

10-Year Orbit Seen For U.S. Satellite

The United States' first satellite, the Explorer, may stay in its orbit more than 10 years because of its height, according to Dr. Alfred K. Blackadar, associate professor of meteorology.

Speaking before the Faculty Luncheon Club yesterday in the Hetzel Union Building, Blackadar said the Explorer could revolve around the earth "perhaps 10 years, maybe longer, despite its light weight."

The University meteorologist said that because of the satellite's height it would probably stay up longer than either the Russian's Sputnik I or II.

The Explorer's height is about 1800 miles at its apogee (farthest point in orbit from the earth) compared to 1060 miles of Sputnik II, Blackadar said. The U.S. satellite's perigee (closest point of orbit to earth) is 180 miles compared to the "Mutnik's" 130 miles.

Sputnik II will be visible over the State College area at 6:38 a.m. Saturday, according to Smithsonian Institute calculations.

Blackadar explained that the bulge of the equator outward causes the satellite orbit to move westward. When it was first launched, he said, the first Sputnik was not visible over Russia because it was traveling along the twilight zone and the sky was too light.

However, as the orbit shifted westward, people all over the world were able to see the satellite. It was visible since it is elevated far above the earth and is in the sunlight. Sputnik II's orbit took about three months to rotate around the earth.

Blackadar said meteorologists soon hope to use the satellites to obtain information on distribution of clouds around the earth. By mounting light-sensitive photo cells on the satellites, cyclone and hurricane systems could be spotted, Blackadar said.

Schwab Uses Dossal, Cross

A dossal and cross adorned the worship setting in Schwab Auditorium for the first time Sunday as a part of the chapel service.

This addition was conceived in an attempt to further enhance the worshipfulness of the University chapel services, according to the Rev. Luther H. Harshbarger, University chaplain.

The dossal and the cross were designed by Sybil D. Emerson, professor emeritus of art education, who also designed the dossal in the Helen Eakin Eisenhower Chapel.

Personnel of the department of housing made the dossal under Miss Emerson's supervision. The cross was constructed by Edward D. Zong of Boalsburg.

ICG Will Discuss Convention Plans

The Intercollegiate Conference on Government will meet at 7:30 tonight in 204 Willard to discuss plans for attending the regional and statewide conventions.

The 1-day regional convention will be held at Gettysburg and the state convention will be held at Harrisburg, April 17-19. The theme of the state conclave will be a model United States Congress.

Students interested in politics, national or international affairs, or parliamentary procedure may attend the meeting tonight.

Hassler Gives Address To Civil War Group

Dr. Warren W. Hassler, Jr., assistant professor of history, gave the major address at the dinner meeting of the Civil War Round Table of Washington, D.C., last month.

Hassler's topic was "General George B. McClellan: A Re-evaluation."

• The Japanese believe one sneeze means someone is praising you, two sneezes mean you are being criticized, and three sneezes mean someone loves you.

As Harshbarger Sees It

Man's Faith Destroyed by Satellites

The exploration of space by Sputnik and the U.S. satellite, Explorer, have helped to shatter modern man's belief in an invisible world of heaven beyond our planet, according to Dr. Luther H. Harshbarger, University chaplain, Sunday in his chapel sermon.

Since man is able to control the world with science, he believes "God is no longer a necessary hypothesis" to explain the unknown. Thus modern man's God has nowhere to live and "is a vagabond with no occupation."

Harshbarger said man in coming of age is caught in a strange paradox: "By working out his own salvation with no help

from outside he ends up in a world without images. He has inherited everything but has lost his home in the universe."

Modern man's knowledge is power, he said, "but cosmic power needs cosmic control" and "Man's knowledge, cut off from God is obtained at the price of eternal helplessness." He can produce all he needs for living except a reason.

Making a prediction about the future, he said that if our only goal is to build bigger and better machines to go faster to the moon and drop in on other planets, we will experience no spiritual fulfillment when we get there, for we will have both immense independence and frightening insecurity.

Anyone who believes that the awesome power of scientific inventions in changing times can

be used to explain our insecurity—that person lacks "historical hindsight," he said, for "all ages go through catastrophic changes as dramatic as Sputnik."

Walker to Lead Science Panel

President Eric A. Walker is playing a leading part in a national conference on "America's Human Resources to Meet the Scientific Challenge" yesterday and today at Yale University.

Walker is chairman of a panel discussion on "The Scientific Revolution: Challenge and Promise" in which will participate nationally-known scientists, educators, industrialists, government, labor and religious leaders and communications media representatives.

The conference is sponsored jointly by the William Benton Foundation and President Eisenhower's Committee on Scientists and Engineers, of which Walker is vice chairman.

HUB Gallery Art Exhibit Honors N.Y. Collector

An exhibit on contemporary art in the gallery of the Hetzel Union Building honors Sidney Janis, a New York collector.

The exhibition represents the works of eight painters. Janis opened the exhibition with a talk last night in the gallery.

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