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Aeronautics and Astronautics will join in sponsoring a conference on Stratosphere-Mesosphere Structure. It will be held on the Texas Western campus. Instrumentation, sensitizing techniques, data analysis, and theoretical treatment of such parameters as wind, temperature, density, electron density, and radiation ozone will be among the topics covered.

The 44th annual meeting of the Meteorological Society will take place January 29 to 31, 1964, at the University of California at Los Angeles. The program is expected to include discussions on meteorology a century ago, mesoscale circulations, climatic change, planetary atmospheres, radiative transfer, interpretation and use of numerical forecasts, probability forecasts, atmospheric pollution, cloud physics, convection, and new instrumentation.

Further particulars concerning these meetings are available from the American Meteorological Society, 45 Beacon Street, Boston 8, Mass.

Radioactive Tracers

Isotope mass effects in chemistry and biology will be discussed at a symposium to be held December 9-13 in Vienna. Sponsored by the International Atomic Energy Agency and the International Council of Scientific Unions' Joint Commission on Applied Radioactivity, the meeting will cover the theory and interpretation of isotope effects, experimental techniques, isotope effects on chemical and biological systems in equilibrium, and kinetic isotope effects.

The official channel for US participation in the meeting is the US Atomic Energy Commission. Abstracts of 250-350 words should be sent before September 1 to John H. Kane, Chief, International Conferences Branch, Division of Special Projects, Atomic Energy Commission, Washington 25, D.C.

Earth Sciences

The American Geophysical Union will hold its third western national meeting in Boulder, Colo., from December 26 to 28. More than 700 scientists are expected to attend, and papers dealing with various major areas of geophysics will be presented, including geodesy, seismology, meteorology, geomagnetism and aeronomy, oceanography, volcanology, geochemistry, petrology, tectonophysics, hydrology, and the planetary sciences.

Abstracts and titles of contributed papers are due before October 10. They should be sent to Dr. W. W. Kellogg, The Rand Corporation, 1700 Main Street, Santa Monica, Calif.

Cloud Physics

The American Meteorological Society is planning a conference on the physics and dynamics of clouds to be held March 24-26, 1964, at the University of Chicago. The program is expected to include papers on