

# Discoverer Satellite Makes Polar Orbit

VANDENBERG AIR FORCE BASE, Calif. (P)—America's second Discoverer satellite roared southward into polar orbit yesterday, setting the stage for a gigantic game of aerial catch in which planes may try to snatch its parachuting nose cone from the air.

Two hours after the launch an Advanced Research Projects Agency spokesman said tracking stations in Alaska, Hawaii and at this West Coast missile base had established that Discoverer II is in orbit.

The 1600-pound satellite is whirling around the earth in a nearly north-south orbit every 94 minutes. At its high point it is 445 miles from earth, at its closest 158.

William H. Godel, director of planning for ARPA, said the orbit would allow the satellite a life expectancy of about 30 days.

Within 12 hours, he said, they will be able to determine if the orbit meets requirements for an attempt to recover the satellite's instrumented nose cone.

If all goes well, the nose cone will be ejected, today or later, over the Pacific near Hawaii. There C119 Flying Boxcars, trailing trapeze-like devices, hope to

snag the capsule's parachute in the air.

Before the launch one expert guessed the chances of recovery at 1 in 1000.

Such capsules, in the future shots of the Discoverer satellite series, will contain mice and monkeys.



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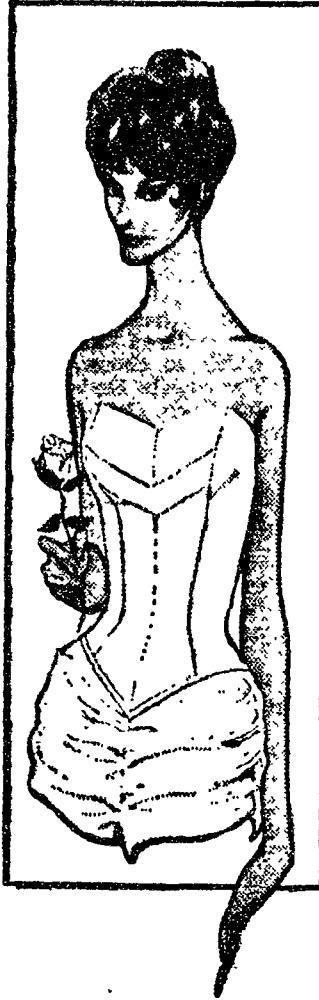
### Twin Vanguard Shot Fails

WASHINGTON (P) — An attempt to put two Vanguard satellites into orbit on a single launching vehicle failed at Cape Canaveral, Fla., last night when the second stage did not ignite.

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