

Pacific Splash To End Cooper's 22-Orbit Flight

CAPE CANAVERAL, Fla. (UPI)—L. Gordon Cooper, 36, whirled through the final orbits of America's greatest space flight today toward splashdown in the Pacific this afternoon.

The Air Force major long since had logged more hours and miles in space than all of his American

predecessors combined. Shortly after the 147-pound astronaut started his 19th orbit at 8:45 a.m. PDT—less than five laps from his goal—flight controllers reported that weather conditions in his Pacific recovery area were "pretty good."

As of 9:30 a.m. PDT, the space

agency said, everything was set for a triumphant conclusion of the 22-orbit flight which Cooper began with a flawless liftoff at 6:04 a.m. Wednesday.

Said an agency spokesman: "Recovery forces, weather, and all our people in those areas are

Waiting to pluck Cooper and his Faith 7 spacecraft from the sea about 100 miles southeast of Midway Island where the aircraft carrier Kearsarge, with 2,156 men aboard, and two destroyers.

"We are sure he will get a warm welcome," said Lt. Col. John A. (Shorty) Powers, spokesman for the Mercury man-in-space program.

Cooper In Good Shape

Cooper, refreshed after the first long sleep ever taken by an American in space, had been described as in "very good shape" as he soared at more than 17,500 miles an hour toward the climax of a trail-blazing flight for U.S. moon journeys of the future.

Already the question was being raised as to whether Cooper's flight would wrap up the \$500 million Mercury project, which is to be followed by the two-man Gemini and Apollo moon programs.

Space officials said it was too early to say. But the national Aeronautics and Space Administration had stated previously that a successful mission by Cooper would wind up Mercury.

D. Brainerd Holmes, director of NASA's office of manned space flight, put it this way: "We're up to this time delighted—the flight's not over yet—we'll do our cheering when he gets back."

NASA officials estimated that

braking rockets on Cooper's 3,000-pound spacecraft would fire at 4:02 p.m. PDT about 170 miles Pacific about 100 miles southeast of Midway Island at about 4:23 p.m. PDT.

Return Is Complicated

That would put his splashdown in the Pacific recovery area at about 4:20 p.m. after a sharp plunge during which Cooper's weight would jump about 7½ times under the forces of deceleration.

Powers warned that the braking maneuver, called retrofire, is a complicated and difficult timing operation. Ships and planes were ready to get quickly into action if Cooper should miss the landing bullseye.

Cooper had elected to stay aboard his spacecraft until it was hoisted aboard the Kearsarge rather than let himself be lifted aboard a recovery helicopter.

Space officials said Cooper awoke from his space sleep around 3:25 a.m. PDT, calm and relaxed.

The Air Force major got his go-ahead to complete his pace-setting assignment at 6:37 a.m. PDT, 24 hours and 33 minutes after he rocketed into space Wednesday.

The blue-eyed astronaut, drifting

The go-ahead meant that everything continues to go well. Cooper will splash down in the Pacific about 100 miles southeast of Midway Island at about 4:23 p.m. PDT.

This will climax the most ambitious space venture yet attempted by the United States. Already Cooper's flight had amassed piles of information which will help America shape its Apollo program to land men on the moon before 1970.

He had set a new U.S. record for time spent in space and had guaranteed for himself the distinction of having made the third longest orbital flight in history.

This was assured at the 25-hour, 19-minute point in Cooper's flight after 440,000 miles of space travel.

The No. 3 honor previously belonged to Soviet cosmonaut Gherman S. Titov who flew 17 orbits in 25 hours and 18 minutes on a 437,500-mile trip Aug. 6-7, 1961.

Soviet Maj. Andrian Nikolayev holds the record with a 64-orbit flight Aug. 11-15, 1962, which lasted just under four days. He flew 1,615,000 miles.

Runnerup is Soviet Lt. Col. Pavel Popovich who flew 48 orbits in just under three days Aug. 12-15, 1962. His distance was 1,243,000 miles.

"All systems are go, the astro-

naut is go, and he has been given 'go' decision" for the full mission, Flight 35, which will take them

to Los Angeles. They will leave Los Angeles for Honolulu at 12:30 p.m. PDT Friday on a Pan American jet.

Although they took their luggage out of storage, they did not start packing immediately. Hawaiian leis were expected to be delivered to the Cooper home later today.

Mrs. Cooper and the girls tried to listen to Cooper's voice on a special radio receiver as he made his 16th orbit but failed to hear anything intelligible.

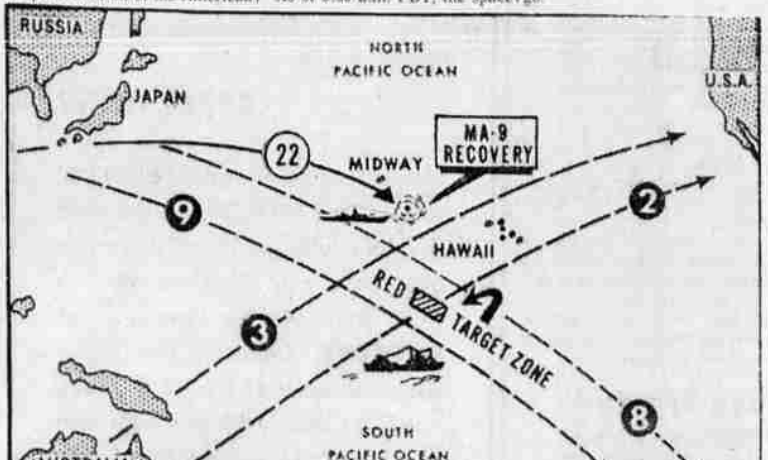
Mrs. Cooper said Wednesday's reception of her husband's voice transmissions was poor. But she said she did hear her husband's voice.

"It was very comforting to hear," she said.

Mrs. Cooper will not talk to reporters until her husband is safely down from his flight.

Pls. Dave Schwartz, public affairs officer for the national space agency, said, "with this textbook flight, they couldn't be less than pleased."

Throughout the day, Mrs. Cooper and the two girls followed the progress of the Faith 7 on television. The girls went outside during Cooper's sixth orbit, however, and played badminton in the backyard with two neighbor girls. Mrs. Cooper called the liftoff of her husband's rocket Wednesday "beautiful."



COOPER SPLASH PINPOINTED—When Astronaut Gordon Cooper has completed his full 22 orbits of the earth he will have flown over more than 100 countries and possessions and made four passes over the Red Target zone as shown in the newspaper above. When his full mission is completed, Cooper will splash down, arrow, about 100 miles southeast of Midway Island in the Pacific at 4:23 p.m. PDT.

—UPI Telephoto

Astronaut's Family Books Passage On Hawaii Plane

TAYLOR LAKE VILLAGE, Tex. (UPI)—Mrs. L. Gordon Cooper and her daughters broke out their luggage today and booked passage on a jet plane to Hawaii.

They plan to join astronaut Cooper at Honolulu after he comes down. Mrs. Cooper awoke today about the time her husband awoke himself from a sound sleep in his Faith 7 spacecraft.

An hour later, Mrs. Cooper awoke her daughters, Camala, 14, and Janita, 13. Jan prepared a breakfast of scrambled eggs and toast.

They plan to leave Houston Friday morning on National Airlines Flight 35, which will take them

to Los Angeles. They will leave Los Angeles for Honolulu at 12:30 p.m. PDT Friday on a Pan American jet.

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In The Day's News

By FRANK JENKINS

The Big News today? It's still Astronaut Cooper.

As this is written, he has just been given the nod to go ahead and complete his full 22-orbit mission. The go-ahead means that if everything continues to go well he will splash down in the Pacific 100 miles southeast of Midway Island at 4:23 p.m., PDT.

Not "about 4:30 or thereabouts," as we would say here on earth if calculating the time at which we will probably get home from a trip. At 4:23 p.m.

The space scientists have no use for the word "about." They do it right on the button. (If all goes well.)

Why the careful timing? Well, FUEL had nothing to do with it. FUEL isn't a problem when you're orbiting out in space. The problem is AIR. Astronaut Cooper is geared for NO MORE than three days. That's the limit of the oxygen supply in his craft.

He took his air with him, just as you would take water along on a safari into a waterless desert. Going into the desert, when your water's gone you're a goner.

When Major Cooper's air is gone, he's a goner. Hence his time limit.

WHY the flight? It wasn't just a stunt to see if we could do it. We KNEW—barring the totally not-to-be-expected—we could do it. We had done it twice before—and what one has done twice before one is fairly confident one can do again.

The problem was one of WEIGHTLESSNESS and air. Especially weightlessness. The astronaut can carry his air in the form of oxygen. Lack of weight is a bane of another color.

What is weightlessness? It is a measure of the amount of force with which a body is pulled toward the earth by gravity. At the center of the earth, a body would have no weight at all because it would be equally attracted in all directions.

The scientists tell us that the farther a body is from the center of the earth the less will be the force of gravity and therefore the less weight it will have. Because the earth is FLATTENED at the poles, a mass of iron which weighs 1,000 pounds at the equator will weigh five pounds MORE at the poles—because the poles are nearer to the center of the earth than the equator.

So—The farther out in space man gets the less WEIGHT there is until the point arrives where there is no weight at all. If you should drop your watch out there in far distant space it won't fall to the floor and be damaged. It will just FLOAT AROUND.

We need to know more about this business of weight and the lack of it. That's one of the reasons for these space flights.

What about the air? We think of it as LIGHT. It isn't. It's HEAVY. Believe it or not, the air pressing down on this page as you read it weighs nearly HALF A TON. Incidentally, the weight is less at Klamath Falls than at Medford or Roseburg because Klamath Falls is HIGHER UP and doesn't have so much air resting on it.

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Weather

Klamath Falls, Tulelake and Lakeview —Fair tonight and Friday with low tonight of 22-24, high Friday 75-77. Variable winds 5-12 m.p.h.
High yesterday 45
Low this morning 34
High year ago 42
Low year ago 38
Precip. past 24 hours Since Jan. 1 4.93
Same period last year 7.01

Herald and News

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Education TV Budget Gets Okay

SALEM (UPI)—A trimmed educational television budget of \$906,900—with a feature designed to stimulate state and local school participation—won legislative committee approval Wednesday.

The Ways and Means Education subcommittee voted for the sum, which is \$37,100 less than the governor had proposed.

Furthermore, \$70,000 of the sum approved by the subcommittee would be available only if the higher education system, the education department, or local school districts put up \$2 for each \$1 of state money.

Rep. John Mosser, R-Beaverton, expressed hope that would encourage the state's school and college systems to take part more seriously in educational television.

The subcommittee abandoned a proposal to put educational television and radio under an independent council and decided to leave it under higher education, where it is a semi-independent branch.

Most of the money approved by the committee for the 1963-65 biennium, \$606,900 of it, would go to the system for cultural broadcasts and its "College of the Air."

Of the rest, \$90,000 would go to the Department of Education for school programming.

The effect of the budget approved by the subcommittee would be to hold back the expansion of the 5-year-old state educational television system, which had hoped to increase its broadcast hours. Educational radio is included in the budget.

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OPERATION TURNAROUND—Kingsley Field airmen begin refueling two F101 Voodoos, jet fighter-interceptors, in one phase of a "turnaround" carried out soon after the aircraft landed at the field. In a turnaround operation, the fighter planes land, taxi to the ramp and shut down. Airmen then refuel the planes from petroleum

trucks, and if necessary, reload them with the proper armament for the next mission. Aircraft land, are refueled, rearm, and returned to the skies in less time than most racing pit stops. A "turnaround" and other demonstrations will be performed during an open house at the airfield, Armed Forces Day, Saturday, May 18.

Armed Forces Day Observance Set

A day-long slate of activities commemorating Armed Forces Day followed by the dedication of the site for the proposed Intercommunity Hospital are in prospect for residents of the Klamath Basin next Saturday and Sunday in one of the most eventful weekends planned for Klamath Falls in recent years.

The two-day schedule of events opens 10 a.m. Saturday, when a parade of marching units, motorized floats and mobile exhibits pass along Main Street in one of various activities for Klamath Falls, Kingsley Field, and the Air Force Station at Keno in celebration of Armed Forces Day.

At 2:45 p.m., Sunday, the week-end program ends with the dedication of the hospital site, near the new OTH campus, by Rev. John D. Reynolds, pastor of the Methodist Westminster Presbyterian Church, who will be among

a number of guests in a ceremony in which William B. Sweetland will be master of ceremonies.

The guest speaker at the dedication will be U.S. Senator Barry Goldwater of Arizona.

Senator Goldwater, who is to be the honored guest at a military banquet at Kingsley Field later that evening, will arrive with his entourage at the dedication site in a helicopter (H-43).

The aircraft will depart from Kingsley Field and then hover several inches above the hospital site while the senator and his party of five deplane near the speaker's platform.

Accompanying the senator, who is a major general in the U.S. Air Force Reserve, will be Maj. Gen. Henry R. Spicer, commander, 23rd Air Division, McChord Air Force Base, Tacoma; Col. Leon Gray, commander, Portland

Air Defense Sector, Adair Air Force Station, Corvallis; Col. William Pitts, aide to the senator; Col. Edwin J. Wittenburger, commanding officer of Kingsley Field, and Mayor Robert Veatch.

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Small Tax Increase Noted In Tentative City Budget

A modest increase of \$19,663 in the tax levy will be necessary to finance the budget for operation of the city of Klamath Falls during the 1963-1964 fiscal year.

The city budget committee has yet to formally approve the fiscal year budget, but it has processed it thoroughly and has tentatively approved a combined city budget of \$1,928,106.06.

Estimated revenue from all sources except taxes for the city amounts to \$624,110. Cash on hand will be \$556,385.06, and \$183,866 derived from transfers.

This leaves a total to be levied in property taxes to meet the budget of \$624,162. It is expected that \$62,417 will be uncollectible during the 1963-64 year, leaving a net tax levy of \$561,745 for budget purposes.

The total budget is composed of \$604,010 for general fund administrative budget, \$648,842 for departmental budgets and \$675,244 for involuntary budgets covered by special tax levies.

The total budget represents an increase of about \$109,000. Of this amount, expected revenue will absorb about \$80,000 of this increase, and a balance of \$19,663 will be levied via taxes. This amount amounts to the permitted six per cent increase over the amount levied for this purpose last year.

The increases in the city budget are entered mainly in the general fund budgets which show a

net increase of \$78,500. Another \$22,000 increase is in the voluntary budgets which are supported by funds from other than property tax sources.

The major portion of the \$78,500 increase comes in two departments, the police department budget which is up \$40,000 and the street department which is up \$30,000. The general administrative budget is down \$18,000 and the legislative budget \$500. This decrease is absorbed in modest increases in other budgets such as \$4,000 in the legal, judicial budget, \$1,500 in the planning department, \$3,000 in the sewer department, \$2,000 in the engineering department, \$6,500 in the fire department and \$3,000 in the dog pound funds.

Actually, the major share of the increase in the police department budget comes about from a transfer of expenditures usually carried in previous years under the parking meter fund. Some \$34,000 in salaries has been transferred from the parking meter fund to the police department fund, leaving an actual increase of \$4,000 in the police department expense for 1963-1964 year. Much of this comes about for salary adjustments and minor increases in other items. The item of prisoner meals of \$7,000 was formerly carried in the administrative budget and has now been moved into the police department budget.

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Boards Set Election Day

The Klamath County School District and the Klamath Falls Elementary District No. 1 jointly agreed this week to hold a special county-wide election, June 10, on the proposal for single district reorganization.

Attorneys for both districts are working together to draw a ballot title and legal notice of election.

Ray Hunsaker, city school superintendent, will write to the attorney general for an opinion on certain issues that would arise in the event a majority of citizens in the separate districts involved vote to reorganize.

One of the problems is whether another budget election will be necessary, Hunsaker said. Another question is how to arrive at the new district's tax base and a third is whether the Union High District is automatically dissolved or does the county court, acting as a boundary board, have to act to dissolve the KU district.

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Welfare Group To Meet Here

SALEM (UPI)—The State Welfare Commission will hold its next regular meeting May 21 at the county courthouse in Klamath Falls.

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DAY CAMP COOKERY—Camp Fire Girls Day Camp sessions feature a variety of educational and fun activities including cooking hobo-style. Learning how to operate the "hobo stove" are, from left, Kathy Farr and Kathy Rose. Information and applications for the day camp are being distributed this week to all girls between 7 and 17 in the community. Two four-day sessions, Monday through Thursday, are scheduled at Cable Corral on Stukel Mountain, with bus transportation furnished. Dates are June 17-20 and June 24-27.