

APS and AAPT hold Annual Meeting in San Antonio

The first Joint Annual Meeting to be held in Texas features award announcements, a physics show with emphasis on computer hardware and software, and a range of special Division symposia.



The 1984 Annual Joint Meeting of the American Physical Society and the American Association of Physics Teachers will be held this year in San Antonio, Texas, from 30 January to 2 February. Traditionally known as the New York Meeting, this is the first time this joint meeting will take place in Texas; it is also the first time APS will hold a general meeting in San Antonio.

The headquarters hotel for the meeting will be the Hyatt Regency; it is adjacent to the San Antonio Convention Center, which is the site for all daytime technical sessions. All of the evening sessions and the pre-meeting functions will be held at the Hyatt Regency. In addition, the Menger Hotel will be available for additional sleeping rooms.

Registration for the meeting will begin at 6 p.m. on Sunday, 29 January, in the Rio Grande Ballroom of the Hyatt Regency; for the rest of the week, registration activities will move to the Arcade, located on the street level of the Convention Center. Times for registration: 8 a.m. to 4 p.m. Monday through Wednesday, and 8 a.m. to noon on Thursday.

Ceremonial session

On Tuesday, 31 January, there will be a Ceremonial Session of the two Societies in the Mission Room of the Convention Center at 2 p.m. APS President Mildred Dresselhaus will begin the session by awarding the Heineman Prize to Robert B. Griffiths of Carnegie-Mellon University, "for his contribution to statistical mechanics and thermodynamics." Dresselhaus will then present the Apker Award to Raymond E. Goldstein of MIT, "for his accomplishments as an undergraduate student at Massachusetts Institute of Technology, including his research on

'Molecular theory of reentrant phase transitions in binary liquid mixtures'."

Dresselhaus will then relinquish the chair to AAPT President Robert P. Bauman, who will preside over the remainder of the session. John Layman, the most recent Past President of AAPT, will present his Society's Oersted Medal to Frank Oppenheimer, who will offer a response. The 1983 Richtmyer lecture will be presented by David Schramm of the University of Chicago; the talk is entitled "On the matter of the Universe." Finally, Heineman Prize winner Griffiths will discuss the work for which he won the award.

Special sessions

Several special sessions have been arranged for this meeting. On Monday morning, there will be a commercial workshop on "New microprocessor-based instruments." That afternoon there will be another workshop, this time on "Updating your physics lab equipment." Scheduled for Tuesday morning is "The art of teaching with

computers"; on Wednesday afternoon, the subject for the workshop is "Computer-assisted instruments for introductory physics." And on Wednesday evening there will be "An evening at the planetarium." Friday morning there will be a physics tour of Houston, with visits to Rice University and The Houston Museum; another tour on Saturday morning will focus on the Johnson Space Center, and at the same time there will be a final workshop, on "Advanced microcomputer interfacing."

There were 163 contributed papers submitted to APS for this meeting; this is the lowest number of contributed papers for a January meeting since the 1940s.

The APS Council will meet Sunday, 29 January, from 9 a.m. to 5 p.m., in the Rio Grande East Ballroom of the Hyatt Regency. Additional seating will be available for members who would like to observe the meeting.

Other events and services

The Societies will sponsor a joint

reception Monday evening, 30 January, beginning at 6 p.m., in the Regency Ballroom West of the Hyatt Regency.

The American Institute of Physics will sponsor a placement center during the entire meeting. The center, located in Meeting Room 25 of the Convention Center, will be open from 9 a.m. to 5 p.m. Monday through Wednesday, and from 9 a.m. to noon on Thursday.

Physics show

AIP has organized a physics show for this meeting, where manufacturers will display the latest research instruments, apparatus and materials; emphasis will be on computer hardware and software, with displays by Austin Science, CDC, EduTech, and others. There will also be a presentation of scientific books and periodicals by a variety of publishers. The show will be located in the South Banquet Hall #2 of the Convention Center, and it will be open from 10 a.m. to 5 p.m. on Monday and Tuesday, 10 a.m. to 3 p.m. on Wednesday. □

INVITED PAPERS, SPECIAL SESSIONS

SATURDAY Morning

AAPT Short Course: Aspects of medical physics, Part I.
AAPT Workshop: Introduction to microcomputers as laboratory instruments.
AAPT Workshop: Apple II game-paddle-port interfacing.

SUNDAY Morning

AAPT Short Course: Aspects of medical physics, Part II.
AAPT Workshop: Introductory programming and numerical methods.
AAPT Workshop: "BASIC" for beginning programmers.

Afternoon

AAPT Workshop: Developing student confidence in physics.

MONDAY Morning

Symposium of the Division of Nuclear Physics: Applications of nuclear techniques. *Asaro, Willcott, Morgan, Tombrello.*
Frontiers of astronomy. *Zeilik, Smith, Wheeler, Benedict, Wills.*
The American Association of Physicists in Medicine Refresher Course: Computer applications in medical physics.
The American Association of Physicists in Medicine Refresher Course: Phosphor-luminescent dosimetry applications in cancer therapy.

Afternoon

Commercial Workshop: Microcomputers laboratory interfacing for everyone.
Symposium of the American Association of Physicists in Medicine: Symposium on medical imaging. *Barnes, Mullani, Stokely, Gould, Kramer.*
Symposium of the Division of Electron and Atomic Physics: Atomic physics at high and low velocities. *Dunning, Hughes, Watson, Fink.*
Symposium of the Committee on Research in Physics Education. *McDermott, Tiberghien, Reif, Collea.*

Evening

Symposium of the Forum on Physics and Society: Science education: The Federal role. *Baugh, Elliott, Bergin.*

TUESDAY Morning

Workshop on the Committee for Science for the Public: Physics of toys.
Symposium of the Committee on Higher Education: Innovations in physics education. *Thompson, Dittman, McDermott, Jones.*

Symposium of the Division of Plasma Physics. *Rosenbluth, Liu, Dawson, Goldston, Linford, Logan.*

Symposium of the Committee on Applications of Physics: Applications I. *Gerstele, Tang, Armstrong, Arthur.*

AAPT Awards Session.

Afternoon

Ceremonial Session. *Oppenheimer, Schramm, Griffiths.*

WEDNESDAY Morning

Symposium of the Texas Section: Frontiers of physics. *Glashow, Hohenberg, Wheeler.*

Symposium of the Division of Astrophysics: Advances in astrophysics I. *Steinhardt, Centrella, Mather, Soifer.*

Symposium on the crisis in high-school physics teaching. *Kelly, Fowler, Layman, Franz, Unruh, Gerlovich, Swartz, Paldy.*

Afternoon

SPS Invited Lecture.

Symposium of the Texas Section: High-energy physics. *Weinberg, Arnowitt, Groom, Smith, Roberts.*

Symposium of the Committee on Applications of Physics: Applications II. *Myers, Byer, Taylor, Sinclair.*

Symposium of the Committees on Women in Physics: Women in research. *Kerr Del Grande, Cladis, Gaillard, Arps.*

THURSDAY Morning

Symposium on computers in physics education: Problems of physics education and possible solutions using the computer. *Minstrell, Fuller, Swartz, Ingoldsby, May, Schwartz, Wilson.*

Symposium of the Division of Astrophysics: Advances in astrophysics II. *Frank, Prince, de Pater, Coles.*

Symposium of the Division of the History of Physics: The computer and the conduct of physics. *Tropp, Roper, Peters, Brenner.*

Invited Panel on the Committee on Minorities: Support opportunities for student research and scholarships in physics and physics education. *Collea, Jones, Martinez, Larkins, Patel.*

Afternoon

Symposium of the Texas Sections: The determinants of US energy futures. *Starr, Hoffman, Joskow, Lee, McKie.*

Symposium of the Texas Sections: Superconducting supercollider. *McDaniel, Keil, Palmer, McIntyre, Lundy.*

Symposium on the role of museums in science education. *Mendis, Ansbacher, Welty, Wills, Crane.*