

Optical Society of America meets in Boston

... where the Bicentennial Celebration will provide a background for such "revolutionary" topics as laser spectroscopy, radiological imaging and fiber optics.

Patricia Dodd

Historic Boston will be the site of the annual meeting of the Optical Society of America, to be held at the Sheraton Boston Hotel on 21-24 October. Eleven symposia held throughout the four-day meeting will cover topics as diverse as molecular spectroscopy, laser speckle and visual perception.

Fifty-two invited papers and 280 contributed papers will be presented during the meetings's technical sessions. Most of the technical program will take place in the meeting rooms of the Sheraton, but a few sessions will be held in the John B. Hynes Veterans Auditorium adjoining the hotel. The Hynes

Auditorium will also house an exhibit of scientific instruments and materials.

The social program of the meeting has been heavily influenced by Boston's current Bicentennial Celebration, which began on 18 April with the 200th anniversary of Paul Revere's ride. Information on tours of Boston and visits to its many historical sites will be made available each morning during the coffee hour in the Kent Room. In addition, a day-long trip to Old Sturbridge Village, a reconstructed version of an early New England town, is scheduled for Thursday, 23 October. A reception at the Boston Science Museum on Tuesday

evening will feature the "revolutionary" music of 1775.

Technical and general-interest sessions

Because of the large number of invited and contributed papers, five simultaneous sessions are scheduled during most of the technical program. Schedules for post-deadline papers will be posted at the meeting.

Several symposia deal with particularly noteworthy or exciting areas of research. Tuesday's symposium on high-

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JAVAN



WRIGHT



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BLAISE

resolution nonlinear spectroscopy offers reports by Theodor W. Hänsch (Stanford University) and James J. Wynne (IBM) on new frontiers in laser spectroscopy; in addition, C. Paul Robinson and Reed J. Jensen (Los Alamos Scientific Laboratory) and R. V. Ambartsumian (Institute of Spectroscopy, USSR) will speak on their research in isotope separation. A symposium on radiological imaging will be held on Wednesday with invited papers by William L. Rogers (University of Michigan), Harrison H. Barrett and S. K. Gordon (Optical Sciences Center) and Albert Macovski (Stanford University). Friday's symposium on fiber optics will begin with two invited papers from Bell Laboratory researchers on optical fiber communication (Tingye Li) and a fiber laser (C. A. Burns and Julian Stone).

A general-interest session will be held

on Wednesday at 11:00 am. Harvey Brooks of Harvard University will speak on the problems caused by excessive public expectations from science, and Friedrich St. Florian of the Massachusetts Institute of Technology will discuss his exploratory architectural work, including the potential of holography in architecture.

Awards

Four awards of the Optical Society of America will be presented at the awards luncheon on Wednesday, 22 October, at 12:30 pm in the Grand Ballroom.

The Frederick Ives Medal, the highest award of the OSA, will be given to Ali Javan, professor of physics at the Massachusetts Institute of Technology and director of its Optical Infrared Laser Laboratory. Javan conceived and developed the first continuously

operating gaseous laser, which allows more precise measurements than any other laser device.

William David Wright, retired head of the technical optics department at Imperial College, London, will receive the C. E. K. Mees Medal in recognition of his fundamental research in color and color vision. Wright's early measurements of the color-vision data of many observers led to the establishment of the C. I. E. Tristimulus Values, an international standard.

The David Richardson Medal honors distinguished contributions to applied and technical optics not necessarily manifested by the traditional means of extensive publication or academic reputation. The recipient of this award for 1975 is Karl Lambrecht, who developed techniques for the fabrication of calcite-crystal optics and who has made avail-

Invited papers and special events

MORNING

Symposium on optics in biology and medicine *Benedek, Rimai, Riva*

Molecular spectroscopy *Lin, Shortridge, Umstead and Woods*

Photography *Bird*

AFTERNOON

Symposium on high-resolution nonlinear spectroscopy *Hänsch, Wynne, Robinson and Jensen, Ambartsumian*

Image sensing *Kosonocky*

EVENING

Reception at the Boston Science Museum

MORNING

Symposium on propagation in atmospheric media *Gebhardt, Lencioni, Lawrence, Livingston*

Symposium on radiological imaging *Rogers, Barrett and Gordon, Macovski*

Interferometers *Maréchal, McCall, Gibbs and Venkatesan*

General-interest symposium *Brooks, Florian*

AFTERNOON

Awards luncheon

Ives Medal address *Javan*

Symposium on laser speckle *Dainty, George, Labeyrie*

Symposium on optical materials *Weiderhorn, Rindone and Bradt, Ritter*

ALL DAY

Trip to Old Sturbridge Village, Massachusetts

MORNING

Symposium of optical technology in plasmas *Lax, Ascoli-Bartoli, Cohn, Jahoda*

Lasers *Hofstadter, Pantell*

Symposium on energy transfer by electromagnetic radiation I *Wolf, Baltes*

AFTERNOON

Active optics *Dicke*

Symposium on energy transfer by electromagnetic radiation II *Boyer, Narducci, Scully*

Symposium of electrophysiological techniques for studying visual function in Man *Riggs, Armington, Kinney, Regan, Fender and Santoro*

OSA business meeting

MORNING

Holographic gratings *Speer*

Symposium of visual perception *Hubel, Held, Teuber*

Fiber optics; integrated optics *Li, Burrus and Stone, Stillman*

able the low-scatter crystals crucial for high-power laser application.

Jean Blaise, a Director of Research at the Centre Nationale de la Recherche Scientifique of France, will receive the William F. Meggers Award for outstanding work in spectroscopy. Blaise, the head of an experimental spectroscopy group at the Laboratoire Aimé Cotton, is famous for his work with the spectra and atomic structure of the lanthanide and actinide elements, and he is a pioneer in the use of the scanning Fabry-Perot interferometer for studying hyperfine structure and isotope shifts in heavy atoms.

The awards luncheon will be followed by the 1975 Ives Medal Address; Ali Javan will give a progress report on his research in precise interferometric laser wavelength measurements.

Other events and services

The annual business meeting of the OSA will be held at 5:00 pm on Thursday in the Constitution Room, and all members are invited to attend. In addition, the winners of the Turvy Topsy Contest will be announced at this meeting. The contest is sponsored by A. L. Schawlow and its purpose is to "advance the art of slidesmanship by making it possible to produce a slide that can never be right-way up." Valuable prizes will be presented to those photographers who best accomplish this.

Meetings of OSA committees and technical groups are also scheduled to take place. Information on times and places for these meetings will be available at the Sheraton. A meeting of representatives of local sections will be held at 4:00 pm in the Jefferson Room on Tuesday.

The American Institute of Physics will sponsor a placement-service center in the Gardner Room during 21-23 October. Information on employment opportunities will be posted and interviews will be arranged between registrants and representatives of potential employers. Appointments for personal consultations with Ray Sears, placement consultant for AIP, can be made at the placement-center desk. Prospective employers of specialists in optics and related fields should send descriptions of employment possibilities to the AIP. Information and registration forms can be obtained from Margot Breslaw, Placement Office, American Institute of Physics, 335 East 45 Street, New York, N.Y. 10017.

The 1975 Optics Show will be open Tuesday through Thursday in the John B. Hynes Veterans Auditorium. The exhibit will include a wide variety of optical instruments, components, materials and systems used by scientists and engineers in electro-optic and laser research areas. About 64 companies will be represented. □

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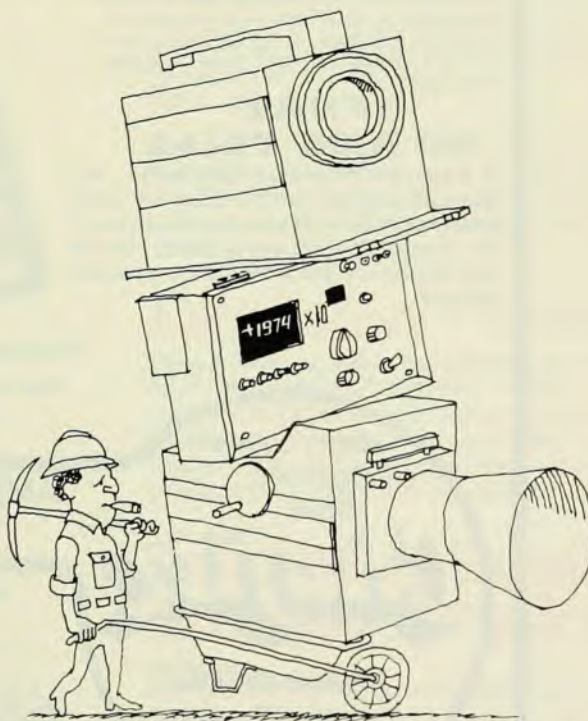
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