

# 'Go!' All the Way

CAPE CANAVERAL, Fla. (AP)—Astronaut John H. Glenn Jr. soared triumphantly around the world three times yesterday and President Kennedy said he would tender a grateful nation's thanks here Friday.

The 40-year-old Marine lieutenant colonel's flight ended at 2:43 p.m. Eastern Standard Time in the Atlantic Ocean near Grand Turk Island in the Bahamas about 700 miles southeast of here.

To circle the globe three times and travel more than 81,000 miles in the process required only four hours and 56 minutes.

GLENN AND HIS capsule were plucked from the tepid seas by the destroyer, USS Noa, at 3:01 p.m. and Glenn reported, "My condition is excellent."

Finally Glenn transferred to the carrier Randolph and then proceeded to Grand Turk for examination by a special team of doctors and scientists. He will remain there 48 hours.

Glenn's first comment as his

capsule Friendship 7 descended was sent in a radio message to Project Mercury control here: "Boy, that was a real fireball of a ride."

The decision to make the third orbit, after some minor technical difficulties had developed on the first two, was Glenn's.

When asked if he wanted to try for three, Glenn replied, "Affirmative, I'm ready to go."

Even so, he landed some 45 to 55 miles short of the planned landing area after firing his braking rockets at 2:20 p.m. The reverse rockets gave him such a jolt, he cried: "I feel like I'm heading back towards Hawaii."

SALUTING THE spacemaster, President Kennedy hailed him as the kind of man of whom the country could be proud.

"We have a long way to go in the space race and we started late," Kennedy said. "This is the new ocean and I believe the United States must sail on it and be in a position second to none."

Glenn began his climb into the blue-black of space at 9:47 a.m.

Except for some minor troubles with his attitude control jets, the little gas nozzles that establish his relationship to the horizon, the entire operation was a miracle of precision rocketry.

HIS FIRST TRIP around the earth and into Wednesday, Feb. 21, and back again at mid-Pacific to Feb. 20, required only 88.29 minutes.

As he hurtled over Perth Australia, the city was lit by millions of lights, turned on by the residents, as a gesture of good will and good luck. He told the ground tracking station to "thank everyone for turning them on."

As for his prolonged weightlessness, Glenn said during the flight that he was having no trouble at all.

ON HIS FIRST ORBIT and even before he passed Africa, Glenn elected to try eating from his

squeeze bottle rations — 3,000 calories of baby food.

During the prelaunch countdown a hold was announced after a defective bolt in the hatch had been discovered. It was repaired in a few minutes.

Then came another hold. A faulty valve had turned up in the liquid oxygen fueling system. That was quickly repaired, too.

Two minutes after he began climbing toward the stars, Glenn reported all systems were "go." He reported the big booster engine cutoff two minutes after lift-off and that he was being pressed against his special fibreglass and foam rubber couch by the force of gravity.

ON LIFTOFF, the so-called gravity forces made his body weigh eight times its normal 168 pounds.

Only seconds less than three minutes after he was pushed in a low arc toward Africa, Glenn reported the escape tower had separated and he appeared to have a good trajectory.

About five minutes after launch the big Atlas booster fell away and the spacecraft was swinging free into orbit. Glenn swung his capsule around so that his braking rockets and heat shield were facing forward and he was riding backwards.

DURING THE FLIGHT he sped information back in a special word code, took his blood pressure, did deep breathing exercises, discovered his clock was a second fast and corrected it.

At one point on his first orbit, he discovered his attitude control jets were yawing the craft 20 degrees off course. At 11:30 a.m. he announced that he was taking over control of the ship and would "fly by wire."

This means he delivers hand signals for the control jets to a little black box packed with electronic gear, enabling him to control the escape of gas from the nozzles more precisely than he could by hand.

THEN CAME THE critical moment when Glenn received orders to fire his braking rockets. These slow the craft by 350 miles an hour so that the pull of gravity can take over.

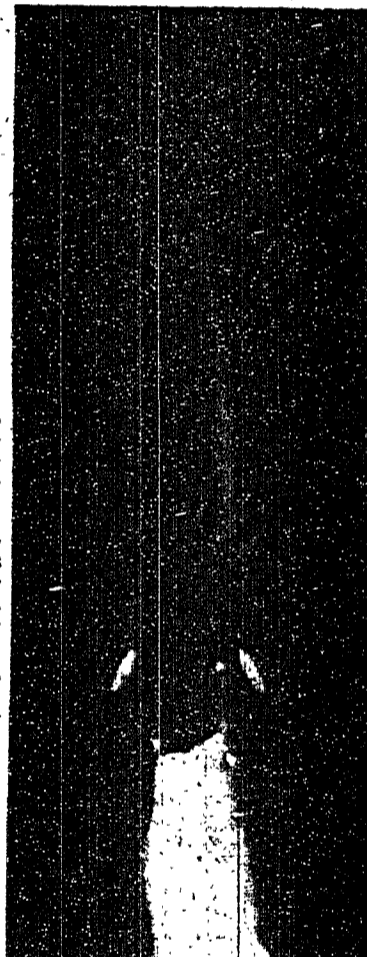
He had been advised not to drop his braking rocket package until he was over Texas. This further slowed his speed.

As he began the long bullet-like fall to earth, a six-foot parachute blossomed at 21,000 feet to slow his descent. At 10,000 feet, an air-pressure-operated device popped out a big, 63-foot diameter red and white chute, which began dropping him to the sea at 18-feet per second.

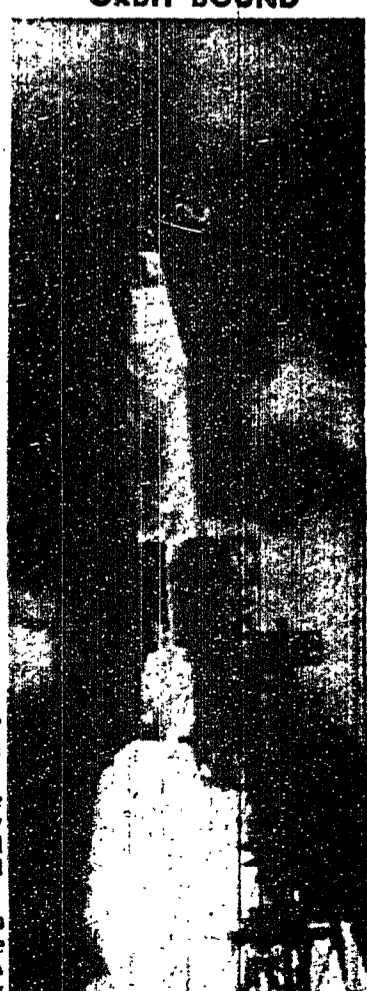
At 2:45 p.m., the destroyer, Noa under the code name "Steelhead," reported the capsule had landed two minutes earlier.



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## The Daily Collegian



FOR A BETTER PENN STATE

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# Senate OK's Budget Bill

The University's appropriation bill was passed by a unanimous vote in the State Senate yesterday after two amendments were added.

The original bill, as it came to the Senate after approval by the House, allocated \$20 million in state funds to the University.

The first amendment to the \$20 million bill was made by Sen. Jo Hays, D-Centre. It proposed that the University be given eight per cent of all state tax income which exceeds the estimated amount of revenue for the fiscal year ending July 1, 1962.

HAYS SAID THAT at present, the state revenues total \$5 million more than had been estimated for this year. If this figure does not increase, the University would get an additional \$400,000.

Hays' amendment, approved Monday, gives the remaining 92 per cent of tax excess to public schools.

Republican Sen. Harold E. Flack yesterday offered the second amendment to the bill. Flack's amendment adds \$200,000 to the University's appropriation to be used for a sewage research project. The Senate approved this amendment also.

Hays said that no means to finance this \$200,000 increase was offered on the floor of the Senate.

THE REVISED BILL will return to the House Monday for consideration. A two-thirds vote is required for approval.

"I am inclined to think that the House will not concur with the \$200,000 addition," Hays said, "but I have been told by leaders of the House that they will support my eight per cent amendment."

If the House approves the University's appropriation as amended by the Senate, the bill will be sent to Gov. David L. Lawrence for approval or veto.

If the bill is not approved by the House, it will be referred to a conference committee composed of three senators and three representatives, Hays said.

"IT WOULD BE the duty of this committee to iron out all

differences and report the result to both the House and the Senate," he explained.

Three additional amendments to the University's allocation bill were proposed by Flack yesterday. All were defeated.

In the first amendment, Flack proposed that \$2.3 million be added to the University's appropriation.

"As I recall, Flack's second proposed amendment added \$200,000 in funds for a coal research project at the University," Hays said.

THE THIRD amendment offered by Flack called for an additional \$100,000 to be given to the University for an air pollution study, Hays said.

All of Flack's amendments failed to get the majority approval required to add an amendment to a bill.

Both the Senate and the House adjourned until Monday after yesterday's sessions.

## Timetable

By THE ASSOCIATED PRESS

6:03 a.m. — Lt. Col John H. Glenn Jr. enters spaceship.

8:47—Rocker lifts off.

9:50—Escape tower falls away.

9:59—In orbit.

10:18—Glenn tells Zanzibar station off east Africa: "The horizon is a brilliant blue."

10:40—Muchea, Australia.

11:21—Completes first orbit.

11:37—Informs Canary Island station he's in great shape.

11:51—Talks to Zanzibar for second time.

12:45 p.m.—As he nears end of second orbit, he says "I am 'go' for the third."

12:58—Finishes second orbit.

2:20 p.m.—Retro rockets fired near end of third orbit in vicinity of United States western coast.

2:28 p.m.—Passed over Cape Canaveral again.

2:43 p.m.—Space ship hit water six miles from waiting destroyer Noa.

3:04 p.m.—Spacecraft lifted and deposited on destroyer deck.

3:20 p.m.—Noa radioed Glenn out of spacecraft and "hale and hearty."

All times are Eastern Standard

# Nittany Valley Overjoyed By Glenn's Orbital Flight

By MEL AXILBUND

"Elated, happy surprised, great." These were the words used yesterday by students, faculty and townfolks to describe their reaction to the launching into space at 9:47 a.m. of America's first orbiting astronaut, Col. John H. Glenn, Jr.

"I was attending a rehearsal of the University Chapel Choir when the blast-off occurred," Sandra LaBoon, junior in liberal arts from Arlington, Va., said.

"Mr. Beach was conducting but he stopped just before the actual launching so we could hear the news over the radio. I felt pride in our achievement mixed with fear of the unexpected. I had some special interest in the flight since Glenn lives in my home town."

"I WAS GLAD WE finally did it, but my fingers were crossed throughout the entire flight," Dr. R. H. Waters, professor of transportation, said.

"My interest in the launching wasn't diminished by the fact that I heard it by radio in the X-ray room at the hospital," Waters added.

"Emotionally I was excited,

Physically I was tense. My hands were sweaty and my stomach jumpy as I watched from my home yesterday morning," Mrs. Thelma Davis, secretary to the Pennsylvania School Study Council, said.

AND SO IT went all around campus. Tales of people concerned about one man and one mission. The concern shown here was private, although many first learned of our successful firing of a man into space where privacy was hard to find; in classrooms or in television lounges.

However, some managed to find a quiet spot in which to watch and contemplate the meaning of this achievement.

Richard Downham, a community development adviser from Media, said this launching would regain for the U.S. the initiative in space exploration.

ELAINE LETTIE, junior in business administration from Hazleton said the uncommitted nations of the world would take heart from our achievement.

"I don't believe most of the people of the world believe in

all the Soviet boasts," Larry Snook, a pharmacist at Rea and Derrick, said. "But we back up our claims of space achievement with facts. We conduct our tests openly, for all to see."

Robert Elmer, freshman in agriculture from Lancaster, said the scientific achievement would boost Western morale and should sway the neutral nations toward the U.S.

GLENN'S FEAT proves that the democratic ideal can produce men capable of matching the Communists," Kenneth Shuey, manager of a loan company, said.

"College Avenue was deserted," Laurence Perez, assistant dean of the College of Engineering and Architecture, said.

Not everybody knew of the launching at once however. Many classes continued uninterrupted while other people slept or carried on their daily business.

"IT WAS ABOUT 10:45 when I got the news," Justice of the Peace William P. Bell said. "A reporter from the Centre Daily Times came in to get news from

(Continued on page two)

All pictures of John Glenn's space flight which appear in today's paper are Associated Press Wirephotos. They were sent to The Daily Collegian through the courtesy of the Williamsport Sun-Gazette.

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