

# Florida Laboratory To Hold Key To Success of First Manned Missile Trip

By RICHARD F. ROPER  
UPI Correspondent  
Cape Canaveral, Fla.—(UPI)—When America's first human rocket passenger blasts off in about a year, the international spotlight will focus on what missile men here call "the world's most expensive laboratory."

This is the \$485 million Atlantic Missile Range, which begins with this once-barren sandspit on the mid-Florida East Coast and extends 5,000 miles southeast to the British crown colony of Ascension Island.

The rocket passenger, one of the seven astronauts named recently, will be hurled about 200 miles over the ocean in a prelude to Project Mercury, the nation's plan to put a man into orbit around the earth.

But although he will be highly trained for his momentous trip, the rocket voyager will play a relatively inactive part. After the blastoff, the experiment will be entirely in the hands of the men who operate the Atlantic Missile range.

**Plans Are Secret**  
Their job can be divided roughly into three phases: determining where the speeding rocket is during every second it is in flight; retrieving its nose cone from the ocean, and interpreting data on what happened to the passenger and the nose cone in flight.

The Air Force disclosed to United Press International that preparations already have started for a first man's flight aboard a rocket. The plans are secret, but a run-down on the range as it is now being operated should give some idea of the enormity of the job.

Between the Cape and Ascension are 11 other stations in the intricate tracking and data-receiving network.

These are Jupiter, Fla., about 80 miles north of Miami; Grand Bahama, Eleuthera, San Salvador, Mayaguana, and Grand Turk, islands in the Bahamas; the Dominican Republic; Puerto Rico; St. Lucia and Antigua in the British West Indies; and Fernando de Noronha, 250 miles off the coast of Brazil, which owns the island.

**Ships Are Used**  
A glance at the map will show two big gaps in this chain of data-gathering stations: the 2,236-mile span from St. Lucia to Fernando de Noronha, and the 1,225-mile jump from Fernando to Ascension. To plug these gaps, the Air Force uses specially-instrumented "ocean range vessels."

Manning the thousands of "little black boxes"—the tracking and data-gathering instruments at each station—are

nearly 2,000 men all but a handful of them civilians employed by the government.

The Eleuthera station in the Bahamas is typical of others in the group. About 140 full-time technicians and maintenance personnel are assigned there. These men work for the Radio Corp. of America, which is in charge of all instrumentation on the range, and Pan American World Airways, the range "housekeeper."

**Devices Are Complex**  
All aspects of a missile's flight performance must be measured. The Air Force does this job with high-speed cameras, theodolites (instruments which measure horizontal and vertical angles), and a highly complex device known as the azusa system.

The azusa is used to measure the position of a ballistic missile traveling 15,000 miles an hour at an altitude of several hundred miles. However, the Air Force re-

lies primarily on telemetry for information on what is happening inside a missile during flight. The telemetry devices are "black boxes" with probes extending to all parts of the missile. Similar boxes presumably will be attached to the rocket passenger.

When the missile men wish to recover a nose cone hurled over the ocean, the operation becomes more complex. Several C-54 airplanes are dispatched from Patrick Air Force Base, just south of the Cape, to the impact area where they rendezvous with ocean range vessels before the shoot.

**Miles of Tape**  
The idea is for the ships and planes to spot the cone, glowing fiery red with atmospheric friction, as it plunges back to earth from space. The planes then guide the ships to the area where the cone fell. This plan, or a variation of it, is expected to be used

to recover the first human rocket passenger. The radioed telemetry information, which continues through impact of the missile's nose cone, is taken down on tape recorders through huge antennas at the downrange stations by ships and in some cases by specially instrumented airplanes.

These tapes—hundreds of miles long—are returned to the Cape and processed in the technical laboratory, a huge building which is one of the largest in Florida. By analyzing these tapes, missile men can determine exactly what happened to their "bird" at any point in flight.

The figure of \$485 million quoted above applies only to the net value of the equipment at the Cape and the downrange stations. No estimate is available on just how much it takes to operate the downrange stations, but the cost runs into several million dollars a year.

## Back Stairs: Two Sad Situations

By MERRIMAN SMITH  
UPI White House Reporter  
Augusta, Ga.—(UPI)—Back stairs at the White House: Sadness, like the man says in the newsreels, as it must to all men came recently to two Georgia innkeepers—and all because of President Eisenhower who didn't know a thing about it.

There was the case of the DeSoto Hotel in Savannah, Ga., some 130 miles from the vacation White House at the Augusta National Golf Club. The DeSoto is a noble, internationally famous inn and the manager, Don Grady, was beside himself with activity Sunday before last, getting ready to receive the hundreds of delegates to the annual convention of the National Association of Airport Executives.

Grady had more reservations than he had rooms and was busily shifting some of the overflow to other hotels when he received a chilling telephone call. Savannah's federal customs collector is Jessie Dixon Saylor, the wife of Maj. Gen. Henry B. Saylor. The Saylor's are close friends of the Eisenhowers.

At any rate, Grady was told in the deepest, darkest confidence that Mrs. Eisenhower, complete with secret entourage, was about to arrive at the DeSoto for a visit of a day or two.

**Best Suite Included**  
The manager, more than willing to accommodate the nation's first family, bravely cast aside a few more reservations and sealed off an end

of the third floor for the President's wife, including one of the hotel's best suites and nearby accommodations for the Secret Service.

Came Monday. No Mrs. Eisenhower. Came Tuesday. Same Wednesday. By mid-week, the DeSoto was rather well convinced that the first lady was not coming, but by this time the convention was coming to an end and the heavy spenders were leaving town.

The explanation is simple: Mrs. Eisenhower didn't reserve the rooms. This was done by friends who had talked with her and hoped she would be able to visit their historic city while the President was busy on the golf course.

**Hoped for Visit**  
The other case is a bit sadder.

For 20 Eisenhower trips to Augusta, the Presidential staff and press party based at the Bon Air Hotel, a large resort establishment on the outskirts of Augusta and not far from the President's home away from home at the Augusta National.

The management hoped trip after trip that some day the President, himself, would drop in to see the reporters as had Secretary of State Dulles and a host of other administration bigwigs.

On the President's just-concluding trip to Augusta, the Bon Air was booked far in advance by a state bankers convention and the White House establishment was forced to shift to downtown Augusta and the Richmond

Hotel.

So, what happens? Eisenhower for the first time since he has been coming to Augusta, decided to hold a news conference. And where? The Richmond Hotel.

**Sen. Morse Urges Sewage Treatment Funds Stepped Up**

Washington—In his weekly radio report heard in Oregon last week, Sen. Wayne Morse (D., Ore.) and his guest, Congressman John Blatnik (D., Minn.) urged a stepped-up federal program of aid to the states for construction of sewage treatment plants.

"Pollution control is the key to full use of water resources," Morse said. "No state has a greater interest than Oregon in the proper treatment of waste. Without it, our recreation and fishing industries cannot be maintained, much less expanded. Congressman Blatnik has his enthusiastic support in his work in this field."

Congressman Blatnik is author of the Water Pollution Control Act of 1956, known as Public Law 660, which authorizes \$50 million in federal grants to communities deemed deserving by state sanitary agencies for 30 per cent of the cost of the project.

**Oregon Need Stressed**  
Morse stressed Oregon's need for appropriation of the full amount, instead of the \$20 million proposed by the President.

"Oregon's share of the full \$50 million is \$650,000; our share of Ike's \$20 million is only \$265,000.

"Yet our State Sanitary Authority lists projects in 12 Oregon communities that need this federal help, for which the federal share, if it were available in full, would be over 1 million.

"So what the President is recommending is only about a quarter of what our State Sanitary Authority finds is needed in Oregon. Only a quarter of these approved applications from Ashland, Brookings, Estacada, Eugene, Hood River, LaGrande, Lakeview, Oak Lodge, Ontario, Portland, Prineville, and The Dalles could be built," Morse said.

**Prosperity Said Surging Forward**  
New York—(UPI)—Treasury Secretary Robert B. Anderson told newspaper executives Monday the nation's prosperity is racing far ahead of the Eisenhower administration's expectations.

In a speech to members of the American Newspaper Publishers Association attending an Associated Press luncheon, Anderson reported that personal income and corporate profits have reached an all-time high and total production and industrial activity have broken previous records.

Anderson predicted a bright economic future—"without inflation," which he said was not necessarily a part of the price of progress.

More than 1,300 executives of daily newspapers were on hand for the opening day of the ANPA's 73rd annual convention.

**FISH AMONG FISH**  
Washington—(UPI)—A visitor to the aquarium reported 10 very fishy signs in view. Among them were such misspellings as "Tributaries," "Ennumies," and "Beautifull." The director promised he'll get that fish out of there and fix the signs at once.

## School News

**Eagle Point High School**  
Edited by Carole Lee West and Norma Noble

Bev Tresham, junior, received the only 4 point grade average for the first semester of this school year. Other students receiving an average of 2 or above were seniors, Dale Casey, Celeste Huffman, Georgia Weidman, Jaye McDermot, Carole West, Marion Walters, Joan Houston, Ellen Callaghan, Susie Palm, Carol Scott, Bill Turner, Marian Flowers, Pat Tresham, Norma Noble, Jean Messecar, Judy Bradshaw, Dick Duncan, Fred Jossy, and Tina Leuvenburgh.

Juniors were James Wolfe, Molly Gregg, Duane Anderson, Jo Anna Mallory, JoAnn Nolan, Linda Hunter, Mack Lemon, Lana McGraw, Glenda Root, Pat Kaiser, and Carol Smith.

Sophomores were Aedene Jensen, Sally Rodgers, Wally West, Joey Hume, Joyce Cearley, Marvin Vickoren, Jim Ackerman, Jackie Hume, Nancy Millard, Alice Wolfolk and Doris Darrohn.

Freshmen included Dick Wilson, Pat Meyer, Dick Hertager, Diane Putman, Bonne Goehring, Francis Huffman, Jack Spain and Judy Watts.

The PTSA project for the year will be to plant extensive lawns and trees, and shrubs surrounding the high school buildings. A senior park is included in future plans. Various organizations in the school have volunteered to help with the project. This will aid in keeping the bleachers clean during the wet football season.

Miss Cathy Carroll, sophomore at Oregon State college, was participating in a series of pre-student teaching activities at Eagle Point on March 23-27. The purpose of these classes was to give her an idea how home economics classes are conducted. She is majoring in home economics and she takes social science as a minor. She is a '57 graduate of Eagle Point.

The three Senior American Problems classes conducted by Mrs. Doris Smith have recently been discussing the sales tax issue in panel groups. Many heated arguments arose, but after the discussions were concluded, a vote was taken which resulted in two classes voting yes for sales tax, and one voting against it. Those opposed to the measure held that it was a nuisance while its advocates maintained that it would keep the property tax lower and put part of the state tax burden on tourists.

The GAA sponsored a Hobo Hop in March. This was held in the grade school gymnasium. Many colorful costumes were worn and a best dressed hobo couple contest was held. In this Jaye McDermot and Cyrus Dunlap won first place with Tina Leuvenburgh and Sidney Jackson close seconds. Dance contests were also held, and punch and cookies were served.

Mrs. John Huffman was elected president of the Parent Teacher Student association at a meeting held April 1. Other officers included Mrs. Beth De Haven, parent vice president; Mrs. Esther Hopper, teacher vice president; Miss Aedene Jensen, sophomore, treasurer; and Miss Lana McGraw, junior, historian. Mrs. Huffman and Aedene will attend the Oregon State PTA convention as Eagle Point representatives.

The students of Eagle Point will present a talent show on the tentative date of May 13. No definite plans concerning the prizes or the entrance requirement have been made yet. They will be announced later.

Student body elections are planned for the second week of May a day or two after an assembly which will be held to nominate candidates. The day following nominations, campaign speeches will be given. A new petition for five yell leaders will be introduced this year. If it passes, the five elected girls will also take over the activities recently held by the rally girls. The yell leaders will be elected at the same time as other student officers.

Tryouts for head majorette for next year have been scheduled for May 27. The new head majorette will be selected by Charles Martin, band director, and Carole West, present head majorette. The remaining majorettes will be

chosen next fall by Mr. Martin and the new head majorette. Instruction for all girls interested in trying out next fall will be given this summer by Carole West.

The Eagle Point debate team lost the chance to compete for the state crown when they were eliminated by Phoenix in the district tournament held at Ashland High school, March 7.

The Eagle Point team, represented by Carole Scott and Lana McGraw, tied with Phoenix after seven hours of debate with Illinois Valley and Phoenix. The final play-off round was won by a one point margin with Eagle Point in second place.

Thirteen students were installed in the Eagle Point chapter of the National Honor Society at an exercise held March 31 in the high school library.

Miss Gergia Weidman, president of the organization, acted as hostess.

Ellen Callaghan, Duane Anderson, Lana McGraw, and Suzi Chubb spoke on the four essential qualifications needed to belong to the society.

Gail Schoppert gave the advisor's response and congratulated the students who were being installed.

Students presented honor society membership cards were Pat LeQuieu, senior; Pat Kaiser and JoAnn Nolan, juniors; and sophomores Jackie Hume, Aedene Jensen, Sally Rodgers, Joyce Cearley, Ed Larson, Alice Woolfolk, Wally West, Marvin Vickors, and Jim Ackerman.

## Committee Bogs Trading Stamp Bill

Salem—(UPI)—An effort to pass out House bill 646 regulating issuance of trading stamps in Oregon failed Monday in the House State and Federal Affairs Committee by a 4-3 vote.

A motion to table the bill also failed by the same vote. Previously the Committee had tabled the bill and on the same day it took this action, the bill was taken from the table and placed in the active file.

Opponents of the bill declared that unless the bill is day there is little chance that it will get final consideration in the Senate, due to the possible end of the legislature next week.

**FAMED TREE FALLS**  
Fairhope, Ala.—(UPI)—An old magnolia tree which legend says was used as a post office by Andrew Jackson was blown down by high winds Monday. Jackson supposedly used the tree during his campaigns of the War of 1812.

room. Jeanie Wingert was the winner in Mrs. Edith Baker's room. Joyce Levtzow and Dee Forbes were winners in grade five and Larry Halme received the honor in grade six.

The art classes made clever book marks and name plates for books, under the direction of Mrs. Margaret Nesheim.

The third grade students in Mrs. Bohrer's room made attractive posters for National Library Week using the slogan "Wake Up and Read."

Catherine Watson recited the "Prayer for a Child" by Rachel Field, and showed pictures on the opaque projector to the third grade classes. This book was the Caldecott prize book for 1945. Linda Graham told the story of "Chanticleer and the Fox" by Geoffrey Chaucer, the 1938 Caldecott prize book. Diane Horning reported on "The Biggest Bear," the 1953 Caldecott prize book.

Everyone at Jackson school knows more about books and libraries after this week's observance of libraries.

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**RALLY FOR CASTRO**  
New York—(UPI)—The mall in Central Park will be turned over to supporters of Fidel Castro Friday night for a giant rally for the Cuban prime minister, Mayor Robert F. Wagner announced Monday.

**REPORTS ON CASUALTIES**  
Algiers, Algeria—(UPI)—The French army in Algeria killed or captured 687 rebels last week, army headquarters said today. French losses were put at 18 dead.



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