



Annual Meeting
Washington
3-8 January 1982

Tours

Registrants at the forthcoming AAAS Annual Meeting will have a unique opportunity to explore a select few of the many outstanding research facilities in the Washington area. The tours listed below have been arranged by the Washington Advisory Committee's Subcommittee for Tours, chaired by David Challinor of The Smithsonian Institution. AAAS gratefully acknowledges the Subcommittee's efforts and the hospitality extended by the host institutions.

1. National Bureau of Standards. Monday, 4 January,
8:00 a.m.–1:00 p.m. (Limit: 40 persons)

This tour offers visits to five laboratories: the Environmental Specimen Bank, which permits the comparison of new pollutants with historic ones; the Theta Pinch Facility for analysis of highly ionized plasmas; the Environmental Chamber, which permits the simulation of a wide range of climatic conditions; the Illumination Color Laboratory for research in color perception; and the Refuse-Derived Fuels Laboratory for experiments using solid wastes as fuels.

2. Naval Research Laboratory. Monday, 4 January,
12:30–5:00 p.m. (Limit: 20 persons)

Visitors will become acquainted with NRL's research efforts in the physical sciences, technology, and engineering aimed at the development of improved techniques, systems, and equipment to enhance the Navy's operating capabilities. Research includes physical, organic, inorganic, and analytical chemistry; fracture mechanics, metallurgy, fiber and x-ray optics, magnetism, radiation technology, radio and rocket astronomy, solar physics, marine biology, ocean engineering, and more. Walking shoes and winter clothing are recommended; **persons wearing heart pacers should inform the tour leader, so that areas with electromagnetic radiation can be avoided.**

3. The Smithsonian Institution—National Museum of Natural History/National Museum of American History. Tuesday, 5 January, 8:00 a.m.–1:30 p.m. (Limit: 20 persons)

This tour provides a behind-the-scenes look at a coral reef microcosm, the first successfully installed, self-maintaining reef ecosystem in the world; it continues through the Museum's Gem Hall to the Department of Mineral Sciences to view a collection of gems not on public display. Visitors will also see artifacts reflecting the history of science. Public cafeterias in both buildings are open for lunch at visitors' expense.

4. The Smithsonian Institution—Paul E. Garber Preservation, Restoration, and Storage Facility. Tuesday, 5 January, Noon–4:00 p.m. (Limit: 35 persons)

The National Air and Space Museum's reserve collection of historically significant air- and spacecraft is housed at this facility. Visitors will see a SPAD XIII, Curtiss Jenny, Able-

Baker Missile Nose Cone, North American F-86A, Minuteman III ICBM Guidance and Control System, Hawker Hurricane, and more. Also offered will be a close-up look at restoration work in progress. Walking shoes and warm clothing are recommended.

5. Chesapeake Bay Hydraulic Model. Wednesday, 6 January,
7:30 a.m.–1:30 p.m. (Limit: 45 persons per tour*)

The hydraulic model is a scientific tool used by engineers, scientists, and water resource planners to analyze hydraulic problems that cannot be solved from textbooks, experience, or mathematical treatment alone. It can reproduce—on a manageable scale—phenomena occurring throughout this complex estuarine system. The 14-acre shelter emulates the climatic conditions of the area; wear walking shoes and warm clothing. Restaurant stop, at visitors' expense, planned at conclusion of tour.

*A second tour may be scheduled if demand is sufficient.

6. Carnegie Institution—Geophysical Laboratory. Wednesday, 6 January, 12:30–4:30 p.m. (Limit: 40 persons)

The Laboratory conducts studies of geological problems, especially the formation and evolution processes of the Earth's crust and mantle. Projects include lunar petrology, deep-sea cores, deep drilling, geothermal resources, planetary atmospheres, and archeological materials. Guests will visit six research laboratories and be briefed by the principal investigator of each facility.

7. National Institutes of Health—Animal Center. Thursday, 7 January, 7:30 a.m.–1:30 p.m. (Limit: 40 persons)

Visitors will be taken to a 500-acre farm where monkeys, dogs, cats, and farm animals are raised, conditioned, and quarantined for biomedical research. Foxhound and beagle breeding colonies, a foxhound blood donor colony, and herds of burros, goats, sheep, and pigs will be observed. Restaurant stop for lunch at visitors' expense. **Caution:** Pregnant women and persons with cardiovascular problems are advised against taking this tour as a Q-fever precaution.

8. U.S. Naval Observatory. Thursday, 7 January:
8-a: 7:00–9:30 p.m.; **8-b:** 7:30–10:00 p.m.;
8-c: 8:00–10:30 p.m.; **8-d:** 8:30–11:00 p.m.
(Limit: 35 persons per tour)

The Observatory is the oldest scientific institution in the Navy. Its mission is to provide accurate time and other astronomical data essential for safe navigation at sea, in the air, and in space. Escorted tours will take visitors to the Gilliss Building at half-hour intervals to view celestial objects such as the Moon or double stars through the 26-inch and 12-inch

To reserve your tour tickets, use the form on the next page. Please note that tours are limited to Annual Meeting registrants only. For a listing of symposia scheduled for the meeting, see the Preconvention Program in the 30 October issue of *Science*, pages 532 to 547.

refracting telescopes. Astronomers will be on duty to answer questions. These tours are planned for mature groups and are not generally suitable for children. Warm clothing is recommended, because some of the buildings are unheated.

9. Goddard Space Flight Center. Friday, 8 January, 8:00 a.m.–1:00 p.m. (Limit: 45 persons per tour*)

The Goddard Space Flight Center is one of NASA's largest research and development facilities; it is the focal point for the U.S. near-Earth-type satellites, tracking, and communications. The tour includes a visit to the Operations Control Room and a stop at the Satellite Integration and Test Facility. The latter will highlight the tests to which spacecraft are subjected prior to shipment for launch.

*A second tour may be scheduled if demand is sufficient.

General Tour Information

AAAS meeting registrants who wish to reserve tickets for any of the tours should complete the coupon below and return it to AAAS as soon as possible; space is limited and early commitments must be made to the host facilities. Reservations received after 15 December will be returned.

Because all of this year's tours are taking place in nonpublic areas of U.S. government facilities, the host institu-

tions request that persons of foreign nationality (visitors as well as U.S. residents) give their birth place and birth date in addition to name and address. Appropriate space is provided on the tour reservation form. Foreign nationals will not be restricted from participating in any tour, but AAAS must submit the appropriate data to the host institutions in advance of the respective tours.

Reserved tickets will be held at the AAAS Ticket Desk in the meeting registration area at the Washington Hilton Hotel (Concourse Level). *Tickets must be picked up by noon of the day preceding the tour*, except on 3 January, when the Ticket Desk opens at 2:00 p.m. Reserved tickets not picked up by the deadline will be released to others. A nominal charge will be made for all tour tickets to help defray transportation cost. *Do not send any remittance with this coupon*; it is a reservation form only. Please note that tours are limited to meeting registrants only.

All tours, except Tour 3, depart from and return to the T Street Entrance of the Washington Hilton at the respective times listed. For Tour 3, there are special transportation instructions which will be attached to the tour ticket.

Handicapped persons who need assistance with tours should consult the staff at the Resource Center for Disabled Registrants in the Washington Hilton (State Room, Terrace Level).



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Tours Reservation Form

Mail to: Tours
AAAS Meetings Office
1776 Massachusetts Avenue, NW
Washington, D.C. 20036

Name _____

Institution or Company _____

Street Address _____

City _____ State _____ Zip Code _____

Foreign Nationals, please list: Place of Birth _____ Date of Birth _____

Indicate any special requirements due to a handicap: _____

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