



Annual Meeting
Washington
3-8 January 1982

Chronological Summary of Symposia and Lectures

Building Knowledge and Understanding: Enduring Assets of Society

The AAAS Annual Meeting always offers many events on each day. To help you plan in advance, we have compiled a chronological summary of symposia and public lectures.

Part I, below, covers these events from Sunday, 3 January, through Tuesday, 5 January. Part II, with the remaining three days of the meeting (6-8 January) will appear in the 13 November issue of Science. For schedules of the AAAS Tours and the Science Film Festival, please see the 2 October issue.

Sunday, 3 January

9:00 a.m.-12:00 noon Workshop

- Communicating Science to the Public (*Session 1*)

1:30 p.m.-4:30 p.m. Sessions

- Youth Symposium: Lectures, and Conversations With Scientists
- Workshop: Communicating Science to the Public (*Session 2*)
- The Support of Scientific Research in the Eighties

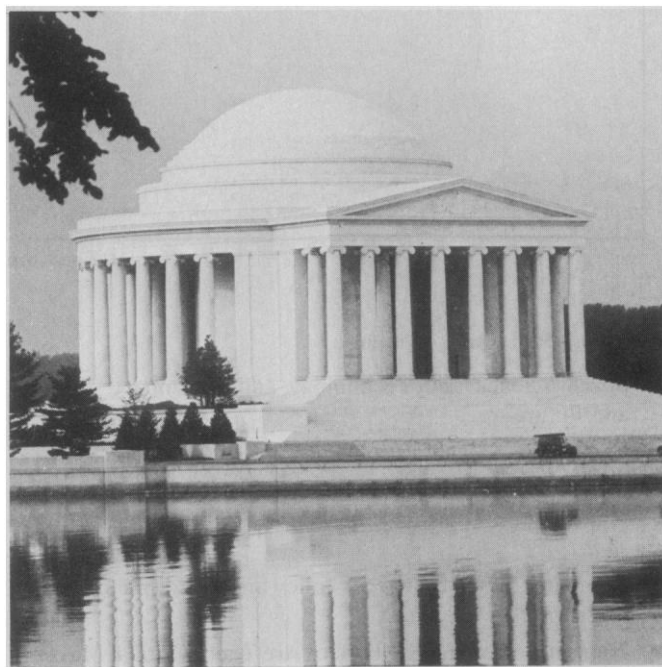
8:30 p.m.-9:30 p.m. AAAS Keynote Lecture

- Speaker: *To be announced.*

Monday, 4 January

9:00 a.m.-12:00 noon Symposium

- Special Issues in Laboratory Safety
- The Weather of Other Planets
- Computer Based Sciences: Policy and Performance Issues (*Session 1*)
- Nuclear Power and the Public: Are There Critical Masses? (*Session 1*)
- Biological Generation and Detection of Magnetic Fields
- Human Embryo and Gene Manipulation: State of the Art, Ethics, and Public Policy
- Mechanisms of Major Evolutionary Change (*Session 1*)
- The Global 2000 Report to the President: The Authors Update Their Work
- Estimating the Value of Endangered Species of Plants: Responsibilities and Role of Scientific Community
- Medical Frontiers: Substitute Organs

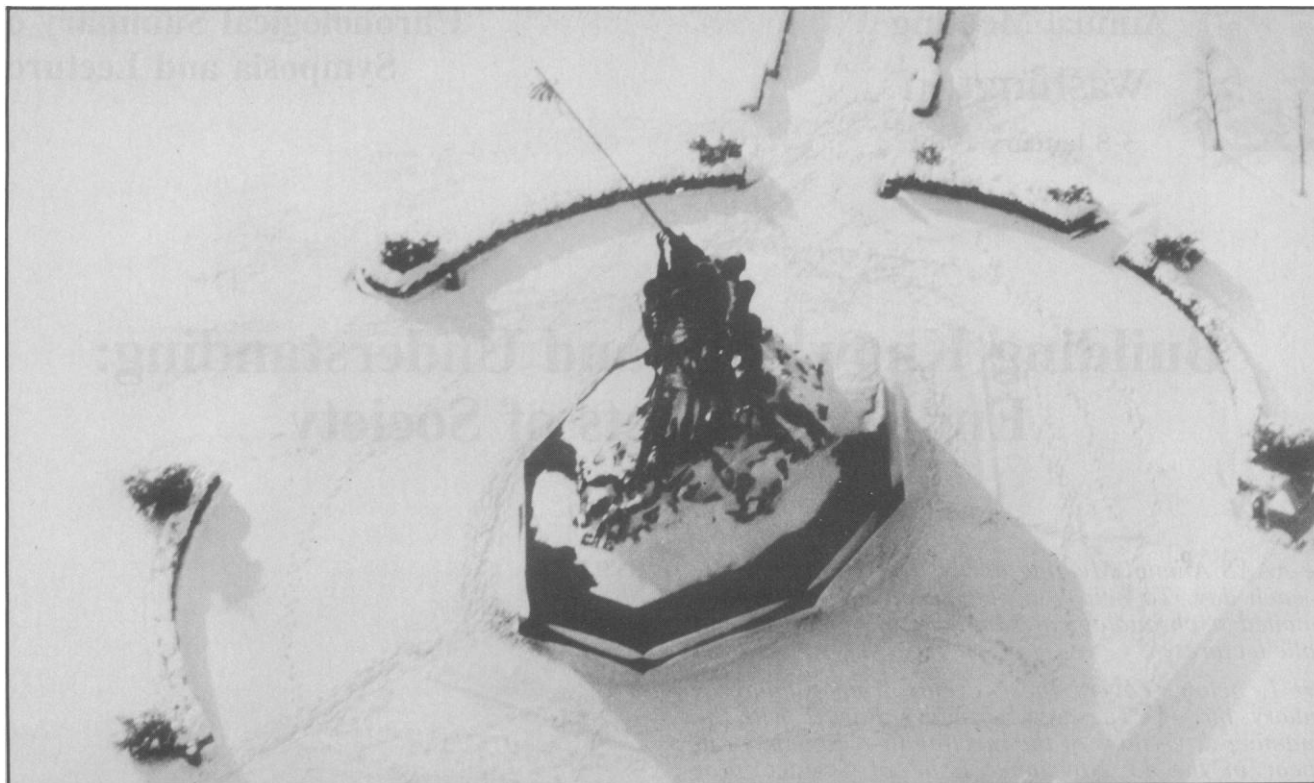


The Thomas Jefferson Memorial overlooking the Tidal Basin.

- Risk Estimates for Medical Diagnostic Radiation Procedures
- The Brain Sciences and Education
- Child Development and International Development: Research-Policy Interfaces
- Aging From Birth to Death: Biosocial Perspectives
- If Japan Can, Why Don't We? New Managerial and Methodological Issues in Quality and Productivity (*Session 1*)
- Science and Belief: I. The Interface
- The Changing Role of the Mathematical and Computer Sciences in Precollege Education
- The Politics of Science and the Role of Strategic Planning (*Session 1*)
- The Biological and Health Effects of the Nuclear Industry and Nuclear Weapons: A Current Evaluation (*Session 1*)

1:30 p.m.-2:30 p.m. AAAS Public Lecture

- Speaker: *Ian M. Ross*



The U.S. Marine Corps War Memorial in winter.

2:30 p.m.–5:30 p.m. Symposia

- Space Science and Technology and Its Impact: Present and Future
- Chemically Solvable Problems
- Paradoxes of Western Energy Development: How Can We Maintain the Land and the People if We Develop? (*Session 1*)
- Computer Based Sciences: Policy and Performance Issues (*Session 2*)
- Nuclear Power and the Public: Are There Critical Masses? (*Session 2*)
- Biological Processes at Deep Sea Hydrothermal Vents
- The Genetics of Mitosis and Meiosis
- Mechanisms of Major Evolutionary Change (*Session 2*)
- Human Impacts on Global Resources: Disciplinary Approaches and Research
- Technical and Policy Aspects of Water Use in Agriculture
- Can We Prevent Organ Grafts From Failing? Studies on Large Populations as Guides to Policy and Practice
- The End of Isolation: Speech Prostheses
- Enduring and Reversible Effects of Early Experience
- Appropriate Technology: The New Elegance in an Age of Constraints
- Quality of Federal Statistics: Research, Programmatic, and Policy Implications
- If Japan Can, Why Don't We? New Managerial and Methodological Issues in Quality and Productivity (*Session 2*)
- Science and Belief: II. Problems for Science Education
- The Developing Crisis in the Mathematics Classroom: Causes and Some Cures

- The Politics of Science and the Role of Strategic Planning (*Session 2*)
- The Biological and Health Effects of the Nuclear Industry and Nuclear Weapons: A Current Evaluation (*Session 2*)

8:30 p.m.–9:30 p.m. AAAS Public Lecture

- Speaker: *The Hon. James B. Hunt, Jr.*

Tuesday, 5 January

9:00 a.m.–12:00 noon Symposia

- Frontiers of the Social Sciences (*Session 1*)
- Grand Unification in Elementary Particle Physics and Cosmology (*Session 1*)
- Paradoxes of Western Energy Development: How Can We Maintain the Land and the People if We Develop? (*Session 2*)
- The Software Explosion: Issues in Software Technology, Measurement, and Evaluation Through Human Engineering and Management Perspectives
- International Progress in Energy Conservation, 1972–1982
- International Cooperation in Ecological Research: Strengths, Weaknesses, and Future Needs
- Molecular and Cellular Biology of the Lens
- Terminal Cretaceous Extinction: A Comparative Assessment of Causes (*Session 1*)
- Life on Earth is Getting Better—Or Is It?
- Agricultural Land Use: Emerging Pressures
- Advances in Control of Dental Caries
- The Applications of NMR to Biology and Medicine (*Session 1*)
- Beyond Cerebral Laterality: New Methods Reveal the

Interaction of Many Areas of the Brain During Mental Activities

- The Ecosystem Concept in Anthropology (*Session 1*)
- Organizational Demography and Labor
- Environmental Consequences of the Clean Air Act Reauthorization
- Science and the Humanities (*Session 1*)
- Multiple Criteria Decision Making (*Session 1*)
- Saving and Using Our Human Scientific Resources
- Who Controls Scientific Data? (*Session 1*)
- Chemical and Biological Warfare: Past, Present, and Future

1:30 p.m.–2:30 p.m. AAAS Public Lecture

- Speaker: *James G. March*

2:30 p.m.–5:30 p.m. Symposia

- Frontiers of the Social Sciences (*Session 2*)
- Science—The Beginning of a Great Adventure
- Grand Unification in Elementary Particle Physics (*Session 2*)
- Paradoxes of Western Energy Development: How Can We Maintain the Land and the People if We Develop? (*Session 3*)
- Innovations in Manufacturing
- Fuels and Chemicals From Oilseeds: Technology and Policy Options

- Mutualism: New Ecological Theories
- The Protein Folding Problem
- Terminal Cretaceous Extinction: A Comparative Assessment of Causes (*Session 2*)
- The Global 2000 Report on Population, Resources, and Environment: Implications for American Education
- The Urban-Rural Connection: New Links Between Food Producers and Consumers
- Research Advances in Sickle Cell Disease
- The Applications of NMR to Biology and Medicine (*Session 2*)
- Aspects of Mathematical Performance by Males and Females
- The Ecosystem Concept in Anthropology (*Session 2*)
- Comparison of Voting Systems
- The Changing Regulatory Climate: Implications for Environmental Research
- Science and the Humanities (*Session 2*)
- Multiple Criteria Decision Making (*Session 2*)
- Science and Engineering Education for Minorities: An Agenda for the Eighties
- Who Controls Scientific Data? (*Session 2*)
- Soviet Policies and U.S. Response on Arms Control and National Security

8:30 p.m.–9:30 p.m. AAAS Public Lecture

- Speaker: *Robert L. Hohlfelder*

*AAAS cordially invites you
to view the exhibits at
the upcoming AAAS
Annual Meeting
& Exhibit.*

Over a hundred exhibitors are expected. They will include leading book, magazine, and journal publishers; government programs and agencies; educational displays sponsored by major industries; computer manufacturers; and scientific instrument makers.



**The AAAS Exhibit
4–7 January 1982
Exhibit Hall, Concourse Level
The Washington Hilton**

Hours: 4–7 January 1982—10 am–5 pm
5 & 6 January 1982—10 am–4 pm
& 5:30–7 pm

Luncheon will be available daily in the Exhibit Hall. A cash bar will be open there on the evenings of the 5th and the 6th.

Name of Registrant: _____
(Last Name) (First and Initial)

Registrant's Institution or Company: _____

Registrant's Mailing Address: _____
[For receipt of program(s), badges, and *Science* (for new applicants)]
(Street) _____
(City/State or Province) _____ (Zip Code) _____

Name of Spouse Registrant: _____
(Last Name) (First and Initial)

Other Additional Registrants: _____
(With same mailing address. Use new form if address differs.)

Convention Address: _____
(Where you can be reached) (Hotel and/or Phone No.) _____
Check days attending: Sun Mon Tue Wed Thu Fri

☐ Please check here if you need special services due to handicap. We will contact you prior to the meeting.

- Please check appropriate boxes, complete remainder of form (type or print), and enclose payment or charge to credit card below.
- Preconvention Program, badge, and voucher for full Program and Abstracts will be mailed to registrants in early December.
- Full Program and Abstract Volume can be picked up at *Advance Registrants' Desks* at the Washington Hilton or the Capital Hilton.
- Registrations received after 14 December will be held at the AAAS Information Booth at the Washington Hilton.
- Refund requests for registration fees must be made by letter or telegram prior to 28 December 1981 and will be honored after the Annual Meeting. No refunds are made on cancellation notices received after this date.
- Special one-day attendance registration will be available at on-site Registration Desks only.

Registration Category	Regular		Student or Retired	
	Single	Double	Single	Double
<input type="checkbox"/> AAAS Member	<input type="checkbox"/> \$34	<input type="checkbox"/> \$50	<input type="checkbox"/> \$17	<input type="checkbox"/> \$25
<input type="checkbox"/> Non-Member:				
<input type="checkbox"/> Meeting registration only	<input type="checkbox"/> \$43	<input type="checkbox"/> \$60	<input type="checkbox"/> \$21	<input type="checkbox"/> \$30
<input type="checkbox"/> Register and join: Single membership	<input type="checkbox"/> \$77	<input type="checkbox"/> \$93	<input type="checkbox"/> \$44	<input checked="" type="checkbox"/> \$52
<input type="checkbox"/> Register and join: Double membership		<input type="checkbox"/> \$105		<input type="checkbox"/> \$64

Students: Fulltime undergraduate or graduate students only.

Double Membership (registrant & spouse) includes single subscription to *Science* (51 issues per year).

1981 Membership Dues: Regular Member, \$43; Student or Emeritus, \$27; Spouse or Emeritus without *Science*, \$12.

Inquire for Canadian and other foreign rates.

Specify name of new member for single membership: _____

Charge to my ☐ VISA or ☐ MASTERCARD

Account No. _____ Expiration Date _____

Cardholder's Name _____ Signature _____
(Please print)

SURVEY OF ATTENDANTS

Annual Meeting, Washington, D.C. 3-8 January 1982

Your answers to the following questions will help us to plan future Annual Meetings. Please complete the form and either return it with your registration form or send in separately (to the same address) if you wish to respond anonymously (the two forms will be processed separately).

Principal Professional Interest		Principal Professional Activity		Institutional Affiliation Type	
11 <input type="checkbox"/> Physical, mathematical	21 <input checked="" type="checkbox"/> Teaching, education	31 <input type="checkbox"/> University, 4-year college			
12 <input type="checkbox"/> Biological, medical	22 <input type="checkbox"/> Health practice	32 <input checked="" type="checkbox"/> Other educational			
13 <input checked="" type="checkbox"/> Engineering	23 <input type="checkbox"/> Other practice, consulting	33 <input type="checkbox"/> Industrial, commercial			
14 <input type="checkbox"/> Social, behavioral	24 <input type="checkbox"/> Research, development	34 <input checked="" type="checkbox"/> Other Private			
15 <input type="checkbox"/> Science policy	25 <input type="checkbox"/> Administration	35 <input checked="" type="checkbox"/> Government			
16 <input type="checkbox"/> (other) _____	26 <input type="checkbox"/> (other) _____	36 <input type="checkbox"/> (other) _____			
Highest Educational Level		Number of Past AAAS Meetings Attended		Distance Traveled to Meeting	
41 <input type="checkbox"/> Doctoral Degree	51 <input type="checkbox"/> Under 26 years	61 <input checked="" type="checkbox"/> None		71 <input checked="" type="checkbox"/> Under 51 miles	
42 <input type="checkbox"/> Master's Degree	52 <input checked="" type="checkbox"/> 26 to 35 years	62 <input type="checkbox"/> One		72 <input checked="" type="checkbox"/> 51 to 150 miles	
43 <input type="checkbox"/> Other professional	53 <input type="checkbox"/> 36 to 45 years	63 <input type="checkbox"/> Two		73 <input type="checkbox"/> 151 to 400 miles	
44 <input checked="" type="checkbox"/> Bachelor's Degree	54 <input type="checkbox"/> 46 to 55 years	64 <input type="checkbox"/> Three		74 <input checked="" type="checkbox"/> 401 to 1000 miles	
45 <input type="checkbox"/> (other) _____	55 <input type="checkbox"/> 56 to 65 years	65 <input type="checkbox"/> Four		75 <input type="checkbox"/> 1001 to 3000 miles	
	56 <input checked="" type="checkbox"/> Over 65 years	66 <input type="checkbox"/> Five or more		76 <input checked="" type="checkbox"/> Over 3000 miles	



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ADVANCE
REGISTRATION
(C)

MAIL TO:
AAAS—DEPT. R
1515 Massachusetts Ave., NW
Washington, D.C. 20005

MAIL TO: AAAS Housing Bureau
1575 Eye Street, N.W.
Suite 250
Washington, D.C. 20005

HOTEL RESERVATIONS

**Annual Meeting
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Send confirmation to:

Name _____ Street _____
City _____ State _____ Zip _____ Phone No. _____

Other occupants of room:

Name _____ Name _____

Choice of hotel: 1. _____ 2. _____ 3. _____

Room: ☐ Single ☐ Double ☐ Twin **Suite:** ☐ 1 Bedroom ☐ 2 Bedrooms **Preferred Rate:** \$ _____

Please indicate special housing needs due to a handicap: ☐ Wheelchair accessible room.

Other: _____

Arrival Date: _____ **Time:** _____ ☐ a.m. ☐ p.m.

Departure Date: _____ **Time:** _____ ☐ a.m. ☐ p.m.

Be sure to list definite arrival and departure date and time. Reservations will be held only until 6 p.m. unless accompanied by 1 night's deposit.

- All hotel reservations must be submitted to the AAAS Housing Bureau in writing (use form above; type or print).
- Reservations must be received by the Housing Bureau **not later than 14 December 1981**; reservations received after that date are conditional upon space availability at the hotels.
- Rooms are assigned on a first come, first served basis. If room rate requested is no longer available, the next available higher rate will be assigned.
- Confirmation will come directly from the hotel. All changes and cancellations must be made in writing (not by phone) through the AAAS Housing Bureau.

HOTEL RATES*

Hotel	Single	Double & Twin	Parlor + 1 Bedrm.	Parlor + 2 Bedrms.	Parking (rates subject to change)
Washington Hilton <i>Headquarters Hotel</i> 1919 Connecticut Ave., N.W. (No. of rooms: 1,000)	\$51 68 81	\$66 83 96	\$175 and up	\$271 and up	\$5.00 per 24 hrs. with in & out privileges for registered guests only. Inquire for hourly rates.
Capital Hilton 16th and K Streets, N.W. (No. of rooms: 500)	\$45 63 81	\$65 83 96	\$225 and up	\$300 and up	\$4.75 per 24 hrs. (no in & out privileges) at PMI Garage on L St. adjacent to hotel. Inquire for other rates.
Highland Hotel 1914 Connecticut Ave., N.W. (No. of rooms: 75)	\$45	\$55	\$75	_____	No parking on premises. Commercial parking in Universal Bldg. across street @ \$4.50 per 24 hrs. (no in & out privileges).
Holiday Inn 1900 Connecticut Ave., N.W. (No. of rooms: 100)	\$45	\$55	_____	_____	Limited indoor parking (cars only) free of charge for registered guests only.

*Add 10% D.C. sales tax and 80¢ per night room occupancy tax.

Charges for roll-away beds: Washington Hilton and Capital Hilton, \$15/night; Highland Hotel, \$10/night; Holiday Inn, \$8/night.

Children are accommodated free of charge in same room with parents if no extra beds are required. Age limits are as follows: Washington Hilton and Capital Hilton, no age limit; Highland Hotel, 14 and under; Holiday Inn, 19 and under.

Buy Your Airline Tickets Now!

Air fares, unlike aircraft, seem to be going in only one direction—up. The AAAS Annual Meeting starts on the last day of the New Year's weekend, when post-holiday travel is at its peak. Protect yourself by purchasing your airline tickets now. Thus, you will not only secure a seat on the flight of your choice, you will also save money by paying the currently applicable price. Be sure to inquire about discount fares such as "super saver" and others; these fares often require reservations or purchase of tickets well in advance and a minimum length of stay.