10-Year Orbit Seen For U.S. Satellite

The United States' first satellite, the Explorer, may stay in its orbit more than 19 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."

Sputnik I or II.

The Explorar's height is about 1800 miles at its apagee (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.

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 Sput-nik was not visible over Russia because it was traveling along the twilight zone and the sky was too light. 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 distribu-tion of clouds around the earth. By mounting light-sensitive photo cells on the satellites, cyclone and huricane systems could be spot-ted, Blackadar said.

Schwab Uses Dossal, Cross

A dossal and cross adorned the worship setting in Schwab Audi-torium for the first time Sun-day as a part of the chapel service.

in the Helen Eakin Eisenhower

Cross was constructed by Edward HALF OF double room with board 243 D Zong of Roalshurg S. Pugh St. D. Zong of Boalsburg.

ICG Will Discuss **Convention Plans**

The Intercollegiate Conference

despite its light weight." The University meteorologisti said that because of the satellite's height it would probably stay up longer than either the Russian's Sputnik I or II.

Walker is chairman of a panel discussion on "The Scien-tific Revolution: Challenge and Promise" in which will partici-Sputnik I will be visible over pate nationally-known scientists, the State College area at 6:38 educators, industrialists, govern-ment, labor and religious leaders Smith sonian Institute calcula-sentatives.

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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vice. This addition was conceived in an attempt to further enhance the worshipfulness of the Uni-versity chapel services, according to the Rev. Luther H. Harsh-barger, University chaplain. The dossal and the cross were designed by Sybil D. Emerson, professor emeritus of art educa-tion, who also designed the dossal in the Helen Eakin Eisenhower 1950 FOR Doverdive, R&H. Retail \$295 for you \$235. Excellent condition. Phone bowerdailent AD 7-7848 after 5 p.m. K&E SLIDE RULE. Call Allan Naugle AD 8-8324. S50 FOR Finding buyer for 35-ft. financed AD 8-8324. COLLEGE TYPE one-bedroom trailer, air conditioned, washing machine, winter-conditioned the dossal in the Helen Eakin Eisenhower FOR BENT

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on Government will meet at 7:30 on Government will meet at 7:30 plans for attending the regional and statewide conventions. The 1-day regional convention will be held at Gettysburg and call AD 7-2831 moring or evening or will be held at Gettysburg and call AD 7-2864 from 1 to 5:30. will be held at Gettysburg and a ROOM cottage six miles East of State the state convention will be held ³ ROOM cottage six miles East of State college along 322, has current but water available not in the cottage. \$30.00 m theme of the state conclave will be a model United States Con-Sharer, Boalsburg, Pa gress. Students interested in politics, national or international affairs, Or parliamentary

As Harshbarger Sees It Man's Faith Destoyed 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 living except a reason. in his chapel sermon.

Since man is able to control goal is to build bigger and better the world with science, he be-lieves "God is no longer a neces-and drop in on other planets, we sary hypothesis" to explain the will experience no spiritual ful-

own salvation with no help

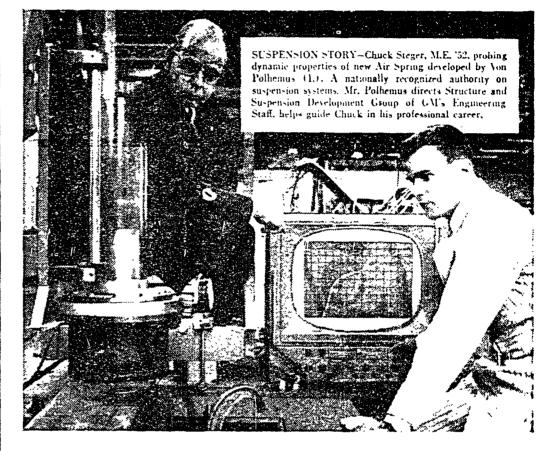
from outside he ends up in a world without images. He has inherited everything but has lost his home in the universe." Modern man's knowledge is power, he said, "but cosmic power needs cosmic control" and "Man's knewledge, cut off from God is obtained at the price of eternal helplessness.

Making a prediction about the future, he said that if our only

ventions in changing times can

be used to explain our insecurity-that person lacks "his-torical hindsight," he said, for "all ages go through catastre-phic changes as dramatic as Sputnik."





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

or parliamentary procedure may attend the meeting tonight.

Hassler Gives Address To Civil War Group

Dr. Warren W. Hassler, Jr., asthe major address at the dinner ext. meeting of the Civil War Round Table of Washington, D.C., last month. Hassler's topic was "General AD 8-0993. George B. McClellan: A Re-eval-uation."

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

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