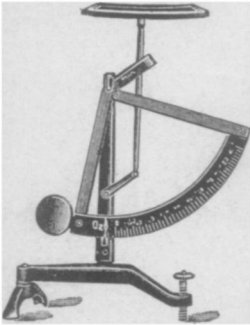


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ROCKETS AND MISSILES  
**Academy Report Stresses Need for Space Probes**

SATELLITES and space probes may some day enable man to learn more about the origin and history of the solar system, the Space Science Board of the National Academy of Sciences reported. Dr. Harold C. Urey, Nobel Prize winner from the University of California at La Jolla, prepared that part of the report concerning the moon and planets, summarizing current views and noting areas of uncertainty and controversy as well as facts that seem to be well established.

Among experiments suggested in the report are the televising of the moon's surface as seen through a microscope, testing of the surface for magnetic substances, hardness and depth studies by means of probes, seismic observations, temperature measurements, and chemical and spectroscopic analysis of surface rocks.

Dr. Urey recommends that the first man to go to the moon be trained primarily in geology, but that he also have a considerable knowledge of several other sciences.

The report also suggests that efforts be made to land instruments for chemical analysis and seismic observations on the cold side of Mercury.

The complete report, entitled "Science in Space," will consist of nine chapters. Forthcoming chapters are "Physics of Fields and Energetic Particles in Space," "The Nature of Gravitation," "The Earth," "The Sun," "The Biological Sciences and Space Research," "Galactic and Extra-galactic Astronomy," and "A General Review."

Purpose of the report is two-fold: to review areas and opportunities for important research studies using space vehicles, and to suggest what now appear to be major areas of emphasis for the national space effort.

Science News Letter, April 9, 1960

**Questions**

**GENERAL SCIENCE**—What is the factor that causes the paper of books to deteriorate? p. 232.

**MEDICINE**—What type of cancer are workers in the asbestos industry likely to develop? p. 227.

**PUBLIC HEALTH**—Why is spraying the houses in part of Brazil largely ineffective against mosquitoes carrying malaria? p. 234.

**ROCKETS AND MISSILES**—How many pounds of helium would be needed to blanket a typical, manned space vehicle? p. 230.

*Photographs:* Cover, Princeton University; p. 227, Westinghouse Electric Corporation; p. 229, National Aeronautics and Space Administration; p. 231, General Instrument Corporation; p. 234, Pan American Health Organization; p. 240, Eastman Chemical Products, Inc.

