Vanguard More Than Just Taxi Cab For Satellite

By JOHN A. BARBOUR
Associated Press Science Reporter

NEW YORK (AP) — Vanguard's rocket—which failed in its climb toward space—is more than just a satellite taxi cab.

Vanguard is the proving ground for a highly sophisticated rocket design.

Actually Vanguard's advanced design is a hazard as well as an advantage.

Army rocket expert Wernher Von Braun, whose Jupiter-C rocket system sent the first American satellite into orbit, compared the Vanguard with the Jupiter-C.

But in practice, he said, the Vanguard is so sophisticated it is a little difficult to launch while the Jupiter-C is based on older and more proved—even more obsolete—designs.

Faces Many Questions

Kurt R. Stehling, the man in charge of Vanguard's propulsion system, says that the Vanguard is facing a whole battery of rocket questions—more than other rockets had tackled at one time.

Everything about the Vanguard is designed for close to peak efficiency.

That goes for the way it burns its fuel, the amount of fuel it burns, the guidance system, the alignment, weight and the way the various engines separate in flight and fall away.

While some other rockets are allowed fudge factors—margins of error—the Vanguard allows for little error.

In the firing of a rocket, the smallest error can manifest itself in flame and destruction.

In overcoming these errors and the problems which have twice destroyed their flight tests, Vanguard's builders hope for a major advance in rocket propulsion, as well as an orbiting satellite.

Byron Markillie Death In Michigan Revealed

Word has been received of the death of Byron (Bert) Markillie, 94, a former resident of Roseburg, by his relatives here. He died Monday at Freemont, Mich. Survivors include two sons, Charles Markillie, Roseburg; Richard of Oakland and a daughter, Ida Williams of Roseburg; three other children living in Michigan and a number of grandchildren and great-grandchildren.

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Pan American Flight Denial Affirmed By Ike

WASHINGTON (AP) — The Civil Aeronautics Board decision to deny Pan American World Airways the right to serve Seattle and Portland, Ore., on its "great circle" route to Tokyo was affirmed Tuesday by President Eisenhower.

In announcing the President's action, the CAB said the route would duplicate service which Northwest Airlines now is authorized to perform.

The decision was recommended by the CAB last summer, but Eisenhower withheld final action until the board provided more recent information on the increasing flow of transpacific passenger traffic.

A Portland-Seattle to Tokyo route now is being flown by Pan American via Hawaii. Last year the airline was authorized to fly a great circle route to Tokyo from San Francisco and Los Angeles.

Northwest flies to Tokyo from Portland and Seattle via Anchorage, Alaska.

President Hosts Nation's Scientists

WASHINGTON (AP) — President Eisenhower didn't let a cold dampen a coming out party for the nation's top scientists at the White House last night.

Smiling and reporting he felt much better, the President presided with Mrs. Eisenhower at the first state dinner to which leading scientists were invited.

Although it was actually a science-military dinner, the scientists, including four Nobel Prize winners were in the majority among the 98 guests.

There was a special air of excitement because most of the guests had never been to a glittering White House formal affair and because while the dinner was under way the Navy was trying to launch its Vanguard rocket.

Some three hours after the guests had left the White House the Vanguard fizzled again.

Vanguard project director John P. Hagen drank a toast in champagne "to our baby," and then stayed up to await word from Cape Canaveral, Fla.

The President had greeted both Hagen and Wernher von Braun, designer of the Army rocket that launched the Explorer satellite.

Portland Bus Problem Grows More Serious

PORTLAND (AP) — The threat of a halt to Portland's mass transportation service Feb. 27 grew in seriousness Wednesday.

There remained a few avenues of settlement after the Rose City Transit Co. said Tuesday it was not bluffing, but they called for a sharp about-face on the part of somebody.

There was no indication that anybody would budge from the positions which created the stalemate in this city of 400,000.

The history went briefly like this:

Rose City Transit, a company owned in San Francisco, asked the City Council to increase fares from 20 cents a ride to 25 cents.

State Public Utilities Commissioner Howard Morgan, who had been having sharp arguments with Portland Traction Co., whose interurban lines have the same ownership as Rose City Transit, cautioned the council that he has the right to review rates.

Four of the councilmen took the city attorney's word that Morgan was wrong, but Commissioner Ormond R. Bean, himself a former state utilities commissioner, said he wouldn't bypass the state and put in the higher fare by emergency ordinance.

The company gave the city a deadline that could be met only by emergency ordinance.

Tuesday, state Atty. Gen. Robert Y. Thornton in an opinion upheld Morgan's right to review the fares and Morgan said he probably wouldn't approve the increase. So Bean stood fast in his opposition and the company said it wasn't bluffing and would quit business.

There the matter stood Wednesday with the next move a City Council vote set for Thursday on a regular ordinance to increase the fare. It can't become effective by the company's deadline.

Peeping Tom Case Ends In Mistrial

Lack of positive testimony brought about a mistrial in the case of John E. Millhollin, 32, Trinidad, Calif., Tuesday in Drain justice court.

Judge Warren T. DeLaVergne declared a mistrial when the complaining witness was unable to positively state that Millhollin had been looking into her window. He had been charged with being a Peeping Tom.

After the mistrial was declared, Millhollin was charged with vagrancy to which he pleaded guilty. DeLaVergne sentenced him to three months in the county jail but said he was to be released to his wife or minister.

The judge also said that after Millhollin's release the balance of his sentence will be suspended as long as he stays out of Douglas County.

1 Killed, 7 Hurt In Second Bus Crash In 2 Days

DUNNIGAN, Calif. (AP) — California's second interstate bus accident in two days injured seven persons Tuesday, one of them seriously.

The highway patrol said a Continental Trailways bus pulled out to pass a lumber truck, then spotted an oncoming car and elected to crash into the rear of the truck rather than collide headon with the car.

The bus was traveling from Seattle to Los Angeles when the accident occurred in the rain on U.S. 99W near this Sacramento valley town 20 miles north of Woodland.

Listed as seriously hurt was Dicksie Jean Murphy, 19, Seattle.

Neither the bus driver, Mancel C. Smith of Sacramento, nor the truck driver, John A. Jackson, were injured.

The truck was not damaged and no citation was issued.

A truck-bus crash in the Sierra Nevadas near Donner Summit Monday night killed two persons, injured 17 and tied up traffic on Highway 40 overnight.

Vanguard Head Promises Re-try

WASHINGTON (AP) — Despite disappointment at Project Vanguard's second failure early today, director John P. Hagen said he will try "as soon as we can" to send up another satellite rocket.

His words were echoed by Dr. Richard W. Porter, chairman of the satellite technical panel for the International Geophysical Year. "As soon as possible," was Porter's comment.

But neither would hazard a guess as to when a third test attempt will be made, or comment on the failure's effect on a schedule which calls for a fully instrumented satellite to be placed in orbit next month.

Hagen, a mild man who never swears, cut loose with an "Oh, no!" when the second rocket was destroyed in flight, after deviating from its course and breaking into two pieces.

Hospital News

Mercy Hospital
Admitted

Surgery: Mrs. Joe Ham, Myrtle Creek; Cris Jenelli, Roseburg.

Medical: Mrs. James Casconi, Roy Hatfield, Mrs. Ivan Clason, Roseburg; Mrs. Donald Rhodes, Drain; Hazel Allen, Oakland; Mrs. John Kirkham, Glendale; Ramon Nichols, Dillard.

Discharged

Mrs. Gale Madison, Oakland; Kirby Ohmie, Mrs. Edward Bender, Sutherlin; David Perreault, Mrs. Frank Johnson, Roseburg.

Douglas Community Hospital
Admitted

Surgery: George Crocker, Mrs. Dwane Barmore, Roseburg; Mrs. Ralston Cole, Oakland.

Medical: Mrs. Francis McCarthy, Mrs. Gary Hilbert, Mrs. Wilbur Linkler, Roseburg.

Discharged

Barbara Johnson, Timothy Diaz, Rudolph Smith, Mrs. George Rooney, Susann Ryerson, Mrs. Chester Nordling and baby, Jan Evon, Roseburg; Alfred Clair, Mrs. Alva Mauldin and baby, Loalea Ellen; Nancy Sypher, Tenmile; Mrs. Leonard Hanson, Earvin Hansen, Winston; Mrs. Ray John, Winchester; Orville Lovins, Dillard.

U. S. Plywood Plans Explained By French

(Continued from Page 1)

ments included addition of the chipper and barker, cutting down on the burner operation, re-enforcing the green end with steel, providing for its use indefinitely and, installing a boiler plant with steam capacity up to 124,000 pounds.

Improved Method

As to establishing the new $1,000,000 plywood plant, French said that the reason behind it, despite facing present economic conditions, was "we think we have improved methods of manufacturing to manufacture plywood at a profit."

"We are not being conventional," he offered.

As illustrations of this, French pointed to such processes to be used as "steaming the veneer, use of mobile equipment in cutting down the cost of moving the veneer through the plant, reversing the customary elevating procedure on the dryer feeder and providing easy access for maintenance work.

French optimistically wagered that the plant will be ready to begin its operations on the scheduled March 3rd opening when 250 men will be employed.

As to the future, "that," he said, "depends upon our development."

CHAINS STOLEN

Theft of five binder chains from trucks owned by Arnold Hansen was reported to state police today by Mrs. W. D. Weaver, 665 W. Horton St. She said the trucks were parked behind a building on NE Stephens St.

McElroy To Direct All Outer Space Plans For Present

WASHINGTON (AP) — President Eisenhower said Wednesday Secretary of Defense McElroy will direct all outer space programs in the Defense Department at this time.

Eisenhower told his news conference the scientists who are advising him expect to work out a program of outer space developments which they believe are possible and probable.

He said this program will be distinct from defense projects in the space field.

The defense program will be pushed under the direction of McElroy and his assistants, the President said.

Eisenhower said that Wernher von Braun and other scientists would be among the last to predict any timing for projects such as sending a rocket to the moon.

But he said the scientists who are now working for him intend to rough in a program of outer space achievement. He said they are not so much interested in a time schedule as they are in organizing for space projects.

The President made his news conference comments as Republican senatorial leaders lined up solidly against any hasty move to take control of satellites and space weapons programs out of the Defense Department.

McMinnville Plan Told Sutherlin Chamber

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fuel and no pool of skilled labor.

All are factors which industry inspects before moving into an area, Elliott said.

Then someone struck the idea of making risk capital available. Present-day banking regulations preclude granting of "character loans."

Soon, a party with an industrial plan was contacted, and businessmen in the city raised $36,000 as risk capital. That deal folded, but the $36,000 still was available.

From that point, McMinnville has progressed.

Results Obtained

Some results, Elliott said, have been a broadened tax base and pride in the community.

Before the industrial surge, bonds for a new junior high school had been defeated twice. Now the city has an $800,000 school and a $175,000 municipal pool, both approved by confident citizens.

At the same time, the tax rate has been lowered.

The Sutherlin Chamber agreed to take a go-slow attitude in adopting any similar plan. It was suggested that some capital aid might be extended to existing industry.

The chamber moved, however, toward gathering facts about local transportation and industry. Letters are to be sent to California Oregon Power Co., Southern Pacific Co. and others to learn more about rate structures.

Greyhound Buses Remain Idle; Hearing Slated

(Continued from Page 1)

the drivers if the appeal went against the fired man was uncertain. At union headquarters no one would comment, saying that the strike was unauthorized in the first place, and the men had been told by the union to get back to work.

The company pinned its hopes on early settlement on the federal court hearing. Its complaint says the union, the Motor Coach Employees Union, "permitted, inspired, directed or condoned" the walkout, and it asked an injunction against the union and damages from it for company losses.

Coastal points have no other bus service and no rail lines. Only Astoria and North Bend are served by air. Inland cities of Western Oregon have access to the Southern Pacific railroad and to Continental Trailways.

BIRTHS

Mercy Hospital

TRAVIS — To Mr. and Mrs. Robert G. Travis, Box 265, Riddle, Jan. 29, a daughter, Edith Marie; weight 6 pounds 14½ ounces.

VASEY — To Mr. and Mrs. James D. Vasey, 2494 SW Frier, Roseburg, Jan. 29, a son, James Daniel; weight 8 pounds 8 ounces.

JOHNSON — To Mr. and Mrs. Charlie B. Johnson, Box 292, Dillard, Jan. 30, a daughter, Mary Jane; weight 8 pounds 1 ounce.

WADSWORTH — To Mr. and Mrs. Gregor Wadsworth, Rt. 1 Box 500, Roseburg, Feb. 1, a son, Scott Alan; weight 5 pounds ½ ounce.

Famed Physicist Named NATO Science Advisor

PARIS (AP) — Dr. Norman F. Ramsey, famed Harvard University nuclear physicist and wartime radar pioneer, has been named top science advisor to NATO, official sources said Wednesday.

Ramsey will take over the newly created post set up last December when President Eisenhower and other NATO government heads recognized the need for a top scientific brain to advise NATO Secretary General Paul-Henri Spaak.

Russian Press Assails U. S., Other Attaches

MOSCOW (AP) — The Soviet youth paper Komsomol Pravda called four American, British and Canadian air attaches "hooligans" Wednesday and another newspaper attacked U.S. correspondents in Moscow for stories they wrote months ago.

The attaches were accused of "behaving like hooligans" on a train and later messing up a hotel room.

The correspondents who came under attack were William J. Jordan of the New York Times and Howard Norton of the Baltimore Sun.

Attacks in the Soviet press on U.S. newsmen are not unusual. But Western diplomats here were puzzled by the timing of the attacks since only a little more than a week ago the United States and the Soviet Union signed an agreement for cultural exchanges in Washington. These diplomats agreed the timing was not accidental.

The newspaper Soviet Russia criticized a series of stories Jordan did for the New York Times on the Russian people last summer.

Soviet Russia objected to Jordan's remarks that subjects of his interviews were not necessarily typical and that their standards of living were good by Soviet standards. He also was criticized for his "chronic distrust of the peaceloving policies of the Soviet government."

White Girl Is Beaten By Young Negro Boys

CHICAGO (AP) — A 11-year-old white girl was beaten and brutally slashed by a gang of teen-age Negro boys as she walked to a South Side grocery last night.

Four Negro boys were seized at their homes and were held by police for questioning. Police said one of the boys was wearing blood-stained shoes. The boys, police said, told conflicting stories.

Police Commissioner Timothy O'Connor directed some 230 detectives and patrolmen in a search for the attackers.

Lt. Donald S. Keevers aid the girl was dragged through an alley to the rear of a building, stripped of her Brownie scout uniform, beaten and stabbed.

Yoncalla High Board, Budget Group To Meet

The first 1958 meeting of the Yoncalla High School Board and its budget committee has been scheduled for tonight.

Members of the committee are Russell Wamsley, Gerald Johnston, Bun Moody, Harold Dodd and Warren Sherley.

Wayne C. Flynn, principal of Yoncalla High School, was offered a five year contract by the high school board at the board's last meeting, Jan. 29. Flynn tentatively agreed to accept the contract.

INJURED FATALLY

PORTLAND (AP)—John Schwartz, 79, Portland, was injured fatally Tuesday in an automobile accident in the north district.

It was the state's 35th traffic death of the year and the fourth of the month.

BICYCLE THEFT TOLD

Jack Cummins, 834 W. Nebo St., reported the theft of his son's blue and silver bicycle to Roseburg police Tuesday. He said the bike was taken from their property Monday evening.

68-Degree Temperature Record High

Tuesday's 68-degree temperature reading in Roseburg set a new record high for any February day for records kept at the Roseburg Aprport station of the U.S. Weather Bureau since 1953.

The previous record of 66 was set a year ago on Feb. 26. Prior to that time for records kept in downtown Roseburg, the all-time high February record was 79, and was set in 1932. Weather bureau statistics have been kept here since 1877.

A storm expending itself over the west coast brought rain and wind to central Douglas County in lump sums late Tuesday and early Wednesday. About .12 of an inch of rain fell hereabouts during the 24 hours ending at 8 this morning, accompanied by brisk winds.

According to the Roseburg office of the U.S. Weather Bureau, the storm has now backed out into the Pacific Ocean after making minor upsurges the past day.

The five-day weather outlook for this area calls for heavy precipitation with frequent showers, totalling about one inch. Temperatures will remain near normal.

Vanguard Missile Destroyed In Flight

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the only satellites in the skies.

Experts had hoped that the lessons learned from that first failure would help pave the way to success on the next attempt, but officials emphasized before today's attempt that the odds against getting the Vanguard's 3¼-pound moon into orbit still were 1,000 to 1.

Rocket Leaves Ground

The slender, 72-foot rocket left the ground surely and gracefully, riding a witch's broom of lemon-colored fire straight up into the blue-black sky.

Its blazing exhaust lighted the countryside and the roar of its engines shook sleeping persons awake for miles around.

Observers watching the blastoff from vantage points inside the test center shouted as the Vanguard began its arrow-true climb. But their cheers died in their throats when they saw the missile incline too sharply, break up and plunge back toward the moonlit Atlantic.

One huge ball of brilliant fire seemed for a moment to be spinning back in the general direction of the test center and an alarmed observer yelled: "Look out, it's coming our way!"

But the fireball disappeared as it neared the ground. At the same time, other sparkling fragments were seen plummeting into the ocean two to three miles offshore.

Secrets Taken Off Bows And Arrows Project Of WWII

WASHINGTON (AP) — The Defense Department has lifted the lid from its secret bows and arrows project of World War II.

The evidence shows it was no laughing matter, although jokes were made when its existence first was publicized.

Rather, it was a subject of deadly seriousness — an attempt to give American agents and cloak and dagger personnel a quiet, effective means of killing the enemy.

The bows and arrows project began in 1943 when the Office of Strategic Services said it needed some "silent, flashless weapons" in dealing with such persons, for instance, as enemy sentries.

Research was undertaken at Northwestern University where two dozen engineers, physicists, mechanics and draftsmen came up with working models of rubber band-powered weapons resembling medieval crossbows of King Arthur's time.

One model was found capable of killing a man at 25 yards. Another at 50 yards.

The researchers tested the effectiveness of the weapons by firing darts into big chunks of horsemeat. The deadliness of the weapon was apparent when the lowest powered model penetrated the meat deeper than a .22 caliber pistol bullet.

Dry Cleaners, Retail Merchants Hold Talks

An impromptu discussion was held Wednesday night, sponsored by the United Dry Cleaners Assn. of Roseburg, at which they discussed with Roseburg retail clothing merchants the serviceable and non-serviceable cleaning phases of clothing.

The meeting was held at the Umpqua Hotel with seven dry cleaning establishments in the Roseburg area represented and six retail merchants represented. All merchants were invited and an additional meeting is planned for the future.

Clarence Honn, president of the dry cleaners' association, described the meeting as one for "working in closer cooperation with the merchants of the area, in benefiting the buying public here."

The dry cleaning group pointed out that items of certain fabric sold in stores are not adaptable to dry-cleaning and washing methods. The dry cleaners attempted to distinguish between items of serviceable and non-serviceable cleaning nature to the retail merchants in order to suggest possible tips for future wholesale purchasing.

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