

Meetings and Societies

AAAS General Symposium

The theme of this year's Association-wide program, *Moving Frontiers of Science*, which will be presented at the Indianapolis meeting, is "Ideas That Mold Our Work." The program will include three addresses. On the evening of 26 December, S. S. Stevens of the department of psychology at Harvard University will discuss "Measurement and man," and G. C. McVittie of the University of Illinois Observatory will discuss "Distance and relativity." On the afternoon of 27 December, T. Dobzhansky of the department of zoology at Columbia University will discuss "Evolution at work," and there will be a commentary on the program and an opportunity for questions to be addressed to the three speakers. Both sessions will be under the chairmanship of F. S. C. Northrop, Sterling professor of law and philosophy, Yale University. The program has been arranged by the Association's Committee on AAAS Meetings, of which Harry C. Kelly, National Science Foundation, is chairman, and Howard M. Phillips, Arthur W. Galston, Frank K. Edmondson, and F. E. Cislak are members.

Preview of Programs at AAAS Indianapolis Meeting

A number of outstanding programs have been planned for the forthcoming AAAS meeting in Indianapolis. Briefly described here are the programs in biology, engineering, medicine, dentistry, pharmacy, and agriculture.

Programs previously announced are those in mathematics, physics, chemistry, astronomy, and earth sciences.

Zoological Sciences

Section F. Contributed papers, 27 Dec., morning; Harold H. Plough, Amherst College, presiding.

Symposium, cosponsored by the Society of General Physiologists and the American Society of Zoologists: "Current Understanding of Pituitary Function"; arranged by W. R. Breneman, Indiana University, who will preside; 27 Dec., evening. "Pituitary function in cold-blooded vertebrates," Paul A.

Wright, University of Michigan; "Pituitary function in warm-blooded vertebrates," W. R. Breneman; "The role of the hypothalamus in pituitary function," A. V. Nalbandov, University of Illinois.

Contributed papers, cosponsored by the American Society of Zoologists and the Society of General Physiologists; 28 Dec., morning; Sears Crowell, Jr., Indiana University, presiding.

Two-session symposium, jointly with Section G and cosponsored by the Society of Systematic Zoology, Ecological Society of America, Genetics Society of America, American Society of Naturalists, American Society of Zoologists, and the Botanical Society of America: "Some Unsolved Problems in Biology, 1957," Part I: "Geographic Distribution of Contemporary Organisms," arranged by H. H. Plough; 28 Dec., afternoon. E. R. Hall, University of Kansas, presiding. "The contribution of Pleistocene paleoecology," Paul S. Martin, University of Montreal; "Distribution patterns in the flora of eastern North America," Aaron J. Sharp, University of Tennessee; "Geographic distribution of insects," H. H. Ross, Illinois Natural History Survey; "Distributional patterns of vertebrates in the southern U.S. in relation to past and present environments," W. Frank Blair, University of Texas; "The Palearctic element in the new world avifauna," Kenneth C. Parkes, Carnegie Museum; "Modern mammals," E. Lendell Cockrum, University of Arizona.

Vice-presidential address, "Conservation and the animal biologist," by E. Raymond Hall, University of Kansas, 29 Dec., evening; Raymond C. Moore, University of Kansas, presiding.

Two-session symposium, sponsored by the Division of Biological and Medical Research, Argonne National Laboratory: "Low Level Irradiation"; arranged by Austin M. Brues, Argonne National Laboratory; 30 Dec., morning and afternoon. Part I: "Scientific Presentation"; E. Lawrence Powers, Argonne National Laboratory, presiding. "Natural and artificial radiation background of man," Robert A. Dudley, Massachusetts Institute of Technology; "Discussion of meteorological factors and fallout distribution," Lester Machta, United States

Weather Bureau; "Genetic effects of low level irradiation," Earl L. Green, Jackson Memorial Laboratory; "Present status of knowledge of somatic effects of low level irradiation," Austin M. Brues. Part II: "Implications"; Austin M. Brues, presiding. "Radiation as a public health problem," David E. Price, U.S. Public Health Service; "Responsibility of the press," Carl E. Lindstrom, *Hartford Times*; "Legal and political implications," Hon. Chet Holifield, California, U.S. House of Representatives; "Morality and scientific decisions," C. West Churchman, School of Business Administration, University of California, Berkeley.

Society of Systematic Zoology. Contributed papers, 28 Dec., morning.

Biological Sciences

Biometric Society, Eastern North American Region. Special address, cosponsored by the Ecological Society of America: "Smoking and lung cancer: An example of the interpretation of statistical data in the observational sciences," by Sir Ronald A. Fisher, Cambridge University; 27 Dec., morning; Boyd Harshbarger, Virginia Polytechnic Institute, presiding.

Contributed papers, 27 Dec., afternoon; T. A. Bancroft, Iowa State College, presiding.

Ecological Society of America. Contributed papers in plant ecology, 28 Dec., morning.

Contributed papers in animal, general, and human ecology, 28 Dec., morning.

Invited papers on sexual behavior, sponsored by the Section on Animal Behavior and Sociobiology, Ecological Society of America; 29 Dec., afternoon; A. M. Guhl, Kansas State College, presiding. "The development of sexual behavior," Evelyn Shaw, American Museum of Natural History; "Endocrine control of sexual behavior," Adam Anthony, Pennsylvania State University; "Stimulus control of sexual behavior," E. B. Hale, Pennsylvania State University; "Induced sexual responses by intracranial chemical stimulation," Alan Fisher, University of Pittsburgh; "Comparative studies of sexual behavior," John A. King, Jackson Memorial Laboratory.

National Association of Biology Teachers. "Session on Outdoor Biology," arranged by Irene Hollenbeck, Southern Oregon College; 27 Dec., morning; Howard Weaver, University of Illinois, presiding. "Planning better outdoor laboratories for schools," John W. Brainerd, Springfield College; "Soil studies in high-school biology," H. Seymour Fowler, Pennsylvania State University; "Physical limnology as a part of high-school biology," John C. Ayers, University of Michigan; "Aquatic biology field trips," Walter H. Brown, Illinois State

Normal University; "Ornithology out-of-doors," Rex Conyers, Senior High School, University City, Missouri; "Teaching ecological principles in high-school biology," Robert A. Bullington, Northern Illinois State College.

Symposium, jointly with American Nature Study Society, National Association for Research in Science Teaching, and National Science Teachers Association: "Teaching the Major Concepts"; arranged by Paul Klinge, Indiana University, who will preside; 28 Dec., morning. Part I: "Relativity," Emil J. Konopinski, Indiana University; George G. Mallinson, Western Michigan College, presiding. Part II: "Evolution," Edward O. Dodson, University of Ottawa; John Breukelman, State Teachers College, Emporia, Kansas, presiding. Part III: "Individuality of Man," Ralph Tyler, Center for Advanced Study in the Behavioral Sciences, Stanford; Richard L. Weaver, University of Michigan, presiding.

Symposium: "Methods and Techniques—Problem-Solving in Biology"; arranged by Irene Hollenbeck; 28 Dec., afternoon; Frances L. Hall, Columbia University, presiding. "Teaching problem-solving," J. Darrell Barnard, New York University; "Original research experiences directing high-school students toward professional careers in science," Wallace M. Good, Wyandotte High School, Kansas City, Kansas; "Stimulating interest in science through special projects," Dorothy Vaughn, Neodesha High School, Neodesha, Kansas; Panel: "Problem-solving techniques used while studying the heart and circulation," arranged by Marian V. Hamburg, American Heart Association, Inc.

Botanical Sciences

Section G. Contributed papers, 27 Dec., morning; M. Trufant Hall, Butler University, presiding.

Symposium, cosponsored by the American Society of Plant Physiologists, Midwest Section: "Polarity, Heads or Tails?"; 28 Dec., morning, A. C. Leopold, Purdue University, presiding. Introductory remarks, A. C. Leopold; "The morphology of polarity in plants," W. P. Jacobs, Princeton University; "Bioelectric and metabolic factors in polarity," Hilda F. Rosene, Lund Research Laboratory; "Electrokinetics of plant polarity," D. S. Fensom, University of Toronto.

Two-session symposium, jointly with Section F and cosponsored by the Ecological Society of America, Genetics Society of America, American Society of Naturalists, American Society of Zoologists, Botanical Society of America, and the American Society of Plant Physiologists, Midwestern Section: "Some Unsolved Problems in Biology, 1957," Part II: "Biochemistry and Embryology,"

arranged by Barry Commoner, Washington University, who will preside; 29 Dec., morning. "The biosynthesis of proteins," Felix Haurowitz, Indiana University; "Photosynthesis," Hans Gaffron, University of Chicago; "Inheritance in somatic cells," Robert W. Briggs, Indiana University; "The nature of cellular interaction during regeneration," S. Meryl Rose, University of Illinois.

Contributed papers; 29 Dec., afternoon; Harry J. Fuller, University of Illinois, presiding.

Botanists' dinner and vice-presidential address: "Casual ablutions," by Harry J. Fuller; 29 Dec., evening; Barry Commoner, presiding.

Engineering

Section M. Two-session symposium: "Man and His Environment," arranged by a committee, Carl F. Kayan, Columbia University, chairman; 30 Dec., morning and afternoon. Part I, cosponsored by the American Meteorological Society and the American Geophysical Union: "Outdoor Environment"; George M. Hawkins, Purdue University, presiding. "Man's adaptation to outdoor environment," Raymond C. Wanta, Robert A. Taft Sanitary Engineering Center; "Meteorological measurements in relation to weather," Edward M. Brooks, St. Louis University; "Organization of weather data for short- and long-range predictions," Robert D. Fletcher, Andrews Air Force Base; "Prerequisites for weather control," Bernard Vonnegat, Arthur D. Little, Inc. Part II, cosponsored by the American Industrial Hygiene Association: "Indoor Environment"; Carl F. Kayan, presiding. "Engineering aspects of indoor comfort data," Charles S. Leopold, consulting engineer; "Problems of industrial noise," Charles R. Williams, Liberty Mutual Insurance Company; "Problems of light and glare," Sylvester K. Guth, General Electric Company; "Air contaminants in indoor atmosphere," Charles D. Yaffe, U.S. Public Health Service.

Medical Sciences

Section N. Four-session symposium, cosponsored by the American Medical Association Committee on Cosmetics and the Society for Investigative Dermatology: "The Human Integument—Normal and Abnormal"; arranged by a committee, Stephen Rothman, University of Chicago, chairman; 28 and 29 Dec., morning and afternoon, Stephen Rothman, presiding. Part I: "The Integument as an Organ of Protection." "Relation of the anatomy of normal and abnormal skin to its protective function," Richard B. Stoughton, University Hospitals of Cleveland; "Protection against the transfer of molecules and energy," Robert D. Griesemer, Harvard Medical School; "Protection against the invasion

of bacteria and fungi," Irvin H. Blank, Harvard Medical School. Part II: "Circulation and Vascular Reactions." "The structural aspects and hemodynamics of skin circulation, pharmacological effects," Benjamin W. Zweifach, New York College of Medicine; "Physiology of cutaneous circulation: effect of cold and heat, thermal regulatory functions," Alan C. Burton, University of Western Ontario; "Pathology and therapy of cutaneous circulatory disorders," Robert R. Kierland, Mayo Clinic. Part III: "Sebaceous Gland Secretion." "Pathological problems involving the sebaceous glands, including acne," Eugene J. Van Scott, National Institutes of Health; "The biochemical and hormonal aspects of sebaceous secretion," Allan L. Lorincz, University of Chicago; "Therapeutic and cosmetic considerations in acne vulgaris," Marion B. Sulzberger, New York University—Bellevue Medical Center. Part IV: "Pathogenetic Factors in Premalignant Conditions and Malignancies of the Skin." "Etiologic factors and pathogenesis of premalignant and malignant lesions of the skin," Raymond R. Suskind and A. Wesley Horton, Kettering Institute; "Clinical, histological, and diagnostic considerations," Hermann Pinkus, Wayne State University; "Prognosis, preventive measures, and treatment," Frederick D. Malkinson, University of Chicago.

Vice-presidential address: "Embryon truth and verities yet in their chaos," by William B. Bean, State University of Iowa College of Medicine; 28 Dec., afternoon; Stephen Rothman, University of Chicago, presiding.

Alpha Epsilon Delta, National Pre-medical Honor Society. Symposium, cosponsored by Sections C, F, N, and Nd, and Beta Beta Beta Biological Society: "Premedical and Predental Education"; arranged by Christian E. Kaslow, Indiana University, and Maurice L. Moore, Bronxville, New York; 28 Dec., morning; Lloyd R. Gribble, West Virginia University, presiding. Welcoming remarks, J. D. Van Nuys, Indiana University Medical School; introductory remarks, Lloyd R. Gribble; "Coordination and integration of undergraduate and professional education in the health sciences," Herbert E. Longnecker, University of Illinois; "Medical education and the liberal arts college—a report on the Northwestern University project," Richard H. Young, Northwestern University Medical School; panel discussion: "Criteria for admission to medical school," L. H. Baldinger, University of Notre Dame, moderator; panel discussion: "Criteria for admission to dental school," Joseph C. Muhler, Indiana University Dental School, moderator.

Luncheon and address: "Methods of improving liaison and cooperation between medical, dental, and liberal

arts colleges," by E. W. Shrigley, Indiana University Medical School; 28 Dec., noon; Lloyd R. Gribble, presiding.

American Physiological Society. Two-session symposium, cosponsored by Section N: "Space Medicine"; arranged by Fred A. Hitchcock, Ohio State University, who will preside; 29 Dec., morning and afternoon. Part I. Opening remarks, Fred A. Hitchcock; "Observations made during the Manhigh II flight," David G. Simons, Holloman Air Force Base; "Physiological aspects of Manhigh II," Erwin Archibald, Holloman Air Force Base; "Apparent motion of a fixed luminous target during subgravity trajectories," Grover J. D. Schack, Holloman Air Force Base. Part II: "Radiation hazards in space travel," Abner Golden, Emory University, and Hermann J. Schaefer, U.S. Naval School of Aviation Medicine; "Sealed cabins and artificial atmospheres," James G. Gaume, Martin Company; "Discussion."

American Psychiatric Association. Four-section symposium, cosponsored by Section K and the American Sociological Society: "Rehabilitation of the Mentally Ill: Social and Economic Aspects"; 29 and 30 Dec., mornings and afternoons. Part I: "General Problems"; Benjamin Simon, Ring Sanatorium, presiding. "Rehabilitation of the mentally ill: national aspects," Jack R. Ewalt, Massachusetts Department of Mental Health; "The rehabilitation spectrum," Milton Greenblatt, Massachusetts Mental Health Center; "Rehabilitation potential of the mentally ill," Ernest M. Gruenberg, Milbank Memorial Fund; discussion, Charlotte Schwartz, Joint Commission on Mental Illness and Health, and Robert W. Hyde, Butler Health Center, Providence. Part II: "Hospital Aspects of Rehabilitation"; Richard H. Williams, National Institute of Mental Health, presiding. "Philosophy of rehabilitation with remarks on a pilot study," Harold R. Martin, University of Nebraska College of Medicine; "Pilot study at Boston State Hospital," Ralph Notman, National Institute of Mental Health; "The hospital work program," David Landy, Massachusetts Mental Health Center; "Coordination of ancillary services," William Key, Washburn University; "Relation between dynamic aspects and special hospital activities," E. D. Wittkower, McGill University; discussion, Walter E. Barton, Boston State Hospital, and John Cumming, Psychiatric Receiving Center, Kansas City, Missouri. Part III: "Transition from Hospital to Community"; Milton Greenblatt, presiding. "Vocational rehabilitation: transition from hospital to community," Temple Burling, Cornell University; "Problems in the development of a half-way house," George W. Brooks, Vermont State Hospital; "New Concepts in rehabilitation of the

mentally ill in the Veterans Administration, including member-employment and hospital industry," A. B. C. Knudson, Veterans Administration; "Vocational counseling," Joseph F. Sanders, Veterans Administration Hospital; "Fountain House and community after-care clinics," Donald M. Carmichael, Aftercare Clinics, New York; discussion, Robert T. Hewitt, National Institute of Mental Health, and Donald H. Dabelstein, Office of Vocational Rehabilitation. Part IV: "Community Aspects of Rehabilitation"; Stuart A. Rice, Stuart Rice Associates, presiding. "Implications of rehabilitation with consideration of prevention aspects," Robert C. Hunt, Hudson River State Hospital; "Patterns of posthospital experience," Herbert Nabousek and Ozzie G. Simmons, Harvard School of Public Health; "Patients maintained in the community on tranquilizing drugs," Else B. Kris, Adelphi College; "The protected workshop and other community services," Bertram J. Black, Altro Health and Rehabilitation Services, Inc.; "Employer receptivity," Simon Olshansky, Joint Commission on Mental Illness and Health; discussion, C. Knight Aldrich, University of Chicago.

Dentistry

Section Nd. Three-session symposium, cosponsored by the American College of Dentists, American Dental Association, and the International Association for Dental Research, North American Division: "Physiology and Pharmacology of Fluorides"; 27 Dec., morning and evening, and 28 Dec., morning. Part I, Maynard K. Hine, Indiana University School of Dentistry, presiding: "Fluoride and enzyme inhibition," Walter J. Frajola, Ohio State University; "Essentiality of fluoride in nutrition," Joseph C. Muhler, Indiana University; "Comparison of fluorides as they naturally occur and as they are added in fluoridation," Martin J. Wagner, Indiana University; "Relationship of fluoride and lipid metabolism," Wolfgang Buttner, Indiana University; "The role of fluorides and vitamin metabolism," Paul Phillips, University of Wisconsin. Part II, Joseph C. Muhler, presiding. "The constitutionality of fluoridation," Bernard J. Conway, American Dental Association; "Fluoride toxicity," Frank A. Smith and Harold C. Hodge, University of Rochester School of Medicine and Dentistry; "Fluoride excretion," Edward J. Largent, Ohio State University; "The effects of fluoridation on general health as reflected in mortality data," Thomas L. Hagan, U.S. Public Health Service. Part III, Isaac Schour, University of Illinois School of Dentistry, presiding. "The deposition of fluoride in the human skeleton," I. Zipkin, National Institute of Dental Research; "Fluorides and

periodontal health," A. L. Russell, National Institutes of Health; "Fluoride in foods and medicine," Gerald J. Cox, University of Pittsburgh School of Dentistry; "Fluoridation as compared to fluoride preparations for individual use," J. Roy Doty, American Dental Association.

Pharmacy

Section Np. The five programs listed below are cosponsored by the American Pharmaceutical Association, Scientific Section; the American Association of Colleges of Pharmacy; the American Society of Hospital Pharmacists; the American College of Apothecaries; and the National Association of Boards of Pharmacy.

Contributed papers, arranged by John E. Christian, Purdue University; 27 Dec., morning; Robert C. Anderson, Eli Lilly and Company, presiding.

Symposium: "A Pharmacological Approach to Mental Illness"; arranged by Robert C. Anderson, Eli Lilly and Company; 27 Dec., evening; John I. Nurnberger, Indiana University School of Medicine, moderator. "Chemistry," Jack Mills, Lilly Research Laboratories; "Pharmacology," Irwin H. Slater, Lilly Research Laboratories; "Animal behavioral studies," Thom Verhave, Lilly Research Laboratories; "Clinical," Nathan S. Kline, Rockland State Hospital.

Contributed papers: "Hospital Pharmacy"; arranged by George F. Archambault, U.S. Public Health Service, and Joseph A. Oddis, American Hospital Association; 28 Dec., morning; Joseph A. Oddis, presiding.

Contributed papers: "Hospital Pharmacy," and symposium: "Recent Trends in Medications"; arranged by George F. Archambault, Joseph A. Oddis, and Glen J. Sperandio of Purdue University; 28 Dec., afternoon; George F. Archambault, presiding. "Tissue culture: one key to medical progress," Charles J. York, Pitman-Moore Company; "Present concepts of drug therapy in cardiovascular disease," Roy H. Behnke, Veterans Consolidated Hospitals; "Recent trends in pediatric medication," Hugh D. Bryan, Mead Johnson and Company; "Physical compatibilities of some parenteral admixtures." Part I: "Intravenous admixtures." Part II: "Intramuscular admixtures," Robert C. Bogash, Lenox Hill Hospital.

Contributed papers, arranged by John E. Christian; 30 Dec., morning; Karl L. Kaufmann, Butler University School of Pharmacy, presiding.

Round-table discussion; jointly with the Metric Association: "Metric Implementation in Pharmacy, Medicine, and Chemistry"; arranged by J. T. Johnson, the Metric Association, who will moderate; 30 Dec., morning.

Agriculture

Section O. Four-session symposium: "Biological and Chemical Control of Plant and Animal Pests"; 28 Dec., morning and afternoon, 29 Dec., afternoon, and 30 Dec., morning. Part I: "Recent Advances in Chemical Control Measures"; R. L. Lovvorn, North Carolina State College, presiding. "Insecticides," John C. Keller, Agricultural Research Service; "Herbicides," R. H. Beatty, American Chemical Paint Company; "Fungicides and bactericides for control of plant diseases," George L. McNew, Boyce Thompson Institute for Plant Re-

search; "Chemical control of internal parasites of domestic animals," F. O. Gossett, Lilly Research Laboratories; "Systemic antibiotics and chemicals, their movement and mode of action," John E. Casida, University of Wisconsin; questions and discussion. Part II: "Recent Advances in Biological Control Measures"; H. Rex Thomas, Agricultural Research Service, presiding. "Parasites and predators for pest control," Charles A. Fleschner, University of California; "Control of forest insects," J. A. Beal, U.S. Department of Agriculture; "Control of forest diseases," J. R. Hansbrough, U.S. Department of Agriculture;

"Pathogens for the control of pests," John D. Briggs, Illinois State Natural History Survey; "Antagonism as a plant disease control principle," William C. Snyder, University of California; "Irradiation for pest control," E. F. Knippling, Agricultural Research Service; questions and discussion. Part III: "Inherent Resistance to Pests"; H. B. Sprague, Pennsylvania State University, presiding. "Disease resistance in animals: some genetic implications of the avian leukosis complex," Nelson F. Waters, Agricultural Research Service; "Breeding plants for resistance to insect pests," Reginald H. Painter, Kansas State College; "Breeding vegetable and fruit crops for resistance to diseases," J. R. Shay, Purdue University; "Breeding field crops for resistance to diseases," Ernest H. Stanford, University of California; "Nutrition of the host and reaction to pests," J. G. Rodriguez, University of Kentucky; questions and discussion. Part IV: "Problems Related to, and Consequences of, Biological and Chemical Control Measures"; T. C. Byerly, Agricultural Research Service, presiding. "Biological balance as affected by disease and insect control practices," A. D. Pickett, Canadian Department of Agriculture; "Exclusion and eradication versus reduction in diseases and pests," M. R. Clarkson, Agricultural Research Service; "Education in the use of pesticides," E. H. Fisher, University of Wisconsin; "Effects of regulatory control on evaluations of safety and suitability," Bernard L. Oser, Food Research Laboratories, Inc.; questions and discussion.

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Forthcoming Events

December

19-21. American Physical Soc., Stanford, Calif. (W. A. Nierenberg, Univ. of California, Berkeley 4.)

26-27. Northwest Scientific Assoc., annual, Spokane, Wash. (W. B. Merriam, Geography Dept., State College of Washington, Pullman.)

26-30. American Assoc. for the Advancement of Science, annual, Indianapolis, Ind. (R. L. Taylor, AAAS, 1515 Massachusetts Ave., NW, Washington 5.)

The following 44 meetings are being held in conjunction with the AAAS annual meeting.

AAAS Acad. Conference, annual (Father P. H. Yancey, Spring Hill College, Mobile, Ala.). 28 Dec.

AAAS Cooperative Committee on the Teaching of Science and Mathematics (F. B. Dutton, Dept. of Chemistry, Michigan State Univ., East Lansing). 27 Dec.

Alpha Epsilon Delta (M. L. Moore, 7 Brookside Circle, Bronxville, N.Y.). 28 Dec.

American Astronomical Soc. (J. A. Hynek, Smithsonian Astrophysical Ob-

servatory, 60 Garden St., Cambridge 38, Mass.). 27-30 Dec.

American Geophysical Union (E. M. Brooks, Dept. of Geophysics, St. Louis Univ., St. Louis 8, Mo.).

American Medical Assoc. Committee on Cosmetics (Mrs. V. L. Conley, AMA, 535 N. Dearborn St., Chicago, Ill.). 28-29 Dec.

American Meteorological Soc. (K. C. Spengler, AMS, 3 Joy St., Boston, Mass.).

American Nature Study Soc., annual (R. L. Weaver, School of Natural Resources, Univ. of Michigan, Ann Arbor). 26-30 Dec.

American Physiological Soc. (F. A. Hitchcock, Dept. of Physiology, Ohio State Univ., Columbus 10).

American Political Science Assoc. (C. S. Hyneman, Dept. of Government, Indiana Univ., Bloomington). 29 Dec.

American Psychiatric Assoc. (M. Greenblatt, Massachusetts Mental Health Center, 74 Fenwood Rd., Boston 15). 29-30 Dec.

American Soc. of Hospital Pharmacists (G. E. Archambault, Pharmacy Branch, U.S. Public Health Service, Washington 25).

American Soc. of Naturalists (B. Wallace, Biological Lab., Cold Spring Harbor, Long Island, N.Y.).

American Sociological Soc. (V. H. Whitney, Brown Univ., Providence, R.I.). 28 Dec.

American Statistical Assoc. (V. L. Anderson, Statistical Lab., Purdue Univ., Lafayette, Ind.).

Association of American Geographers (L. L. Ray, U.S. Geological Survey, Washington 25).

Association for Computing Machinery (J. E. Robertson, Digital Computer Lab., Univ. of Illinois, Urbana).

Astronomical League (W. Garnatz, 2506 South East St., Indianapolis.).

Beta Beta Beta (Mrs. F. G. Brooks, P.O. Box 336, Madison Sq. Station, New York 10). 27 Dec.

Biometric Soc., ENAR (T. A. Bancroft, Dept. of Statistics, Iowa State College, Ames).

Conference on Scientific Editorial Problems, annual (G. L. Scielstad, Applied Physics Lab., Johns Hopkins Univ., Silver Spring, Md.). 26-30 Dec.

Conference on Scientific Manpower, annual (T. J. Mills, National Science Foundation, Washington 25). 30 Dec.

Ecological Soc. of America (A. A. Lindsey, Dept. of Biological Sciences, Purdue Univ., Lafayette, Ind.). 27-29 Dec.

Metric Assoc. (J. T. Johnson, 694 West 11 St., Claremont, Calif.).

National Acad. of Economics and Political Science (D. P. Ray, Hall of Government, George Washington Univ., Washington, D.C.).

National Assoc. of Biology Teachers, annual (Miss I. Hollenbeck, Southern Oregon College of Education, Ashland). 26-31 Dec.

National Assoc. for Research in Science Teaching (G. G. Mallinson, Western Michigan College, Kalamazoo). 26-30 Dec.

National Assoc. of Science Writers (J. Troan, *Pittsburgh Press*, Pittsburgh, Pa.).

National Council of Teachers of Mathematics (P. Peak, College of Education, Indiana Univ., Bloomington). 27 Dec.

National Foundation for Junior Museums (J. R. Forbes, NFJM, 114 E. 30 St., New York 16). 26, 28 Dec.

National Geographic Soc. (W. R. Gray, NGS, 16th and M Sts., NW, Washington 6). 29 Dec.

National Science Teachers Assoc. (R. W. Schulz, Emmerich Manual Training High School, 2405 Madison Ave., Indianapolis 25). 26-30 Dec.

National Speleological Soc. (Brother G. Nicholas, LaSalle College, 20th and Olney Aves., Philadelphia 41, Pa.). 28 Dec.

Philosophy of Science Assoc. (C. W. Churchman, Case Inst. of Technology, Cleveland, Ohio).

Scientific Research Soc. of America, annual (D. B. Prentice, 56 Hillhouse Ave., New Haven 11, Conn.). 27 Dec.

Sigma Delta Epsilon, annual (Miss M. Chalmers, Dept. of Chemistry, Purdue Univ., Lafayette, Ind.). 26-30 Dec.

Sigma Pi Sigma (M. W. White, Pennsylvania State Univ., University Park). 27 Dec.

Society for the Advancement of Criminology (D. E. J. MacNamara, New York Inst. of Criminology, 40 E. 40 St., New York 16). 27-28 Dec.

Society for General Systems Research, annual (R. L. Meier, Mental Health Research Inst., Ann Arbor, Mich.).

Society for Industrial Microbiology, Washington Section (W. N. Ezekiel, Bureau of Mines, Washington 25).

Society for Investigative Dermatology (H. Beerman, Univ. of Pennsylvania School of Medicine, Philadelphia 3). 28-29 Dec.

Society of the Sigma Xi, annual (T. T. Holme, 56 Hillhouse Ave., New Haven 11, Conn.). 27 Dec.

Society of Systematic Zoology, annual (R. E. Blackwelder, Box 500, Victor, N.Y.). 26-31 Dec.

United Chapters of Phi Beta Kappa, annual address (C. Billman, 1811 Q St., NW, Washington, D.C.). 27 Dec.

27. Association for Symbolic Logic, Cambridge, Mass. (J. Barlaz, Rutgers Univ., New Brunswick, N.J.)

27-28. Linguistic Soc. of America, Chicago, Ill. (A. A. Hill, Box 7790, University Station, Austin 12, Tex.)

27-30. American Finance Assoc., annual, Philadelphia, Pa. (G. E. Hassett, Jr., New York Univ., 90 Trinity Pl., New York 6.)

28-29. American Folklore Soc., annual, Chicago, Ill. (M. Leach, Box 5, Bennett Hall, Univ. of Pennsylvania, Phila. 4, Pa.)

28-30. American Anthropological Assoc., annual, Chicago, Ill. (W. S. Godfrey, Jr., Logan Museum, Beloit College, Beloit, Wis.)

28-30. American Economic Assoc., annual, Philadelphia, Pa. (J. W. Bell, Northwestern Univ., Evanston, Ill.)

28-30. Archaeological Inst. of America, annual, Washington, D.C. (C. Boulter, 608, Univ. of Cincinnati Library, Cincinnati 21, Ohio.)

(See issue of 15 November for comprehensive list)

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