

MEETINGS

AAAS

The 131st annual meeting of the American Association for the Advancement of Science will be held December 26 to 31 in Montreal.

Section B (Physics), chaired by Stanley S. Ballard, and Section D (Astronomy), chaired by Frank B. Wood and Donald A. MacRae, will jointly sponsor an interdisciplinary symposium of the AAAS on possible meteoric or lunar influences on meteorological phenomena. Section B's vice-presidential address will be given this year by Ralph A. Sawyer, chairman of the Governing Board of the American Institute of Physics. Other activities of the Section will include one or more sessions of invited papers in association with the Canadian Association of Physicists, a possible two-session symposium of the American Astronautical Society, and a session on upper-atmospheric physics, to be held by the Canadian Aeronautics and Space Institute.

The American Meteorological Society and the Royal Meteorological Society, Canadian Branch, will jointly sponsor a meteorological program, and will also participate in the AAAS interdisciplinary symposium. The National Academy of Sciences Space Science Board and the National Aeronautics and Space Administration will hold a session on the results of the Board's study of the basis, problems, and prospects of the search for life elsewhere in the solar system.

Section D will cosponsor all sessions of the American Astronomical Society, which will meet in Montreal from December 28 to 31. The Helen B. Warner Prize Lecture, on the evening of the 29th, will be delivered by Maarten Schmidt of Mt. Wilson and Palomar Observatories, who will describe his work on quasistellar radio sources. The retiring vice-presidential address of Paul Herget will be on the afternoon of the 30th, and the astronomers' dinner will be held that evening.

This year's Moving Frontiers of Science series will include a lecture by Philip Morrison on the border between nuclear physics and astronomy,

and the AAAS Committee on Meetings has reserved space for a symposium on late developments in science, to be arranged by Robert Jastrow.

More detailed information regarding the entire scope of the meeting can be obtained from Raymond L. Taylor, Associate Administrative Secretary, AAAS, 1515 Massachusetts Avenue, N.W., Washington, D. C.

Relativistic astrophysics

The second Texas symposium on relativistic astrophysics will be held in Austin from December 15 to 18 under the sponsorship of the University of Texas and the Southwest Center for Advanced Studies. This meeting is a sequel to a meeting, held last December in Dallas, on gravitational collapse and quasistellar radio sources.

The scheduled speakers and their topics are: G. Burbidge, extragalactic sources of high-energy radiation; T. Matthews, structure of radio sources; A. Sandage, optical work on quasistellars; M. Schmidt, models for quasistellars; P. Meyer, cosmic-ray positrons; G. Clark, observational work on cosmic gamma rays; P. Morrison, theoretical work on cosmic gamma rays; and J. Bahcall, theoretical work on cosmic neutrinos.

It is expected that the program will also include papers on mechanisms of strong radio sources, statistics of quasistellars, cosmic-ray primaries, highest-energy cosmic rays, cosmic x rays, cosmic neutrinos, models of the universe, neutron stars, and conservation laws and cosmology.

Further information can be obtained from Mrs. Jane Wardlaw, Department of Physics, University of Texas, Austin, Tex. 78712.

IAEA

The International Atomic Energy Agency has announced that it will hold two meetings in December this year.

A symposium on chemical effects associated with nuclear reactions and radioactive transformations will take place in Vienna, December 7-11.

Topics to be covered will be (1) theoretical aspects of hot-atom chem-

istry and related problems; (2) gas-phase studies of recoil products, including the nature and charge of ions, tritium-recoil reactions, etc.; (3) chemical effects of nuclear recoil in the liquid phase; (4) chemical effects of nuclear recoil in the solid phase, including postirradiation effects; and (5) chemical effects of radioactive decay, including the self-decomposition of labeled compounds where the decomposition is caused directly by the nuclear transformation and not by the concomitant radiation. Abstracts of 250 to 350 words in length are due by August 15.

The third IAEA symposium on the inelastic scattering of neutrons will be held December 15-19 in Bombay.

The provisional agenda are expected to include (1) experimental techniques and facilities, (2) dynamic properties of solids and phonon interactions, (3) liquid dynamics, (4) molecular energy levels and motion, (5) neutron interaction with gases, (6) dynamics of magnetic systems, and (7) related topics, such as dynamics of optical experiments, studies of dynamics by gamma-ray interactions, Mössbauer effect, etc. Abstracts of 250 to 350 words are due by September 20.

All correspondence for both meetings should be sent to John H. Kane, Chief, International Conferences Branch, Division of Special Projects, Atomic Energy Commission, Washington, D. C. 20545.

AGU

The American Geophysical Union is holding its 4th Western National Meeting on the University of Washington campus in Seattle from December 28 to 30.

The scientific program will cover all major areas of geophysical research, including recent studies in seismology, meteorology, oceanography, hydrology, geodesy, aeronomy, and the space sciences. Titles and abstracts of contributions are due before October 9.

All correspondence should be sent to the American Geophysical Union, Suite 506, 1145 19th Street, N. W., Washington, D. C. 20036.