

HHH Briefed On Upcoming Apollo Flight

CAPE KENNEDY, Fla. (AP) — Vice President Hubert H. Humphrey Tuesday received a first-hand report from the Apollo 8 astronauts who will fly around the moon at Christmastime, then declared America's space program "a wise investment."

Making like an astronaut himself, Humphrey performed a make-believe rendezvous and practiced formation flying inside a mock spacecraft.

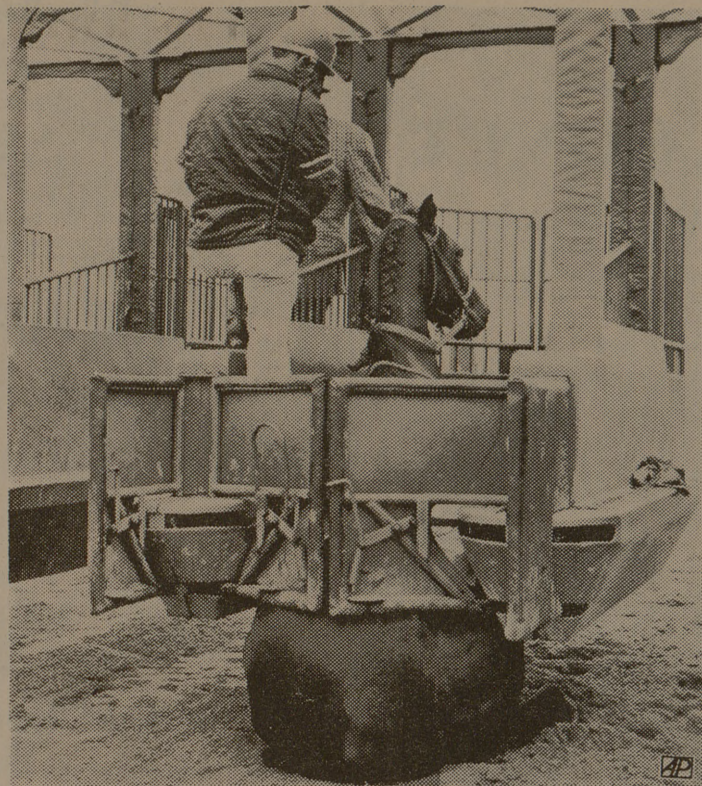
"I FEEL IT is a wise investment on the part of Congress and the public," the vice president said moments before his plane departed for Washington, D. C., after he and his wife, Muriel, completed a five-hour tour.

HE WENT UP to the spacecraft level of the Apollo 8 moon rocket, 320 feet above the ground, where he was briefed on launch facilities.

He also was briefed in a spacecraft hangar by Air Force Lt. Col. James A. McDivitt on the Lunar Module, the type vehicle which actually will land on the moon with two men. McDivitt will be commander of the Apollo 9 earth orbit mission in which a Lunar Module will receive its first manned flight test.

NAVY CMDR. Richard F. Gordon and Air Force Lt. Col. David R. Scott helped Humphrey with his mock rendezvous. Gordon is a backup pilot for America's Apollo 9 Mission scheduled for launch in February and Scott is a member of the prime crew for Apollo 9.

The vice president, in his role as chairman of the National Aeronautics and Space Council, made his final visit to America's spacecraft for a personal check on the Apollo 8 astronauts who plan to fly around the moon at Christmas.



SIT-DOWN STRIKE

Helmore Farm's two-year-old Irish Course staged this sit-in recently at Laurel, Md., race course. Taken to the starting gate to be schooled in the art of a quick break, she decided instead to take a leisurely look around, leaving her exercise rider standing in the wings. (AP Wirephoto)

Bulletin Board

TONIGHT

Deep East Texas Hometown Club will meet at 7:30 p.m. in room 3-A of the Memorial Student Center.

Associated General Contractors will meet at 7:30 p.m. in room 110 of the Architecture Building.

Hillel Club will meet at 7:30 p.m. in the Hillel Building. Friday night services will be conducted at 8 p.m.

Finance Society will meet at 8 p.m. in rooms 2-B and 2-C of the MSC. John Bostick, vice-president and regional manager of Nuveen & Co., Inc., will speak on long-term fixed investments.

Beaumont Hometown Club will meet at 8:15 p.m. in room 202 of the YMCA.

THURSDAY

Southern Louisiana Hometown Club will meet at 7:30 p.m. in the main lobby of the YMCA. Rides will be discussed.

Dewitt-Lavaca County Hometown Club will meet at 9 p.m. in room 203 of the Academic Building. Thanksgiving and Christmas parties will be discussed, officers will be elected.

Orange County Hometown Club will meet at 7:30 in the Academic Building.

Panhandle Area Hometown Club will meet at 8 p.m. in room 2-D of the MSC. Christmas party and rides home will be discussed.

Williamson County Hometown Club will meet at 7 p.m. in room 2-A of the MSC.

Veterans of Foreign Wars Post 4692 will meet at 7:50 p.m. at the Post Home. Meeting is for members only. Prospective members are urged to contact "Spud" Adams at 846-3662 or 823-0941 or Ray Schultz at 846-3191 or 845-4311.

American Society of Civil Engineers will meet at 6:30 p.m. at Clayton's Restaurant. Dinner

meeting with Brazos Branch ASCE and TSPE.

Dallas Hometown Club will meet at 8 p.m. in rooms 3-B and 3-C of the MSC. Thanksgiving party will be discussed.

THE BATTALION

Vets Fight Asian Malaria

A&M veterinary pathologists are conducting research to help U. S. soldiers in Southeast Asia combat malaria.

Part of a nation-wide project to find new drugs for treating the high mortality blood disease, A&M personnel test toxicity of various drugs on animals in a laboratory-farm complex near the veterinary medicine headquarters.

The highly-organized search is a Department of the Army project encompassing numerous government and civilian agencies and laboratories throughout the U. S.

"THE PROGRAM was initiated because of the high incidence of malaria in our people in Vietnam," commented Dr. William W. Bay, veterinary pathology professor. "Some drugs are now less effective in treating malaria because the organism has developed resistance."

New drugs developed by chemists and pharmaceutical firms are examined from inside out and top to bottom, not only to determine if they can kill malaria organisms but whether the compounds will have an adverse effect on humans.

THE ARMY specifies drugs for testing, in at least three species of animals. Two of the three can be small animals, such as rodents, in which the level of toxicity can be quickly and economically checked.

At least one test in larger animals is made after a drug passes

small animal examination. This is where A&M veterinarians fit into the project.

Each drug's toxicity is thoroughly analyzed from study of dogs and pigs to which it is administered.

A pharmacology board at Walter Reed Hospital decides on the drug's use on the basis of A&M reports. Additional tests on primates may be stipulated. Further checks are made by human volunteers.

BAY HEADS A&M investigations involving six professionals, three technicians and farm personnel. They administer Army-screened drugs to dogs and pigs for varying periods, depending on the drug. Periods of administration may cover 14, 28, 30 or 90 days or a year, Bay explained.

A massive volume of data is collected on changes in the tested animals, including organ weights, blood sugar, clotting time, red and white blood cell counts, liver and kidney function, tissue structure and bone marrow.

"We check them from stem to stern to see what's going on in the animal's body as a result of the drug," the associate professor noted.

"It's possible a particular drug may have the capability of killing the malaria organism, but have a toxic effect. Our work determines if the drug makes an animal sick clinically and whether it causes physiological changes. Some drugs

have phototoxic effects. Tests on pigs check skin reactions," Bay went on.

EYE ABNORMALITIES introduced by usage is the specialty of Dr. Thomas Dukes. Others in the Army-supported research are Dr. Chester A. Gleiser, who works with Bay in gross and microscopic pathology; Dr. Kenneth R. Pierce, clinical pathology, and Dr. Roger Feldman, microscopic screening. Bay said an agricultural graduate is being added to supervise animal care. About 30 animals are used per drug test.

Sixteen drugs have been evaluated since the project started in early 1966.

Portugal's Tagus River bridge is the fifth longest in the world, exceeded only by four suspension bridges in the United States.

REPEAT PERFORMANCE
PHOENIX, Ariz. (AP) — Highway Patrol Sgt. Ron Kurtzman has assisted in the delivery of five babies, three of them on the same road in south Phoenix.

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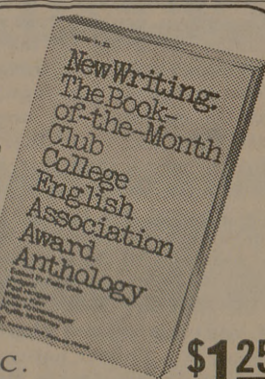
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S-T-U—Jan. 6 - Jan. 10
V-W-X-Y-Z—Jan. 13 - Jan. 17

CORPS SENIORS: Uniform: Class A Winter—Blouse
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PICTURES WILL BE TAKEN from 8:00 a. m. to 5:00 p. m.

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