



# AAAS ANNUAL MEETING

Dallas, Texas  
26–31 December

*The American Association for the Advancement of Science has two major opportunities at the present time. One of them is to help in "putting science back together," by furnishing the means for interpreting to all scientists the content, the significance and the needs of all the special fields. The other is to help in the ever-continuing task of interpreting science to the general public, this being an essential matter in a democratic society which now depends on science in so many vital ways—Warren Weaver, 20 December 1954.*



# AAAS ANNUAL MEETING, DALLAS, TEXAS

26–31 December 1968

General Chairman: Hon. J. Erik Jonsson (Mayor of Dallas)

## AAAS INVITED LECTURES AND PANELS

- ☐ **Special Lecture I (26 Dec.).**  
"The Odyssean Voyage in Science and Literature."  
Loren C. Eiseley (Department of Anthropology, University Museum, University of Pennsylvania).
- ☐ **Special Lecture II (26 Dec.).**  
To be Announced.
- ☐ **Distinguished Lecture (27 Dec.).**  
"Science and Social Purpose; First Principles for a National Science Policy," James A. Shannon (Special Adviser to the President, National Academy of Sciences).
- ☐ **Frontiers of Science Lecture I (27 Dec.).**  
"Computer Technology and the Science of Curriculum," Patrick Suppes (Institute for Mathematical Studies in the Social Sciences, Stanford University).
- ☐ **RESA Annual Address and Panel Discussion (28 Dec.).**  
"Technology, Living Cities, and Human Environment," Athelstan Spilhaus (President, Franklin Institute, Philadelphia).
- ☐ **George Sarton Memorial Lecture (28 Dec.).**  
"Historical Reflections on the Scientist's Virtue," Owsei Temkin (William H. Welch Professor Emeritus of the History of Medicine, Institute of the History of Medicine, The Johns Hopkins University).
- ☐ **Address of the Retiring AAAS President (28 Dec.).**  
"Physics, Politics, and the New Puritanism," Don K. Price (Dean, John F. Kennedy School of Government, Harvard University).
- ☐ **Review of United States Science Policy (29 Dec.).**  
Arranged by Eugene B. Skolnikoff (Department of Political Science, Massachusetts Institute of Technology).
- ☐ **Sigma Xi-Phi Beta Kappa Lecture (29 Dec.).**  
Robert K. Merton (Professor of Sociology, Columbia University).

- ☐ **Frontiers of Science Lecture II (29 Dec.).**  
"Neurosciences: Man's Most Valuable Frontier," Robert B. Livingston (Department of Neurosciences, School of Medicine, University of California, San Diego).
- ☐ **Frontiers of Science Lecture III (30 Dec.).**  
"Space and the Strategy of Life," John B. Calhoun (Laboratory of Psychology, National Institute of Mental Health).
- ☐ **Panel Discussion on Science, Technology, and Latin American Development (30–31 Dec.).**  
Arranged by Harrison Brown (Professor of Geochemistry and Professor of Science and Government, California Institute of Technology, Pasadena).
- ☐ **Panel Discussion on the Financial Crisis in Science (31 Dec.).**  
Arranged by H. Bentley Glass (Academic Vice President, State University of New York at Stony Brook).
- ☐ **Panel Discussion on Goals for Dallas—Citizen Participation in Shaping the Future of a Major City. (31 Dec.).** Arranged by B. D. Godbold (Staff Director, Goals for Dallas).

## AAAS COMMITTEE SYMPOSIA

- ☐ **Committee on Science in the Promotion of Human Welfare and Scientists' Institute for Public Information**
  - Unanticipated Environmental Hazards Resulting from Technological Intrusions (28–29 Dec.). Arranged by Robert E. Light (Scientists' Institute for Public Information, New York) and Walter Modell (Cornell University Medical College).
- ☐ **Committee on Arid Lands**
  - Water Importation into Arid Lands (30–31 Dec.). Arranged by Jay M. Bagley (Utah Water Research Laboratory, Utah State University) and Terah L. Smiley (Department of Geochronology, University of Arizona).

## GENERAL SYMPOSIA

- ☐ **Genetic Technology: Some Public Considerations (26–27 Dec.).**  
Arranged by Daniel M. Singer (Federation of American Scientists, Washington, D.C.).
- ☐ **Sport and its Participants.**  
Arranged by Paul Weiss (Yale University).
  - I. The Scientific Basis for Athletic Performances (26 Dec.).
  - II. Conditioning the Human Body: Fitness for Sports and Life (27 Dec.).
  - III. Girls and Women in Play and Sport (27 Dec.).
  - IV. Psychology and Sociology of Sport (28 Dec.).
  - V. Sport and Games (28 Dec.).
- ☐ **Global Effects of Environmental Pollution (26–27 Dec.).**  
Arranged by S. Fred Singer (U.S. Department of the Interior, Washington, D.C.).
- ☐ **Art and Science—Will there be a Difference? (29 Dec.).**  
Arranged by Francis Mason (Experiments in Art and Technology, Inc., New York.).
- ☐ **Interface—Art and Technology (30 Dec.).**  
Arranged by Francis Mason.
- ☐ **Space Applications: Earth-Oriented Applications of Unmanned Satellites (28–29 Dec.).**  
Arranged by Paul Rosenberg (Paul Rosenberg Associates, Pelham, New York).
- ☐ **The Analysis and Communication of Biological Form (30 Dec.).**  
Arranged by P. C. Ritterbush (Smithsonian Institution, Washington, D.C.).

SYMPOSIA OF AAAS SECTIONS  
AND AFFILIATED SOCIETIESMathematics (A)

- ☐ **Section Program**
  - Vice Presidential Address, "Connection Between Variational Principles and Stability Phenomena" (29 Dec.), A. H. Taub (University of California, Berkeley).
  - Comparison of Einstein Theory of Gravitation and Observation (29 Dec.). Arranged by A. H. Taub (University of California, Berkeley).
- ☐ **American Mathematical Society**
  - Third Annual Symposium on Some Mathematical Questions in Biology (27 Dec.). Arranged by Murray Gerstenhaber (University of Pennsylvania).
- ☐ **National Council of Teachers of Mathematics**
  - Mathematics Education (27 Dec.). Arranged by W. K. McNabb (St. Mark's School of Texas, Dallas).
- ☐ **Association for Computing Machinery**
  - The Direction of Programming Languages for the Scientist (27 Dec.). Arranged by Stan Shannon (Godard Computer Science Institute, Dallas).

Physics (B)

- ☐ **Section Program**
  - Vice Presidential Address, "Trends in Physics Education" (29 Dec.), Stanley S. Ballard (University of Florida).
  - Physics Education for the General Public (29 Dec.). Arranged by Robert N. Little (University of Texas).
  - Does Physics Have Relevance? (30 Dec.). Arranged by Albert M. Stone (Applied Physics Laboratory, The Johns Hopkins University).
- ☐ **American Astronautical Society**
  - Bioengineering and Cabin Ecology (30 Dec.). Arranged by William B. Cassidy (LTV Aerospace Corporation, Dallas, Texas).

Chemistry (C)

- ☐ **Section Program**
  - Special Topics (26–27 Dec.). Arranged by Ralph L. Shriner (Southern Methodist University).
- ☐ **American Association of Clinical Chemists**
  - Contributed Papers (28 Dec.). Arranged by Kurt Dubowski (University of Oklahoma Medical Center).

Astronomy (D)

- ☐ **Section Program**
  - Centennial of the Birth of George Ellery Hale (27 Dec.). Arranged by Charles Weiner (American Institute of Physics).
  - Jupiter and the Outer Planets  
Arranged by Tobias Owen (IIT Research Institute).
    - I. Atmospheric Composition (29 Dec.).
    - II. Atmospheric Structure (29 Dec.).
    - III. Atmospheric Dynamics (30 Dec.).
    - IV. Problems of Planetary Origin and Subsequent Atmospheric Evolution (30 Dec.).
  - Pulsars (30 Dec.). Arranged by F. D. Drake (Cornell University).

Geology and Geography (E)

- ☐ **Section Program**
  - Antarctic Research  
Arranged by Louis O. Quam (National Science Foundation).
    - I. General (26 Dec.).
    - II. Cold Poles and Heat Balance (27 Dec.).
    - III. Conjugate Phenomena (27 Dec.).
    - IV. Dynamics of the Antarctic Ocean (28 Dec.).
    - V. Antarctic Marine and Terrestrial Ecosystems (28 Dec.).
    - VI. Glaciology (29 Dec.).
    - VII. Antarctica-Gowdaland-Continental Drift (29 Dec.).
  - Earth as a Planet (30 Dec.). Arranged by Frank Press (Massachusetts Institute of Technology).
- ☐ **Association of American Geographers**
  - Geography and Science (27 Dec.). Arranged by Albert L. Fisher (University of Utah).

- ☐ **Geological Society of America**
  - Environmental Geochemistry in Relation to Human Health and Disease (30 Dec.). Arranged by Helen L. Cannon (U.S. Geological Survey, Denver) and Howard C. Hopps (Armed Forces Institute of Pathology, Washington, D.C.).
- ☐ **National Speleological Society**
  - Biological Studies in Texas and Mexican Caves (27 Dec.). Arranged by Robert W. Mitchell and James R. Reddell (Texas Technological College).
  - Contributed Papers in Cave Geology (27 Dec.). Arranged by Dwight E. Deal (Sul Ross State College, Alpine, Texas).

#### Zoological Sciences (F)

- ☐ **Section Program**
  - Vice Presidential Address (30 Dec.). Vincent C. Dethier (Princeton University).
  - The Physiology of Fighting and Defeat (28 Dec.). Arranged by J. P. Scott (Bowling Green State University) and Basil E. Eleftheriou (Kansas State University).
- ☐ **American Fisheries Society**
  - Cytogenetics of Fishes  
Arranged by Clark Hubbs (University of Texas at Austin).
    - I. Hybridization and Genetics (27 Dec.).
    - II. Cytological Studies (27 Dec.).
    - III. Biochemical Studies (28 Dec.).
- ☐ **American Society of Zoologists**
  - Past Presidents' Symposium (29 Dec.). Arranged by Howard Bern (University of California, Berkeley).
  - Cellular Aspects of the Control of Color Changes (29 Dec.). Arranged by Ronald R. Novales (Northwestern University).
  - Contributed Papers on Comparative Endocrinology (27–28 Dec.). Arranged by A. Van Tienhoven (Cornell University).
  - Contributed Papers on Comparative Physiology (27–30 Dec.). Arranged by James Case (University of California, Santa Barbara).
  - Contributed Papers on Developmental Biology (28–31 Dec.). Arranged by Malcolm S. Steinberg (Princeton University).
  - Turnover in Biological Systems (28 Dec.). Arranged by Malcolm S. Steinberg.
  - Biology of Unpolluted Streams (27–28 Dec.). Arranged by Rezneat M. Darnell (Marquette University).
  - Ecology and Origin of Species (30 Dec.). Arranged by Rezneat M. Darnell.
  - Penetration of Calcium Carbonate Substrates by Lower Plants and Invertebrates (28–30 Dec.). Arranged by Melbourne R. Carriker (Marine Biological Laboratory, Woods Hole); Edmund H. Smith (University of the Pacific, Stockton, California); Robert T. Wilce (University of Massachusetts).
  - Contributed Papers on Invertebrate Zoology (26–27

- Dec.). Arranged by Peter E. Pickens (University of Arizona).
- Functional Morphology of the Vertebrate Kidney (29 Dec.). Arranged by Thomas S. Parsons (University of Toronto).
- Contributed Papers on Vertebrate Zoology (30–31 Dec.). Arranged by Thomas S. Parsons.
- Contributed Papers on Miscellaneous Subjects (26–28 Dec.). Arranged by Louis E. Delaney (Ithaca College).
- ☐ **Animal Behavior Society**
  - Discussions in Behavior—Maternal Behavior (28 Dec.). Arranged by John G. Vandenberg (North Carolina Department of Mental Health, Raleigh).
  - The Use of Space by Animals and Men. Arranged by Aristide H. Esser (Rockland State Hospital, Orangeburg, New York).
    - I. Relation of Territoriality to Dominance (29 Dec.).
    - II. Factors Influencing Intraspecific Contact (29 Dec.).
    - III. Population Density and Crowding (30 Dec.).
    - IV. The Role of Distance in the Evolution of Communication (30 Dec.).
    - V. Environmental Conditions and Human Behavior (31 Dec.).
  - Contributed Papers (27–31 Dec.). Arranged by John G. Vandenberg.

- ☐ **Herpetologists' League**
  - Contributed Papers (28–29 Dec.). Arranged by Wilmer W. Tanner (Brigham Young University).
- ☐ **Society of Systematic Zoology**
  - Systematic Significance of Vertebrate Brain Structure (27 Dec.). Arranged by R. Glenn Northcutt (Case-Western Reserve University).
  - Problems in Systematics of Parasites (27 Dec.). Arranged by Gerald D. Schmidt (Colorado State University).
  - Marine Burrowing Organisms (27 Dec.). Arranged by Bob F. Perkins (Louisiana State University).
  - Contributed Papers (29 Dec.). Arranged by Robert P. Higgins (Wake Forest University).

#### Biological Sciences (FG)

- ☐ **American Institute of Biological Sciences**
  - Biology and Society (27 Dec.). Arranged by Paul DeHart Hurd (Stanford University).
- ☐ **American Society of Naturalists**
  - DNA Content and Gene Multiplicity in Higher Organisms (30 Dec.). Arranged by Clement L. Markert (Yale University).
- ☐ **Beta Beta Beta Biological Society**
  - Biennial Business Meeting (28 Dec.). Arranged by Louise F. Bush (Drew University).
- ☐ **Ecological Society of America**
  - Adaptations of Intertidal Organisms (27–28 Dec.). Arranged by Charles M. Lent (Beloit College).
  - Contributed Papers (27–30 Dec.). Arranged by Carl D. Monk (University of Georgia).

- Physiological Ecology of Amphibians (29–30 Dec.). Arranged by Victor H. Hutchison (University of Rhode Island).

☐ The Society for the Study of Evolution

- Contributed Papers (30 Dec.). Arranged by David L. Jameson (University of Houston).

Botanical Sciences (G)

☐ Section Program

- Vice Presidential Address, "The Role of a Botanical Garden in a Modern University" (28 Dec.). Warren H. Wagner, Jr. (University of Michigan).
- Grasslands of Southern Central North America (27 Dec.). Arranged by Calvin McMillan (University of Texas at Austin).
- Biosatellite II Experiment Results (28 Dec.). Arranged by Joseph F. Saunders (National Aeronautics and Space Administration, Washington, D.C.).

Anthropology (H)

☐ Section Program

- Vice Presidential Address, "Physical Anthropology: The Search for General Processes and Principles" (27 Dec.). Gabriel W. Lasker (Wayne State University).
- The Prehistory of the Nile Valley (26 Dec.). Arranged by Fred Wendorf (Southern Methodist University).
- The Anthropology of Bone (27 Dec.). Arranged by Edward I. Fry (Anthropology Research Center, Southern Methodist University, Dallas).
- Environment and Prehistory from Woodlands to Desert (28 Dec.). Arranged by L. E. Mott Davis and Dee Ann Story (University of Texas, Austin).
- Problems of Relationship between Nutrition and Culture (29 Dec.). Arranged by Herbert Birch (Albert Einstein College of Medicine, New York).
- Cultural Contacts in the Southwest (29 Dec.). Arranged by George L. Trager (Southern Methodist University).
- Contributed Papers (30 Dec.). Arranged by Anthony Leeds (University of Texas, Austin).
- Ideology and Social Change in Latin America (30 Dec.). Arranged by June Nash (University College of Arts and Science, New York University).

Psychology (I)

☐ Section Program

Arranged by Dalos D. Wickens (Ohio State University).

- Vice Presidential Address, "Stimulus Selection and Classical Condition" (29 Dec.), Dalos D. Wickens.
- The Control of Human Behavior (29 Dec.).
- Psychophysiological Correlates of Human Performance (29 Dec.).

☐ American Speech and Hearing Association

- Sensory Feedback in Human Behavior (30 Dec.). Arranged by J. Donald Harris (University of Connecticut).

Social and Economic Sciences (K)

☐ Section Program

- Vice Presidential Address, "What in the New Comparative Studies is Novel in Principle?" (28 Dec.), Guy E. Swanson (University of Michigan).
- Science and Public Policy Workshop (30 Dec.). Arranged by Eugene B. Skolnikoff (Massachusetts Institute of Technology).

☐ American Sociological Association

- Comparative Sociology and Contemporary Social Issues. Arranged by Reuben Hill (University of Minnesota).
  - I. Theoretical and Methodological Issues in Comparative Sociology (28 Dec.).
  - II. Cross-National Comparisons of the Generation Gap and the Growth of Civil Protests and Political Participation (29 Dec.).
  - III. Comparative Analysis of Social Inequalities (29 Dec.).
  - IV. Socialization for Achievement: Cross-Cultural and Cross-Class Comparisons (30 Dec.).

☐ American Society of Criminology

- Arranged by Donal E. J. MacNamara (The City University of New York).
- Criminology and Corrections: Bridging the Gap between Theory and Practice (28 Dec.).
- Research Papers in Juvenile Delinquency (28 Dec.).

☐ National Institute of Social and Behavioral Science

- Contributed Papers (28 Dec.). Arranged by Donald P. Ray (863 Benjamin Franklin Station, Washington, D.C.).

☐ Society for the Scientific Study of Religion

- Values and Metaphysics in Science (30 Dec.). Arranged by Morton King (Southern Methodist University).
- Measuring Individual Differences in Religion (30 Dec.). Arranged by R. L. Gorsuch (Peabody College).

History and Philosophy of Sciences (L)

☐ Section Program

- Vice Presidential Address, "Review of the History of the Development of the Energy Concept up to the Publication of Lagrange's 'Mécanique Analytique' (1788)" (28 Dec.), Robert Bruce Lindsay (Brown University).
- Energy and Society (28 Dec.). Arranged by R. B. Lindsay (Brown University) and Melvin Kranzberg (Case-Western Reserve University).

☐ History of Science Society

- New Directions in 17th Century Research (28 Dec.). Arranged by Allen G. Debus (University of Chicago).
- Science and Society in Nineteenth-Century Britain (29 Dec.). Arranged by George Basalla (University of Texas).
- Genetics in the Late Nineteenth and Early Twentieth Century (29 Dec.). Arranged by Frederick L. Holmes (Yale University).

- Work in Progress (30 Dec.). Arranged by Richard S. Westfall (Indiana University).

#### ☐ Society for the History of Technology

- Topics in the History of Technology (27 Dec.).
- Industrial Archeology (27 Dec.). Arranged by James C. Hippen (Merrimack Valley Textile Museum, North Andover, Massachusetts) and Robert M. Vogel (Smithsonian Institution).
- Technology and Values (29 Dec.). Arranged by Emmanuel G. Mesthene (Harvard University).
- Technology as a Social Process in Africa (29 Dec.). Arranged by Thomas R. De Gregori (University of Houston).

#### ☐ Society for General Systems Research

- Meta Language Dialogues and Metaphorical Synthesis in Education (26 Dec.).
- The Analysis and Evaluation of a Scientific Field (28 Dec.).
- Social Systems in the General Systems Spectrum (28 Dec.).
- Systems Research in Organization and Management (29 Dec.).
- Conflict Resolution and Arms Control (30 Dec.).

### Engineering (M)

#### ☐ Section Program

- Space Applications: Earth-Oriented Applications of Unmanned Satellites. Arranged by Paul Rosenberg (Paul Rosenberg Associates, Pelham, New York).
  - Earth Observation (28 Dec.).
  - Earth Resources (28 Dec.).
  - Communications, Navigation, and Public Policy (29 Dec.).
  - Panel Discussion and Summary (29 Dec.).

### Medical Sciences (N)

#### ☐ Section Program

- The Control of Fertility (27 Dec.). Arranged by Hudson Hoagland (Worcester Foundation for Experimental Biology).
- Molecular Approaches to Learning (30 Dec.). Arranged by William L. Byrne (University of Tennessee at Memphis).
- Molecular Approaches to Mental Retardation (31 Dec.). Arranged by Robert E. Cooke (The Johns Hopkins University Medical School).

#### ☐ Alpha Epsilon Delta

- Career Opportunities in the Health Professions (28 Dec.). Arranged by Virgil Tweedie (Baylor University).

#### ☐ American Association of Bioanalysts

- Some Concepts and Trends in Clinical Bioanalysis (28 Dec.). Arranged by Morton D. Prager (Southwestern Medical School, Dallas).

### Dentistry (Nd)

#### ☐ Section Program

Arranged by Barnet M. Levy (University of Texas Dental Science Institute, Houston).

- Mucous Membranes and Their Secretions (27-28 Dec.).

### Pharmaceutical Sciences (Np)

#### ☐ Section Program

Arranged by Joseph A. Oddis (American Society of Hospital Pharmacists, Washington, D.C.).

- Luncheon and Vice Presidential Address, "Some Thoughts on Research" (27 Dec.), Andre Archambault (University of Montreal).
- Contributed Papers (27-28 Dec.).
- Distinguished Lecture, "Newer Developments in Cancer Chemotherapy" (28 Dec.), Arnold Welch (The Squibb Institute for Medical Research).

### Agriculture (O)

#### ☐ Section Program

Arranged by Daniel G. Aldrich, Jr. (University of California, Irvine).

- Research for the World Food Crisis (27 Dec.).
- New Frontiers of Agricultural Research (28 Dec.).

### Industrial Science (P)

#### ☐ Section Program

- Luncheon and Retiring Vice Presidential Address, "Evaluating Research Results—Before and After" (30 Dec.), Allen V. Astin (National Bureau of Standards).
- Continuing Education for Engineers—Policy and Operating Issues (28 Dec.). Arranged by Zola Bronson (National Science Foundation).
- Current State of Research Management (30 Dec.). Arranged by Gordon K. Teal (Texas Instruments, Inc.).
- The Current State and Outlook for Research-on-Research (30 Dec.). Arranged by D. W. Collier (Borg-Warner Corporation, Chicago).

### Education (Q)

#### ☐ Section Program

- Vice Presidential Address, "Education for Societies in Transition" (27 Dec.), Willard J. Jacobson (Columbia University).
- New Developments in Education Technology
 

Arranged by Harvey J. Brudner (Westinghouse Learning Corporation, New York).

  - Computers in Education (26 Dec.).
  - Communications and Multi-Media in Education (27 Dec.).
  - Individualized Instruction (28 Dec.).
- Education and Societies in Transition (27 Dec.). Arranged by Willard J. Jacobson (Columbia University).
- Individually Prescribed Instruction (28 Dec.). Arranged by David K. Krathwohl (American Educational Research Association, Syracuse, New York).

- Science Education as It Relates to Technical Education (29 Dec.). Arranged by Jerry S. Dobrovolsky (University of Illinois).

☐ American Nature Study Society

- Science, Education, and Society. Arranged by Mrs. J. Lewis Scott (Carnegie Museum, Pittsburgh).
- Science, Education, and Society
  - I. Unified Knowledge of Man and Environment (27 Dec.).
  - II. The System, Socio-Economic-Political, and Ecosystems (28 Dec.).
  - III. Tailoring Outdoor Programs to Community Needs (29 Dec.).

☐ Commission on Undergraduate Education in the Biological Sciences

- Arranged by Edward Kormondy (1717 Massachusetts Avenue, NW, Washington, D.C.).
- Teaching-Research: Does Research Have a Beneficial Effect on Teaching? (28 Dec.).
  - Biology in the Two-Year College (29 Dec.).

☐ National Science Teachers Association

- Arranged by Albert F. Eiss (National Science Teachers Association, Washington, D.C.).
- Developing Scientific Literacy in College Science Courses (28 Dec.).
  - A Systems Approach to Science Education (29 Dec.).

☐ Science Teaching Societies

- The Role of Science Education in an Urban Environment (29 Dec.). Arranged by Paul J. Cowan (Northern Texas State University).

☐ Science Courses for Baccalaureate Education

- Integrated Science as Base for Social and Cultural Progress (30 Dec.). Arranged by V. L. Parsegian (Rensselaer Polytechnic Institute).

Information and Communication (T)

☐ Section Program

- Vice Presidential Address, "Hangups in Information Networks" (30 Dec.), J. C. R. Licklider (Massachusetts Institute of Technology).
- Educational Television—An Assessment (28 Dec.). Arranged by Barry Cole (School of Communication, University of Texas, Austin).
- Science and the Television Media (28 Dec.). Arranged by David Prowitt (National Educational Television Network, New York).
- Science-Knowledge Communications Interfaces (30 Dec.). Arranged by Dale B. Baker (Director, Chemical Abstracts Service).

☐ Society of Technical Writers and Publishers

- Technical Publications: Job Patterns and Qualifica-

tions (27 Dec.). Arranged by Ethaline Cortelyou (National Institutes of Health).

Statistics (U)

☐ Section Program

- Vice Presidential Address, "Problems of Communications Between Biologists and Statisticians" (30 Dec.), Chester I. Bliss (Connecticut Agricultural Experiment Station).
  - Statistical Organizations and Social Problems (27 Dec.). Arranged by Ezra Glaser (U.S. Department of Health, Education, and Welfare).
  - New Methodology in Classification (28 Dec.). Arranged by Rosedith Sitgreaves (Columbia University).
  - Empirical Sampling Studies (28 Dec.). Arranged by M. Bryan Danford (School of Aerospace Medicine, Brooks Air Force Base, Texas).
  - Implications of Educational Statistics in Formulations of Federal Policy (29 Dec.). Arranged by Dorothy M. Gilford (U.S. Office of Education).
  - Biological Rhythms (30 Dec.). Arranged by Rosedith Sitgreaves.
  - Radioimmuno Assays (30 Dec.). Arranged by Rosedith Sitgreaves.
- ☐ Biometric Society
- Random Counts in Scientific Work (26-27 Dec.). Arranged by G. P. Patil (Pennsylvania State University).

General Science (X)

☐ Academy Conference

- Dinner and Presidential Address (27 Dec.), John H. Melvin (Ohio State Academy of Science, Columbus, Ohio).
- Budgetary Problems of Academies (27 Dec.). Arranged by V. Elving Anderson (University of Minnesota).
- Collegiate Academies of Science (27 Dec.). Arranged by V. Elving Anderson.

☐ American Junior Academy of Science

- Papers in Physical and Biological Sciences (28 Dec.). Arranged by E. L. Wisman (Virginia Polytechnic Institute).

☐ Cooperative Committee on the Teaching of Science and Mathematics

- The Flight from Science (29 Dec.). Arranged by Arnold A. Strassenburg (American Institute of Physics).

☐ Sigma Delta Epsilon

- Problems in Feeding the Hungry (29 Dec.). Arranged by Helen R. Skeggs (Merck Institute of Therapeutic Research, West Point, Pennsylvania).

*Reports on symposia taking place at the AAAS Annual Meeting (26-31 December 1968) appear in the following issues of Science: 13 September, "Sport and Its Participants," and 20 September, "The Control of Fertility." Hotel reservation forms and meeting and tour registration forms will appear in Science every other week from now on.*



### ADVANCE REGISTRATION FORM

Mail to: American Association for the Advancement of Science, Dept. R, 1515 Massachusetts Ave., NW,  
Washington, D.C. 20005

(Advance Registration accepted only until 29 November)

- ☐ Enclosed is \$10 Registration Fee (*Program* and Convention Badge)
- ☐ Enclosed is \$15 Registration Fee (including spouse) (*Program* and Convention Badges)
- ☐ Enclosed is \$5 Student Registration Fee (16 years and older) (*Program* and Convention Badge)
- ☐ Enclosed is \$5 for the *Program* only (To be mailed 1 December)
- ☐ Enclosed is \$..... for tours

PLEASE PRINT OR TYPE

NAME: \_\_\_\_\_  
(Last) (First) (Middle Initial)

AAAS  
Member

Yes  
☐

No  
☐

MULTIPLE REGISTRATION: \_\_\_\_\_  
(List student's full name. Attach list if space is insufficient.)

MAILING ADDRESS: \_\_\_\_\_  
(For receipt of *Program*) (Street) (City/State) (Zip Code)

INSTITUTION OR  
COMPANY AFFILIATION: \_\_\_\_\_  
\_\_\_\_\_  
(City) (State) (Zip Code)

FIELD OF INTEREST: \_\_\_\_\_

CONVENTION ADDRESS: \_\_\_\_\_

### APPLICATION FOR HOTEL RESERVATIONS

Please print or type and mail to: AAAS Housing, Dallas Convention Bureau, 1507 Pacific Avenue, Dallas, Texas 75201  
(Reservations received after 13 December cannot be assured.)

CHOICE OF HOTEL: First \_\_\_\_\_ Second \_\_\_\_\_ Third \_\_\_\_\_

ROOM: ☐ Single ☐ Double ☐ Twin ☐ Suite Preferred rate \$ \_\_\_\_\_

Number in party \_\_\_\_\_ sharing this room will be (list name and address of each person, including your own):  
\_\_\_\_\_  
\_\_\_\_\_

ARRIVAL: Date \_\_\_\_\_; \_\_\_\_\_ AM, \_\_\_\_\_ PM

DEPARTURE: Date \_\_\_\_\_; \_\_\_\_\_ AM, \_\_\_\_\_ PM

Be sure to list definite arrival and departure date and time. Hotel reservations will be held *only* until 6 PM unless otherwise specified.

NAME: \_\_\_\_\_  
(Individual requesting reservation)

ADDRESS: \_\_\_\_\_  
(Street) (City and State) (Zip Code)



## Tours at the AAAS Annual Meeting

The AAAS is pleased to offer tours to institutions of particular scientific interest for registrants at the Association's annual meeting. Personally conducted tours arranged by officials of each institution will afford the visitor a unique opportunity to see special exhibits, displays, behind-the-scenes operations, and scientific activities of various kinds which are not usually seen by the general public. Attendance at each site is necessarily limited in order to give the visitor full opportunity to see and hear about work in progress. At some locations refreshments will be served by the host institution. Details on the special attractions at each site will be published in later issues of *Science*.

Chartered buses will provide round-trip transportation from the Statler-Hilton Hotel. Afternoon tours will return to the Statler-Hilton Hotel no later than 6 p.m. Ticket sales are limited to registrants. A fee of \$2.00 per person is charged for each tour to cover transportation costs. Your ticket is your receipt and is required for transportation and admission. Tickets will be mailed with the *Program* and convention badge. Advance registration for tours will not be accepted after 29 November. Tickets for spaces unsold by 29 November will be on sale at the AAAS Tours desk in the registration area at the Statler-Hilton Hotel, starting 26 December.

Please use the form to register for tours. Indicate the number of tickets you wish to order for each tour and enclose payment of \$2.00 for each ticket ordered.

Since attendance at each site is limited, early registration is recommended. Refund requests on tour tickets cannot be accepted after 18 December.

### AAAS Tour Registration

Number  
of tickets

Price of tickets is \$2.00 each

.....	Texas Instruments, Inc., 27 December, 9:00 a.m.-noon
.....	Ling-Temco-Vought, Inc., 27 December, 2:00-5:00 p.m.
.....	Callier Hearing and Speech Center, 28 December, 10:00 a.m.-noon
.....	Amos Carter Museum, Fort Worth, 28 December, 1:00-5:00 p.m.
.....	Dallas Museum of Fine Arts, 29 December, 1:00-4:00 p.m.
.....	Ling-Temco-Vought, Inc., 30 December, 9:00 a.m.-noon
.....	Texas Instruments, Inc., 30 December, 2:00-5:00 p.m.
.....	Southwest Center for Advanced Studies, 30 December, 2:00-5:00 p.m.

Total number of tickets ..... Total amount remitted for tours \$ .....

Please indicate on reverse side total amount remitted for tours.

The American Association for the Advancement of Science will hold its 1968 Annual Meeting in Dallas, Texas, 26-31 December. The Adolphus (1321 Commerce), Baker (1400 Commerce), Sheraton-Dallas (Southland Center), and Statler-Hilton (1914 Commerce) hotels will be used for housing. All the hotels will have Registration Centers.

#### HOTEL RATES\* (Per Day)

HOTEL	SINGLE	DOUBLE	TWIN	SUITES†	PARKING
Adolphus	\$10-14	\$14-17	\$15-18	\$35-up	Free
Baker	11-17	14-20	16.50-20	32-75	Free
Sheraton-Dallas	13	18	18	42-61	\$1.50
Statler-Hilton	13	18	18	36.50-76	Free

\*All rooms are subject to a 3% city transient room tax. † Rates for suites, parlor and one to three bedroom. There is a charge of \$4.00 for cots.