well as ramp and step functions. Dynamic frequency range is greater than 1 million to 1, with an absolute accuracy of ±2 percent. Output may be continuously varied from 150 to 100 v peak-topeak in six ranges. Sine waves may be generated at 500 to 0.0005 cy/sec. Pulse duration is variable from 1 m sec to 1000 sec with rise time, 10 to 90 percent of less than 5 usec. (British Industries Corp., Dept. S327)
- ROTATING-CYLINDER VISCOMETER is designed for making viscosity measurements at shear rates as low as 0.2 sec-1 without extrapolation. Electrostatic forces are used to supply restoring torque. (Polarad Electronics Corp., Dept. S323)
- NUCLEAR-RADIATION SPECTROMETER COnsists of a linear pulse amplifier, a pulseheight analyzer, a ratemeter, and a highvoltage power supply. The pulse-height analyzer has a recovery time of 0.4 sec and covers the range of 1 to 100 v with 0.1-percent linearity and with a stability of better than 0.1 v for a 20-percent change in line voltage. An automatic scanner with scan times of 1/4, 1/2, 1, 2, and 4 hours is included as an accessory. (Mt. Sopris Instrument Corp., Dept.
- CHROMATOGRAPH may be used for qualitative or quantitative separation of compounds with boiling points from 20° to 400°C. The sample is injected by a 0.25-ml syringe through a silicone-rubber gasket. Temperature may be increased 2°C per minute and maintained to ±1°C. Interchangeable columns and a variety of column packings, as well as models with or without recorders, are available. (Wilkens Instrument and Research, Inc., Dept. S335)
- SOLAR FURNACE provides a tool for exposing material to 3500°C over a circular area of 0.6 cm diameter without contamination from sample containers or furnace walls. The basic component is a parabolic mirror 60-in. in diameter. The front reflecting surface of the mirror is coated with stellite. A viewing port at