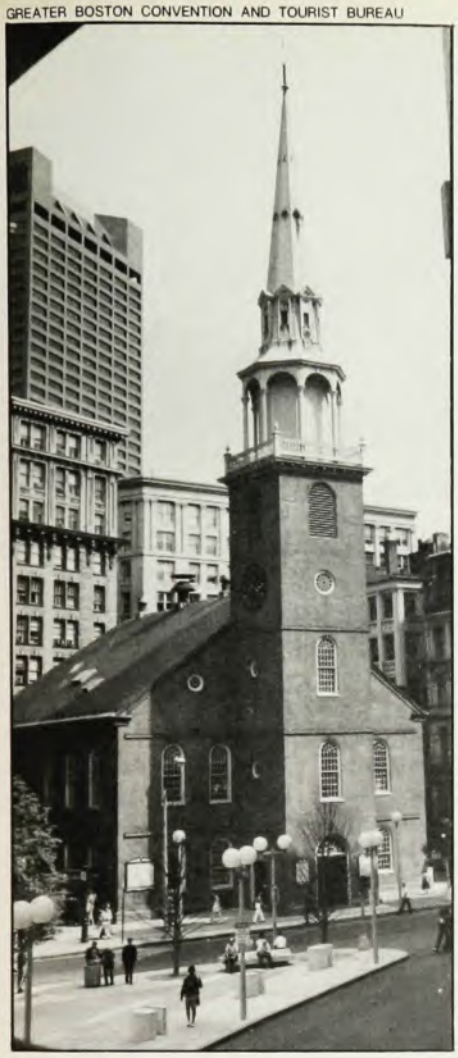
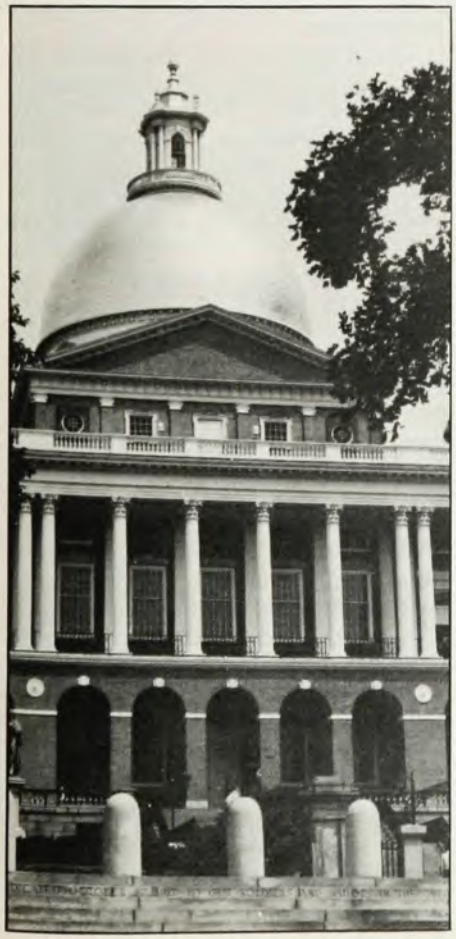
GREATER BOSTON CONVENTION AND TOURIST BUREAU





Boston hosts Plasma Physics meeting

Activities will include oral presentations, poster sessions, an equipment exhibit, discussions, special meetings and a banquet.

The twenty-first annual meeting of the Division of Plasma Physics of The American Physical Society will be held Monday through Friday, 12–16 November, in Boston. The Sheraton-Boston, located at the Prudential Center, will be the headquarters hotel for the meeting.

This year 1254 papers will be presented, an 11% increase over last year. Of these, 311 will be oral presentations and the remaining 943 will be given at poster sessions. In addition, there will be four review papers delivered. On Monday morning Ravindra N. Sudan of Cornell University will discuss the role of intense charged-particle beams in fusion. The status of tandem-mirror theory will be discussed on Tuesday morning by David E. Baldwin from Lawrence Livermore Laboratory. On Wednesday morning Gene McCall of Los Alamos Scientific Laboratory will deliver a paper titled "High density laser fusion experiments: what have we learned?" On Friday morning "Neutral beam injection: results and interpretations" will be presented by Robert J. Goldston from Princeton Plasma Physics Laboratory.

Awards

The James Clerk Maxwell Prize for Plasma Physics will be presented at the banquet for the Division of Plasma Physics on Wednesday evening in the Grand Ballroom. Tihiro Ohkawa, vice president and director of the Fusion Research Division at General Atomic Company, will receive the Maxwell Award. The award consists of a certificate citing the contributions made by the recipient and a $3500 prize. Maxwell Laboratories Inc established the award in 1975 and it is given "to recognize outstanding contributions to the field of plasma physics." Ohkawa is receiving the award for "development of the Doublet approach to tokamaks with noncircular cross sections and for the investigation of plasma confinement in toroidal multipoles."

Ohkawa received his BS from the University of Tokyo in 1950 and his PhD in 1958, also from that institution. He stayed at the University of Tokyo until 1959 as an associate professor working with plasma confinement in magnetic fields. In 1960 he joined General Atomic after a year as a visiting physicist with CERN. Ohkawa will deliver the Maxwell Prize address on Thursday morning at a special session scheduled for 8:30 am.

Sights of historic Boston. The Old South Meetinghouse (above), where the signal to begin the Tea Party was given, is just one of the many historic sights that APS members and their companions attending the meeting can see. Another popular tourist attraction is the State House and Archives Museum (below), designed by Charles Bulfinch.

Special sessions

Throughout the week several special sessions and meetings are planned. On Monday at 9:30 am spouses and guests are invited for coffee and a "get-acquainted" meeting. A joint open meeting of the Division of Plasma Physics Publications Committee and the Board of Editors of the Physics of Fluids will be held Monday afternoon at 5:00 pm in the Commonwealth Room. On Tuesday afternoon the APS Committee on the Status of Women in Physics will sponsor an informal gathering in the Kent Room. Two open discussions will be held Tuesday evening at 8:30 pm. In the Commonwealth Room, Experimental Test Facilities Design Parameters will be discussed, and in the Fairfax Room the topic will be the funding of fusion research at universities. The

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Concord Bridge, where the "shot heard around the world" was fired, is included in one of the tours offered at the plasma-physics meeting.

1979 Business Meeting of the Division of Plasma Physics will be held in the Commonwealth Room at 5:00 pm on Thursday.

Equipment exhibit

This year an equipment exhibit has been added to the meeting. At press time 50 companies had reserved space at the show. The exhibitors will be showing array processors, multi-channel analyzers, high-power lasers, detectors, cryogenic apparatus, photoacoustics and photon spectroscopy equipment, monochromators, photomultiplier tubes, surface-physics instruments, electro-optical equipment and more.

The exhibit will be located on the second floor of the hotel, in the Constitution Room and Republic Ballroom. There is no entry fee to the exhibit, but visitors are requested to pick up guest badges at the exhibit registration desk outside the Constitution Room. Show hours are 10:00 am to 5:00 pm on Tuesday and Wednesday, and 10:00 am to 4:00 pm on Thursday. Among the equipment scheduled for exhibition are:

The MAP-6400 Series, 64-bit floating point array processor by CSP Inc for scientific and engineering computation that features "16 decimal digit precision and in combination with mini or supermini computers provides the power of large main frames at a fraction of the cost."

The EG&G PARC's OMA 2 and the PICO V Streak Camera from GEAR which "provide low jitter picosecond resolution of pulsed sources. Temporal resolution as great as 1.5 ps is provided with dynamic range in excess of 10^3 in a small rugged camera package."

The Balzers Corporation will introduce its complete line of air-cooled turbomolecular pumping systems offering "technically advanced blading, horizontal design configuration and fully automatic pumping stations."

The Tracor Northern Diode Array Rapid Scan Spectrometer, which provides "single photoelectron sensitivity and complete spectral scans at rates as fast as 2.6 ms per scan."

High power, broadband rf amplifiers by Amplifiers Research with "frequencies from 10 kHz to 100 MHz and power levels from 1 watt to 10 000 watts."

The Inficon Leybold-Heraeus IQ 200 quadrupole mass analyzer featuring "the latest low-level signal processing techniques, multimode video displays and the data manipulation capability."

The Hamamatsu C979 Streak Camera System, C1308 Picosecond Light Pulser and Photomultiplier Tubes.

The Instruments SA, Inc HR-320 Spectrograph/Monochromator for use in Thomson scattering or in any solid-state or fiber optic detector system.

The GCA/Precision Scientific Group McPhearson Model 234 0.3-meter normal and Model 248 1.0-meter grazing incidence monochromators for use in the far vacuum ultraviolet. Applications are in fluorescence, laser fusion, beam flow studies and others.

Hadland Photonics Ltd/Marco Scientific, Inc will be exhibiting live demonstrations of this ultra-high-speed times resolved spectrograph with time resolutions from milliseconds to picoseconds.

Other activities

Several tours of Boston and the surrounding area are being offered to APS participants and their families. A tour of the historic Freedom Trail and Faneuil Hall Marketplace is being offered on Monday. "A journey back in time" is available on Tuesday with a visit to Sturbridge Village, a recreated country town of 150 years ago inhabited by costumed villagers. On Wednesday the John Adams Mansion and a replica of the Mayflower will be visited during the Plymouth Pilgrimage tour. On Thursday a tour group will travel north to Rockport to shop at Bearskin Neck, enjoy a lunch in a charming restaurant overlooking the harbor and visit Hammond Castle. A trip to historic Cambridge including stops at Lexington, Harvard Yard and the Old North Bridge concludes the tours on Friday. Tickets for the tours range in price from $5.50 to $20.00. Full payment should be made by Monday morning at the tour desk in the registration area for all trips except Monday's Greater Boston tour, which requires advance registration and payment.

The banquet for the Division of Plasma Physics will be held on Wednesday at the Sheraton-Boston. The price is $10.00 and tickets will be available at the conference desk. Meeting rooms for ad hoc evening sessions, reunions and so on are available and should be arranged for well in advance.

Pre-registration is suggested. If registration forms and payment are received by 26 October the fees are $25.00 for APS members, $40,00 for non-members and $2.00 for students. After 26 October the fees are $30.00 for APS members, $45 for non-members and $2.00 for students.

A number of rooms are being held at the Sheraton-Boston as well as at several nearby hotels within a five-minute walk of the Sheraton-Boston. Hotel reservations should be made by 25 October. A message center and communication board will be arranged. Incoming telephone messages should be directed to the Sheraton-Boston number, (617) 236-2000, and the caller should ask for the Plasma Physics Division registration desk. For further information about reservations, tours, meeting rooms and other aspects of the meeting contact Peter A. Politzer, Room 38-180, Massachusetts Institute of Technology, Cambridge, Mass. 02139. (Phone (617) 253-7337). □