

tember 30 to October 4. The technical program will be divided into three parts: (1) general spectroscopy, including the theory of spectra, astrophysical spectroscopy, and the spectroscopy of plasmas; (2) spectrochemical analyses, including emission and absorption spectroscopy in both the visible spectrum and the ultraviolet, and infrared and Raman techniques; and (3) other methods, including microwave spectroscopy, electron-paramagnetic and nuclear-magnetic resonance, x-ray fluorescence and luminescence, and mass and gamma spectroscopy. An exhibit of instruments is also being planned.

Inquiries should be directed to Dr. V. Vukanović, Prirodno—matematički fakultet, Fizičkohemijski zavod, Studentski trg 16, Blok C, Belgrade, Yugoslavia.

Physics and Nondestructive Testing

A symposium on physics and nondestructive testing, sponsored by the Southwest Research Institute, will be held at El Tropicano Hotel in San Antonio, Tex., October 1-3. Emphasis will be given to the fundamental physics underlying the methods and techniques of evaluating material properties by nondestructive testing. The program is expected to include papers dealing with the Mössbauer effect, the physics of failure, crack growth, radiology, and residual stress measurements by ultrasonics.

Further information can be obtained from Warren J. McGonnagle, Southwest Research Institute, 8500 Culebra Rd., San Antonio 6, Tex.

Nuclear Chemistry

Analytical instrumentation will be the theme of the Seventh Conference on Analytical Chemistry in Nuclear Technology, to be held October 8-10 at Gatlinburg, Tenn., under the sponsorship of Oak Ridge National Laboratory. The Conference will consist of six sessions devoted to instrumental methods for the analysis of molten-salt systems, instrumentation for the remotely controlled analysis of radioactive materials, electroanalytical instrumentation, analytical spectroscopy and gas chromatography, instrumentation in radiochemistry and nuclear analysis, and recent developments in analytical instrumentation.

Inquiries should be directed to C. D. Susano, Oak Ridge National Laboratory, PO Box X, Oak Ridge, Tenn.

Compound Nuclear States

Gatlinburg will also be the site of a meeting on compound nuclear states, which is to be held on October 10, 11, and 12 under the cosponsorship of the Oak Ridge National Laboratory and the American Physical Society. Designated as an APS topical conference, the meeting is open to members of the Physical Society and abstracts must conform to the requirements specified in the Society's *Bulletin*.

September 6 has been set as the deadline for the sub-

mission of abstracts. Contributors may also submit 600-word summaries, accompanied by one or two figures. The summaries (or abstracts in cases where no summaries are included) will be reproduced and distributed at the conference. Abstracts and summaries should be sent to Dr. J. L. Fowler, Oak Ridge National Laboratory, PO Box X, Oak Ridge, Tenn. Requests for accommodations should be sent to Mr. Tom Woods, Manager, Mountain View Hotel, Gatlinburg, Tenn.

Gaseous Electronics

Another topical conference of the American Physical Society, sponsored jointly by the Westinghouse Research Laboratories and the University of Pittsburgh, is the sixteenth annual Gaseous Electronics Conference which will take place October 16-18 in the auditorium of the Mellon Institute in Pittsburgh.

The program will deal with the basic atomic processes and phenomena associated with the physics of ionized gases. Papers on engineering applications and specific devices will not be included. Abstracts of contributed papers (conforming to Physical Society specifications) must be received no later than August 23 by Dr. George J. Schulz, Westinghouse Research Laboratories, Beulah Road, Pittsburgh 35, Pa. Inquiries concerning the meeting should be sent to Dr. M. A. Biondi, University of Pittsburgh, Pittsburgh 13, Pa.

Optical Society

October 23 to 25 are the dates of this year's annual meeting of the Optical Society of America, which is to be held at the Sherman House in Chicago. A symposium is planned on atmospheric transmission and earth albedo, with invited papers by R. Zirkind, D. Gates, C. Cummings, T. Fujita, and H. Blau. Other invited speakers at the meeting will include H. Levinstein on infrared detectors, H. Davidson on automation of color production, C. Mueller on vision, G. W. Robinson on spectroscopy, B. Lax on masers, and J. Atwood on coherent light sources and optical instrumentation. There will also be an address given by this year's Ives medallist.

Abstracts of (15-minute) contributed papers must be received by the Society's executive office no later than August 15. The necessary forms can be obtained from Dr. Mary E. Warga, Executive Secretary, Optical Society of America, 1155 Sixteenth Street, N.W., Washington 6, D. C.

IEEE

The Nuclear Science and the Ultrasonic Engineering professional groups of the Institute of Electrical and Electronics Engineers have each announced plans for meetings to take place later this year. (The IEEE is the organization formed by the recent merger of the Institute of Radio Engineers and the American Institute of Electrical Engineers.)