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DULUTH --- A National Aeronautics and Space Administration (NASA) Spacemobile will be on the UMD campus from July 23 (Thursday) through July 2 to promote the nation's space program for peaceful purposes.

The Spacemobile is a specially designed panel truck carrying equipment and materials utilized in space-science lecture demonstrations.

NASA lecturers Ray W. Schlitz of Hibbing and Robert F. Knutson of Circle Pines will present twice-a-day programs at 4 and 7 p.m. Monday through Friday in Science Auditorium. The public is invited at no charge.

A typical 50-minute lecture-demonstration answers five basic questions:

1. What is a satellita?
2. How does it get into orbit?
3. What keeps it in orbit?
4. What good is it and what does it do?
5. What are the present activities of the National Aeronautics and Space Administration, the results of these programs and the plans for the future?

For example, the lecturer retraces the origin and development of rockets, using models and demonstrating equipment. He explains how certain principles were recognized and stated as physical law and shows the application of these principles to such current NASA programs as Mercury, Gemini, Apollo and Ranger.

The laws of motion are simply described and the principle of a reaction motor is demonstrated. Simple experiments are performed describing and illustrating solid and liquid types of rocket fuels.

Other equipment is used to show a satellite in an earth orbit, to explain the forces acting upon the satellite and to demonstrate the use of solar cells to provide power in space.