

Association Affairs

Programs Planned for the AAAS

Washington, D.C., Meeting

Section and society programs in the medical sciences, (including dentistry and pharmacy), to be presented at the Washington meeting, are given here. Programs in mathematics, physics, chemistry, astronomy, geology and geography, the biological sciences, anthropology, psychology, the social and economic sciences, the history and philosophy of science, engineering, and agriculture have been previously announced.

Medical Sciences

Section N. Four-session symposium, endorsed by the American Heart Association and the American College of Cardiology: "Congenital Heart Disease"; arranged by Allan D. Bass, Vanderbilt University School of Medicine, and Gordon K. Moe, Upstate Medical Center, State University of New York; 29 and 30 Dec.

Part I: "Development of the Heart and the Origins of Congenital Heart Disease"; S. R. M. Reynolds, University of Illinois College of Medicine, presiding. Papers on developmental processes involved in cardiogenesis (Alexander Barry, University of Michigan Medical School), fetal circulatory homeostasis (S. R. M. Reynolds), fetal and neonatal circulation in relation to congenital heart disease (Geoffrey Dawes, Nuffield Institute for Medical Research, Oxford, England), fetal and neonatal circulation—observations in humans (Forrest H. Adams, University of California Medical Center), experimental production of congenital cardiac defects (James G. Wilson, University of Florida College of Medicine), etiologic factors in congenital heart disease (Josef Warkany, University of Cincinnati).

Part II: "The Pathologic Physiology of Congenital Heart Disease"; Lewis Dexter, Harvard Medical School, presiding. Papers on the pathologic anatomy of congenital intra- and extracardiac shunts (Maurice Lev, Hektoen Institute and Northwestern University Medical School), hemodynamic alterations associated with septal defects and aortic-

pulmonary communications (Earl H. Wood, Mayo Clinic), the pathologic anatomy of congenital obstructive lesions and of pulmonary hypertension (Jesse E. Edwards, Mayo Clinic), the response of the heart to obstruction of ventricular outflow (S. Gilbert Blount, Jr., University of Colorado School of Medicine).

Part III: "The Diagnosis of Congenital Heart Disease"; André Cournand, Columbia University College of Physicians and Surgeons, presiding. Papers on cardiac catheterization techniques using pressure, flow, and oxygen analysis (Lewis Dexter), indicator-dilution techniques (Earl H. Wood), the characterization of circulatory shunts with foreign gas techniques (Eugene Braunwald, National Heart Institute), cinecardioangiography in the disease of congenital lesions (F. Mason Sones, Jr., Cleveland Clinic), intracardiac phonocardiography in the diagnosis of congenital heart disease (David Lewis, Philadelphia General Hospital), relative role of various clinical and hemodynamic techniques in diagnosis of congenital heart disease and in selection for surgery (Howard B. Burchell, Mayo Clinic).

Part IV: "Surgical Therapy of Congenital Heart Disease"; Alfred Blalock, Johns Hopkins University Medical School, presiding. Papers on the surgical treatment of pulmonary valvular stenosis and atrial septal defect using hypothermia (Henry Swan, University of Colorado Medical Center), surgical correction of septal defects and aneurysms of the sinus of Valsalva (C. Walton Lillehei, University of Minnesota Medical School), the surgical treatment of cyanotic congenital heart disease (John W. Kirklin, Mayo Clinic), problems of extracorporeal circulation (Robert Gross, Harvard Medical School), present status and future trends in the surgical therapy of congenital heart disease (Denton Cooley, Baylor University College of Medicine).

There will be two supplemental sessions on congenital heart disease in the form of closed-circuit color television programs, for professional people holding cards of admission.

Alpha Epsilon Delta National Pre-medical Honor Society. Symposium, co-

sponsored by AAAS sections C (Chemistry), F (Zoological Sciences), N (Medical Sciences), and Nd (Dentistry) and by Beta Beta Beta Biological Society and George Washington University School of Medicine: "Premedical and Predental Education"; 27 Dec.; Lloyd R. Gribble, West Virginia University, presiding. Welcome by O. C. Colclugh, George Washington University, and introductory remarks by Lloyd R. Gribble. Papers on the student in medicine (John Parks, George Washington University School of Medicine), the Johns Hopkins University Plan for Medical Education (Samuel P. Asper, Jr., Johns Hopkins University School of Medicine), the education of the dental student (Clemens V. Rault, Georgetown University School of Dentistry). Panel discussions will follow on the criteria for admission to dental school and the criteria for admission to medical school.

American Physiological Society. Two-session symposium, cosponsored by the American Astronautical Society: "Man and His Environment in Space"; 30 and 31 Dec.; arranged by Fred A. Hitchcock, Ohio State University, and Paul A. Campbell, School of Aviation Medicine, Randolph Air Force Base, Texas.

Part I: "General Considerations"; Paul A. Campbell, presiding. Papers on the man-machine system in space vehicles (George W. Hoover, Office of Naval Research), protection of man against transient exposure to high heat loads (Paul Webb, Aeromedical Laboratory, Wright Field), physiological telemetry (Miles McLennan, Wright Air Development Center), biodynamics of launch and reentry profiles (Edward Hiatt, Wright Air Development Center), psychological research on the environment of outer space (Frederick Rohles, Jr., Wright Air Development Center), physiological factors in space environment (Norman Barr, Medical Corps, U.S. Navy).

Part II, cosponsored in addition by the Society for Industrial Microbiology: "The Closed Ecological System"; Fred A. Hitchcock, presiding. Papers on a comparison of artificial environments used in sealed cabins during flights into the stratosphere (Malcolm D. Ross, Office of Naval Research), survival of terrestrial microorganisms under simulated Martian environmental conditions (John D. Fulton, School of Aviation Medicine, Randolph Air Force Base), the relation of oxygen consumption to oxygen tension (Dietrick E. Beischer, U.S. Navy), closed ecological subsystems—some practical application problems in manned space flight (Bruce W. Pinc, U.S. Air Force Ballistic Missile Division), exploratory research on the theoretical consideration of waste-water cycles in a

closed ecological system (William T. Ingram, New York University), atmospheric contaminants and their control (Gerald J. Duffner, Medical Corps, U.S. Navy).

American Psychiatric Association. Four-session symposium: "Hallucinations"; arranged by Louis Jolyon West, University of Oklahoma School of Medicine; 27 and 28 Dec.

Part I, Milton Greenblatt, Massachusetts Mental Health Center, presiding. Introduction by Louis Jolyon West. Papers on neurophysiological mechanisms underlying hallucinations (Edward

V. Evarts, National Institute of Mental Health), hallucinations and the reticular formation (Arnold B. Scheibel, University of California at Los Angeles, Medical School), pharmacodynamics of hallucinations (Amedeo S. Marrazzi, Veterans Administration Research Laboratories in Neuropsychiatry), a comparison of drug-induced hallucinations with those seen in spontaneously occurring psychoses (Sidney Malitz, New York State Psychiatric Institute), a comparison of the visual hallucinations in schizophrenia with those induced by mescaline (Irwin Feinberg, National Insti-

tute of Mental Health), hallucinations in neurological syndromes (Maitland Baldwin, National Institute of Mental Health).

Part II: Panel on "Hallucinations in Sensory Deprivation"; Jay T. Shurley, University of Oklahoma School of Medicine, moderating. Panel members are Eugene L. Bliss, University of Utah Medical School; Philip Solomon, Harvard School of Medicine; Jack A. Vernon, Princeton University; Woodburn Heron, McGill University; Sanford Freedman, Massachusetts Mental Health Center; Albert J. Silverman, Duke University School of Medicine; Harold L. Williams, Walter Reed Army Institute of Research; and Thomas I. Myers, Human Relations Research Organization.


Part III, Lawrence C. Kolb, Columbia University College of Physicians and Surgeons, presiding. Papers on hallucinations in schizophrenia and their relation to psychic structures (Arnold H. Modell, Massachusetts Mental Health Center), hallucinations: comments reflecting clinical observations (Otto A. Will, Jr., Chestnut Lodge, Rockville, Md.), mechanisms related to the hallucinogenic effects of Tarexein (Robert G. Heath, Tulane University Medical School), hallucinations in children (Leon Eisenberg, Johns Hopkins University School of Medicine), hypnotically induced hallucinations (Martin Orne, Massachusetts Mental Health Center), the phenomenology of hallucinations (Erwin W. Straus, Veterans Administration Hospital, Lexington, Kentucky).

Part IV, Robert G. Heath, presiding. Papers on tactile hallucinations as a communication (James Clarke Moloney, Birmingham, Michigan), the hallucinations of the mystic (Edward A. Weinstein, Department of Mental Health, St. Thomas, Virgin Islands), phantom sensations, hallucinations, and the body image (Lawrence C. Kolb), the body image in relation to hallucinations (Seymour Fisher, Baylor University School of Medicine), psychophysics, reality, and hallucinations (Sandford Goldstone, Baylor University School of Medicine), a general theory of hallucinations (Louis Jolyon West).

Dentistry

Section Nd. Three-session symposium, cosponsored by the American College of Dentists, the American Dental Association, and the International Association for Dental Research, North American Division, and by AAAS Sections F (Zoological Sciences) and N (Medical Sciences): "Calcification in Biological Systems"; 29 Dec.; arranged by Reidar F. Sognnaes, Harvard School of Dental Medicine.

Part I, Roy O. Greep, Harvard School of Dental Medicine, moderating. Speakers will be Gerrit Bevelander, New York



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University College of Dentistry; Karl M. Wilbur, Duke University; Dorothy F. Travis, Harvard Biological Laboratories; Leonard F. Bélanger, University of Ottawa School of Medicine; Richard H. Follis, Jr., Armed Forces Institute of Pathology; Robert C. Likens, Marie U. Nylen, Karl A. Piez, and David B. Scott, National Institute of Dental Research; Vernon M. Mosley, National Institute of Arthritis and Metabolic Diseases; and Lent C. Johnson, Armed Forces Institute of Pathology.

Part II, Reidar F. Sognnaes, moderating. Papers will be read by Marvin S. Burstone, National Institute of Dental Research; Robert M. Frank, Institut Dentaire, Strasbourg; Reidar F. Sognnaes; Clive C. Solomons and William F. Neuman, University of Rochester School of Medicine and Dentistry; James T. Irving, South African Council for Scientific and Industrial Research and the University of Witwatersrand; Robert A. Robinson, Johns Hopkins University; Reuben Eisenstein, Richard E. Trueheart, and George M. Hass, University of Illinois College of Medicine; and S. Wah Leung, University of Pittsburgh School of Dentistry.

Part III, Franklin C. McLean, University of Chicago, moderating. Papers will be read by Melvin L. Moss, Colum-

bia University College of Physicians and Surgeons; Paul Goldhaber, Harvard School of Dental Medicine; Karl A. Piez; Jerome Gross, Massachusetts General Hospital; Aaron S. Posner, National Bureau of Standards; and Melvin J. Glimcher, Massachusetts Institute of Technology.

Pharmacy

Section Np. Vice-presidential address, "The AAAS and Pharmacy," by George F. Archambault, U.S. Public Health Service; 28 Dec.; coordinated by John R. Kenny, Jr., E. R. Squibb and Sons.

Eight sessions, 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.; Justin L. Powers, American Pharmaceutical Association, presiding.

Contributed papers on hospital pharmacy; arranged by George F. Archambault, U.S. Public Health Service, and Joseph A. Oddis, American Hospital Association; 28 Dec.; Joseph A. Oddis, presiding.

Contributed papers on hospital pharmacy; arranged by George F. Archambault; Joseph A. Oddis; and William F. Apple, American Pharmaceutical Association; 28 Dec.; George F. Archambault, presiding.

Symposium: "Hospital Pharmacist of the Future"; 28 Dec.; William F. Apple, presiding. Papers will be read by Charles U. Letourneau, Hospital Management Magazine; Charles W. Bliven, George Washington University; Kenneth Nelson, U.S. Public Health Service; and Joseph A. Oddis.

Contributed papers; arranged by John E. Christian; 29 Dec.; Chauncey I. Cooper, Howard University College of Pharmacy, presiding.

Symposium: "Advances in Conquering Cancer"; arranged by George F. Archambault; Joseph A. Oddis; Stuart Sessoms, National Cancer Institute; and Milton Skolaut, National Institutes of Health; 29 Dec.; Stuart Sessoms, presiding. Papers will be read by Stuart Sessoms; T. Phillip Waalkes, National Cancer Institute; Milton Skolaut; and Roderick Murray, National Institutes of Health.

Tours of the National Institutes of Health and the American Institute of Pharmacy have been arranged for 29 Dec.

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