



FOR A BETTER PENN STATE

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Early Launching Seen For Second 'Explorer'

WASHINGTON, Feb. 2 (P)—American scientists pointed today toward an early attempt to launch a second made-in-U.S.A. earth satellite, even as they began collecting scientific dividends from the free world's first baby moon.

The Army's Explorer satellite, settled solidly in an orbit that takes it around the earth every 114 minutes, was doing its workaday job of transmitting coded radio signals that report on cosmic rays, meteorites and temperatures encountered in its flight through space.

This data, to be shared with scientists of the world, will continue to flow from the explorer as long as its two battery-powered transmitters keep operating. One battery is expected to last about two weeks and the other about two months.

The satellite itself will stay aloft from two to 10 years, according to Maj. Gen. John F. Medaris, head of the Army's missile test program.

Medaris and the rocket experts who work with him at the Redstone Arsenal, Huntsville, Ala., have already made preparations for a second satellite launching. They even have picked a firing date, but they're keeping it secret.

Wernher von Braun, chief civilian scientist at Redstone, told a news conference here yesterday that a second Army launching could come anytime. He said a Jupiter-C rocket, like the one that lofted Explorer, has already been prepared and will be fired sometime between now and April.

The Navy's satellite-carrying Vanguard rocket also was ready for another try at putting a baby moon into orbit. The spectacular on-the-ground explosion of a Vanguard on Dec. 6 tarnished American prestige, already suffering from comparison with Soviet successes in space.

The Army's successful satellite launching late Friday night restored some of the luster but did not diminish the Navy's determination to get its own moon off the ground.

A Vanguard rocket is standing by at Cape Canaveral, Fla., a few yards from the Explorer launching pad, and a firing attempt is expected any day now.

Explorer, a pencil-shaped shaft six feet long, weighs 30.8 pounds. It is traveling at a speed of 18,000 miles an hour in an egg-shaped orbit that ranges from 200 to 1700 miles in altitude.



—Daily Collegian Photo by George Harrison
TRAIN WRECK involving 23 freight cars on the Pennsylvania Railroad below Skytop near Unionville caused the wreck of trailer truck and tied up traffic on route 220 for many hours on Friday. The train pile-up occurred at 2 a.m. Friday causing box cars to roll in all directions.

Poli Sci Students May Study in Paris

Students interested in political science will be given an opportunity for summer study in Paris under a program which will be offered next summer by the Department of Political Science in cooperation with the University of Paris.

A 3-credit course, "Foreign Study in Government," will be offered American undergraduate and graduate students in a

program which also will include visits to the headquarters of various international organizations in Europe. The program will begin July 5 and end Aug. 15. The residential course period is from July 6 to Aug. 3.

"French Government and Politics" will be the topic of the first week of study. "The European Community" will be discussed during the second week. The field trip, which will include scheduled visits to the International Labor Organizations in Geneva, Council of Europe in Strasbourg, and the European Community for Coal and Steel in Luxembourg, is set for the third week. The final week's theme will be "Special French Political, Social, Economic and Educational Problems."

From the end of the course until Aug. 15 the students will have 12 days to travel where they please before flying back to the United States from Amsterdam or London. They will leave New York by airplane July 5 at the start of the summer program.

Classes will be held at the Foyer des Lycennes where the students will live. Each week, four morning lectures will be given by faculty members of the College European des Sciences Sociales et Economiques of the University of Paris, Dr. R. Wallace Brewster, professor of political science at Penn State and director of the summer study program, will conduct two afternoon seminars.

Field trips planned for the Paris area include visits to SHAPE and NATO headquarters, the French National Assembly, the French Council of State, the Paris Town Hall, the University of Paris and French schools, industries and museums.

The total cost, exclusive of the Aug. 3-15 free period, but including trans-Atlantic air flights, is

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700 Ask Coverage In Insurance Plan OK'd by Cabinet

Nearly 700 students have enrolled in a voluntary health insurance program which went into operation Jan. 29 after being approved by All-University Cabinet.

Cabinet received permission from the University administration to offer the program to students, according to Robert Steele, All-University president.

Enrollment forms and information on the program will be available at the Hotel Union desk until Feb. 9. Students who sign up are covered until Sept. 10. After Sept. 10 the plan will be offered on a yearly basis.

The plan, underwritten by the Continental Casualty Co., covers students 24 hours a day at home, at school or while traveling, including during vacation periods. Students' husbands, wives, and children also are eligible for benefits, at extra cost.

During the mid-semester vacation parents of all University students received information on the program and enrollment forms. About 500 replies have been received. Information desks were maintained in Waring Hall and the HUB last week and about 175 students signed up there.

The insurance program includes three plans. Plan I costs \$10. Under it, the insuring company will pay full accident costs up to \$1000 and 80 per cent of all expenses over that to a maximum of \$7500.

The company also will pay specified sickness benefits up to \$1165. When any of the maximum sickness allocations have been used up, the student, by paying the next \$100, will be compensated for 80 per cent of his remaining expenses up to \$7500.

Plan I has been the most in demand, with about 95 per cent of the insured students requesting it.

Under Plan II, the company will pay 80 per cent of an accident and sickness expenses up to \$7500, with the insured paying the first \$500 of the expenses. This plan costs \$3.25 and was designed for students already covered by a base family plan.

Plan III costs \$8. The only difference between this plan and Plan I is that under Plan III there is no provision for coverage for accident expenses over \$1000 nor for allocated sickness expenses over \$1165.

The program now in effect was chosen by Cabinet from several recommended by the student insurance subcommittee of the student welfare committee. Subcommittee members are Louis Wondery and Edwin Henrie.

1st Course In Missiles Is Offered

Work in the mechanics of missiles will be offered by the Department of Engineering Mechanics for the first time during the spring semester.

The instruction will be included in the course, Engineering Mechanics 404, Research in Engineering Mechanics.

According to Dr. Joseph Marin, professor and head of the department, the work is being given to help meet the current need for increased numbers of engineers trained in missiles work brought about by the accelerated United States defense efforts.

Dr. George U. Oppel, professor of engineering mechanics, will teach the course. Dr. Oppel served as a consultant on missiles for the German government during World War II and during this period also was in charge of a laboratory which conducted experimental studies on missile developments.

Course topics will include "Modern Missiles," "Fundamentals of the Mechanics of Missiles," "Mechanics of Top Performance in Flight Velocity and Mass Ratios," "Mechanics of Short Range and Long Range Missiles, Satellites, Orbital Bases and their Reachability," "Guidance of Missiles."

"Influence of Design on Static and Dynamic Characteristics of Missiles and on Strength of Structural Parts," "High and Low Temperature Properties of Missile Metals and Ceramics," "Theoretical Requirements and Practical Procedure for Testing Static and Dynamic Behavior of Missiles and for Approving Material Properties Prior to Launching by Aid of Static and Dynamic Testing Devices," "Measurement and Control of Dynamic Properties of Missiles and of the Behavior of the Materials under Flight Conditions," and "Superior Missiles Development."

Soph Killed in Crash; Student Toll Hits 7

The student death toll since the start of last semester was raised to seven Jan. 23 when a sophomore was killed in an auto crash near his home at Deposit, N.Y., following examinations.

Freeman Conrad, 19, sophomore in electrical engineering, was killed when his car left the highway on a curve, traveled about 50 yards, climbed an embankment and overturned.

Conrad suffered chest and internal injuries. He also suffered partial freezing of the legs and feet since he was found until about 20 minutes after the accident.

A Simmons Hall hostess and a retired professor both died Jan. 11.

Mrs. Hazel F. Keen, 65, died

The number of students killed in highway and other accidents since September 1st: **7**

The number was 2 at this time last year.

DRIVE CAREFULLY

suddenly in her suite in the residence hall.

Leland S. Rhodes, 68, professor emeritus of civil engineering, died suddenly during a dinner at the University Club. He retired in 1955 after 36 years at the University.

James J. Burns, senior in hotel administration from Altoona, has been released from the Centre County Hospital, Bellefonte, after having his right eye removed as a result of an auto crash. Burns was driver of a car in which Jack Welsh, junior in forestry from New Castle, was killed.

State police said an inquest will be held soon to determine details of the accident and possible charges.

Walter P. Dennis, 71, father of Lawrence E. Dennis, vice president of academic affairs, died Jan. 11 of a heart attack at Mason City, Iowa.

Rumors on Exams Believed Just That

By ED DUBBS
Collegian Editor

Those rumors that final examinations were out and floating about fraternities are believed to be mainly just that—rumors.

At least no University official or faculty member is known to have been able to prove that any finals were out. However, some are believed to have doubts on just how safe their finals were.

And at least one professor didn't take any chances. He changed his examination the night before it was scheduled to be given.

Another faculty member reportedly listened to the cries of a student that the final examination was out. After hearing the story, the professor nonchalantly told the student he hadn't prepared the final as yet. Rumors that finals were out started several days before the examination period began. They soon picked up momentum.

Judging from the rumors, practically every final in the College of Business Administration was out. Other prevalent rumors had the Psychology 2 and Sociology 1 finals out.

Dean of Men Frank J. Simes—whose office attempted but failed to obtain copies of examinations—said the rumors were

more prevalent last semester than they have been in the last four or five years.

Simes said his office, working through a student, "came close" to purchasing a final. He said the deal fell through at the last moment.

Dr. Lawrence E. Fouraker, associate professor of economics, who taught a large lecture session of Economics 14 last semester, prepared a second final the night before his examination was scheduled to be given.

Fouraker had students take both finals, but graded only the one prepared the night before the examination. "I'm sure that one wasn't out," Fouraker said.

Dr. Clarence R. Carpenter, professor and head of the Department of Psychology, said he "could not possibly see how" the Psychology 2 and Sociology 1 exams were out.

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