

MEETINGS

Fluids

The Society for Natural Philosophy will hold a meeting on the subject of fluid mechanics on November 11 and 12 at the Mellon Institute. The principal lectures will deal with the Navier-Stokes equation, viscoelastic fluids, and the structure of galaxies, including papers by C. Truesdell, J. Serrin, R. Finn, W. Noll, C. C. Lin, and H. Markovitz. Further information can be obtained from Dr. B. D. Coleman, Mellon Institute, 4400 Fifth Avenue, Pittsburgh 13, Pa.

Physics in Chicago

The Physics Club of Chicago, Inc., has announced that it has scheduled meetings for November 12 and December 10, 1963, and for January 14, February 11, March 10, April 14, and May 12, 1964. Information regarding speakers, topics, place, and time for the meetings will become available as the dates approach, and can be obtained from E. L. Bussell, c/o The Welch Scientific Company, 1515 Sedgwick Street, Chicago, Ill.

AAAS Meets in Cleveland

The 130th meeting of the American Association for the Advancement of Science, which will include sessions of all twenty AAAS sections and the programs of some eighty participating organizations, will take place during the period from December 26 to 30 in Cleveland, Ohio. The headquarters will be the Sheraton-Cleveland Hotel, and sessions will be held there and in several other hotels in downtown Cleveland.

The program for Section B (Physics) will include a "physicists' luncheon", held jointly with Sigma Pi Sigma, a session of invited papers on contemporary physics, and two symposia arranged by Section D (Astronomy) and cosponsored by Section B. The luncheon, with Stefan Machlup of Western Reserve University presiding, will take place in the Cleveland Room of the Sheraton-Cleveland beginning at 12:30 p.m. on Friday, December 27. Elmer Hutchisson, director of the American Institute of Physics and vice president of Section B, will speak on the subject of information exchange in physics. The session on contemporary physics, arranged by the secretary of Section B, Stanley S. Ballard of the University of Florida, is to be cosponsored by Sigma Pi Sigma and the Cleveland Physics Society, and will be held at 2 p.m. on Friday in Parlors 26-32 of the Sheraton-Cleveland Hotel. John K. Major of Western Reserve will preside. The speakers will be Frederick Reines of Case Institute of Technology, whose topic will be neutrino physics, B. S. Chandrasekhar of Western Reserve, who will discuss recent developments in high-field superconductors, Robert S. Shankland of Case, who will talk on the subject of rooms for speech and music, and Joseph W. Weinberg

of Western Reserve, who will speak on unique processes in stars of high density.

The two symposia to be held jointly by the physics and astronomy sections of AAAS will take place on Monday, December 30. The first, on degenerate stars, with Hong Yee Chiu of NASA's Goddard Institute for Space Studies in New York presiding, will include papers by Alastair G. W. Cameron of the Institute for Space Studies, Charles Misner of the University of Maryland, Volken Wiedeman of the Physikalisch-Technische Bundesanstalt, and J. B. Oke of the California Institute of Technology and Mt. Palomar Observatory. The second symposium, on meteorites, with Harold C. Urey of the University of California presiding, is further cosponsored by Section C (chemistry) and the American Geophysical Union. Professor Urey will talk on the subject of meteorites and the origin of the solar system. Other speakers are Brian H. Mason of the American Museum of Natural History, Robert O. Pepin of the University of California at Berkeley, and George W. Reed of Argonne National Laboratory.

In addition to the sessions mentioned above, the meeting will include a number of other programs likely to be of interest to physicists. On December 26, during the special AAAS session, "Moving Frontiers of Science, Part I", Andrew M. Gleason of Harvard will give an invited talk entitled, "The Evolution of an Active Mathematical Theory". On December 26 and 27, there will be three sessions on the sciences in Japan, with papers by eminent authorities in all major disciplines. Two-channel simultaneous translation will facilitate discussions. Three papers of particular interest will be presented during the morning session on December 27, preceding the physicists' luncheon. Ken-ichi Maeda of Kyoto University will speak on ionosphere and space research in Japan, Gyo Takeda of Tohoku University will review recent developments and plans for future programs in high-energy physics in Japan, and Ken-iti Higasi, director of the Research Institute of Applied Electricity, will discuss recent developments in structural chemistry in Japan. Also scheduled for December 27 are separate symposia on meteorology and on the chemistry of radical ions. The first is a two-part symposium on the meteorology of the Great Lakes region, arranged as part of the program of the American Meteorological Society and cosponsored by Section B and the American Geophysical Union; the radical-ions sessions are part of the Section C program, cosponsored by the Cleveland Section of the American Chemical Society. Another Section C symposium (on the chemistry of the excited state) will be held on December 30.

On Saturday morning, December 28, the AAAS will present an interdisciplinary symposium on the uses of