

# 90-Pound Satellite Launched by U.S.

CAPE CANAVERAL, Fla. (AP)—Explorer VII, America's newest satellite, is spinning through the ionosphere as further evidence of U.S. progress in unlocking the mysteries of space.

The 90-pound "spinning top" satellite rocketed into orbit atop a Juno II booster early yesterday.

Its mission is to make the most exhaustive study ever attempted of the ionosphere, several layers of electrically charged particles which reflect radio waves back to earth.

The National Aeronautics and

## Finch Defense Asks Mistrial

LOS ANGELES (AP) — The defense in the second Finch murder trial moved for a mistrial yesterday, alleging jury coercion. The judge denied it.

Grant B. Cooper, attorney for Dr. R. Barnard Finch, argued that:

1. The length of deliberation—more than 53 hours—is oppressive and coercive.

2. Superior Court Judge LeRoy Dawson's statement to the jury Wednesday that "you should be able to reach a verdict" is further coercion.

Dr. Finch and his mistress, Carole Tregoff, are charged with the 1959 slaying of the surgeon's socialite wife, Barbara.

They claim her shooting was accidental. The first trial ended when the jury could not agree.

Yesterday morning's arguments came after Judge Dawson had announced he intended to poll the jury to see how it stands. He later changed his mind.

Space Administration reported several hours after launch that good, clear signals were being received from the satellite.

It is zipping around the globe every 112 minutes in an orbit ranging from 258 to 1,422 miles above the earth.

"Data is being received from seven of the eight experiments in the payload," a spokesman said. The eighth was not to start functioning until later.

Explorer VIII is the first of several satellite ionosphere, which extends from 50 to about 1,000 miles altitude.

Scientists hope that thorough charting of this electrical field will lead to better communications between continents, ships and planes — and between ground stations and future manned space vehicles.

Because of its radiowave reflective qualities, the ionosphere is vital to long-range communications, enabling signals to travel around the curvature of the earth.

But the composition of the ionosphere constantly shifts because of such things as solar storms, auroral displays, sunlight and shadow. The changes hamper communications.

## Soviet Spies Get W. German Plans

BONN, Germany (AP) — The Soviet Union is in possession of details of West Germany's defense plans through 1961, Defense Minister Franz Josef Strauss said last night.

Strauss told reporters Moscow obtained the plans through an espionage ring which was broken up last Friday with the arrest of a German member of Parliament.

The information was in a document called "MC-70," described by a Defense Ministry official as "the most secret document we have."

## Ex-AEC Commissioner Hints of New Weapon

NEW YORK (AP) — A former Atomic Energy Commissioner, Thomas H. Murray, spoke guardedly last night of a revolutionary new type of nuclear weapon—"a third generation weapon, as radically different from the H-bomb as the H-bomb was from the Hiroshima-type A-bomb."

He discussed the new weapon in an open letter to presidential candidates Richard M. Nixon and John F. Kennedy.

AF to Transport Nigerians WIESBADEN, Germany (AP) — At the request of the United Nations, the U.S. Air Force will airlift Nigerian troops and supplies to the Congo next week.

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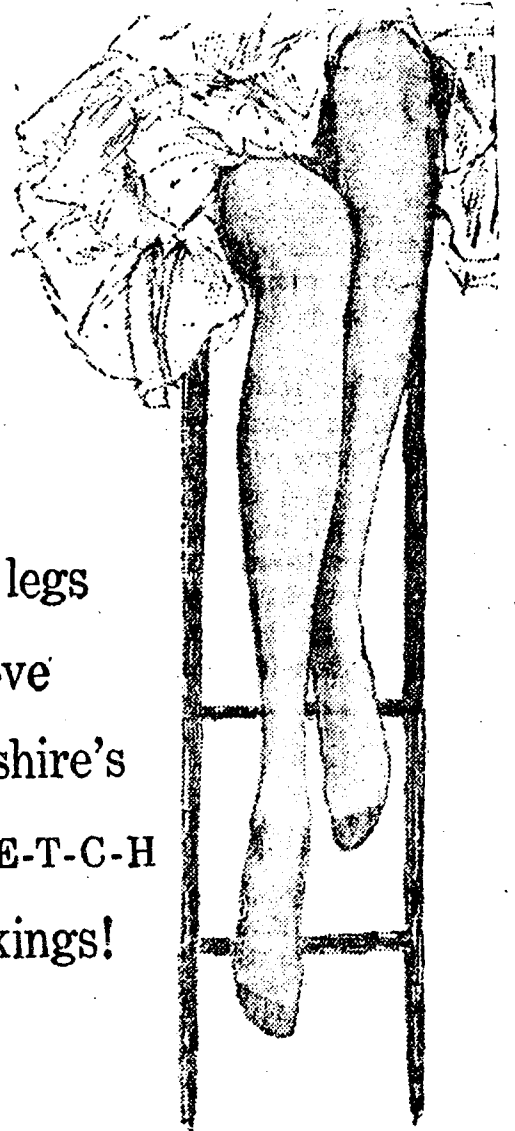
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