

MEETINGS

Quantum Mechanics

The Ehrenberg-Siday-Aharonov-Bohm effect, and its relation to the Einstein-Podolsky-Rosen paradox, will be given special consideration at a conference on the foundations of quantum mechanics to be held October 1-6 at Xavier University in Cincinnati. The meeting is being organized under the sponsorship of the National Aeronautics and Space Administration, the Office of Naval Research, and the Judge Robert S. Marx Foundation, and will be conducted under the chairmanship of Boris Podolsky. Among the participants will be P. A. M. Dirac, E. Wigner, Y. Aharonov, and W. Furry. Several public lectures on the conference topic will be given on October 1 and 2.

Inquiries concerning attendance requirements should be directed to J. B. Hart, Xavier University, Cincinnati 7, Ohio.

Optical Processing of Information

October 23 and 24 are the dates for a symposium on optical processing of information, which will be sponsored by the Information Systems Branch of the Office of Naval Research. The meeting will be held in the Department of Interior Auditorium in Washington, D. C., and will include papers on optical logic and memories, fiber optics, lasers, modulation, and related subjects. Correlation and optical character recognition will not be included, since these topics have been the subjects of previous conferences. Most of the papers will be invited, but some time will be available for the delivery of a few contributed papers.

Further information can be obtained from Miss Barbara A. Novy, Office of Naval Research, Code 437, Washington 25, D. C.

Fluid Dynamics

Norman, Okla., will be the site of the 1962 meeting of the Division of Fluid Dynamics of the American Physical Society. Marking the fifteenth anniversary of the formation of the Division, this meeting will take place November 19-21, the three days preceding Thanksgiving.

The program will include discussions of shock waves and detonations, heat transfer to surfaces immersed in hypersonic flow, flow instabilities and transition to turbulence, and various other aspects of fluid dynamics.

Any member or fellow of the American Physical Society may contribute a ten-minute paper if an abstract, in duplicate and prepared in accordance with instructions published in the *Bulletin* of the Society, is submitted before October 12. Abstracts and re-

quests for additional information should be sent to the secretary of the Division, Raymond J. Emrich, Lehigh University, Bethlehem, Pa.

Radioactive Dating

The International Union of Pure and Applied Chemistry, with the cosponsorship of the International Atomic Energy Agency, is organizing a symposium on radioactive dating which is to be held in Athens, Greece, from November 19 to 23. Emphasis will be placed on methods, the significance of errors, and recent applications of radioactive-dating techniques.

The program calls for discussion of established, new, and potential methods of dating by measurement of natural radioactivity, as well as dating by cosmic-ray-produced radioactivity, with applications in archaeology, geochemistry, geophysics, geology, and the study of meteorites. The use of tritium for determining the age of natural waters is not included in the program since this topic will be included in a symposium on the application of radioisotopes in hydrology to be organized by the IAEA in 1963.

The official channel for US participation is the US Atomic Energy Commission, and inquiries regarding the meeting should be addressed to John H. Kane, Division of Special Projects, AEC, Washington 25, D. C.

Science and Mathematics Teachers

The 62nd annual convention of the Central Association of Science and Mathematics Teachers will be held November 22-24 at the Sheraton-Jefferson Hotel in St. Louis, Mo. The program will include discussions of various experimental programs in elementary and secondary-school mathematics and science, as well as of new approaches in teaching, including the use of teaching machines and television techniques. There will also be an exhibit of teaching aids and texts for science and mathematics.

A complete program and reservation forms can be obtained from Joe Kennedy, Indiana State Teachers College, Terre Haute, Ind.

Combustion

The next meeting of the Western States Section of the Combustion Institute will be held at Aerojet General Corp. in Sacramento, Calif., on November 26 and 27. The program will emphasize experimental techniques