Crew Is Accompanied By Spiders and Mice

Special to The New York Times

CAPE KENNEDY, Fla., July 28—When the Skylab 2 astonauts left the earth today, they were accompanied by a menagerie of tiny creatures-pocket mice, minnows, vinegar gnats, flies and two female spiders.

This unusual cargo was part of more than 60 scientific experiments scheduled to be performed during the planned 59day Skylab 2 mission in earth orbit.

The mice and the gnats rode in a self-contained living compartment inside the service module, the equipment unit at the rear of the Apollo command module. The fish and spiders were to be taken into the Skylab workshop. The flies were going along as food for

The two spiders, named Arabella and Anita, were included in the mission at the suggestion of Judith Miles, a 17-year-old high school student from Lexington, Mass. She is one of 19 high school students around the country whose experiments were selected for the mission.

"I thought it would be interesting to see how weightlessness would affect their web weaving," Miss Miles ex-

cross spiders were chosen because they are common and their web-building habits have been well studied. Females were picked because they are better at spinning webs than males.

The spiders went into space inside a traveling case about the size of a sigarette package. hopes to answer after analyz-the eggs should hatch, giving automatically and this data will

United Press International

Dr. Peter N. Witt, research director of North Carolina Department of Mental Health, measuring size of web spun by a cross spider. Two of the spiders are on present Skylab mission to enable scientists to study effects of weightlessness on web-building.

In the next two or three days, the astronauts are to put the spiders in a 15-inch-square cage where they can observe and photograph the spiders' activities.

On earth spiders use two organs on their forclegs to determine the direction of gravity—up from down. Without gravity, will the spiders have trouble spinning their web?

In the next two or three days, ing the astronauts' pictures of the astronauts about five weeksto observe the fish adapt—weeksto observe t

In the next two or three days, ing the astronauts' pictures of the astronauts about five be compared with the perform-

trouble spinning their web? line.

Will the patterns of the web be different? These are among live about two weeks after the questions that Miss Miles they arrive at Skylab. By then the six mice will be monitored to the groups of pupae to see if the gnats emerge in different ways and times in weightlessness.

Charges Against University ing."

Special to The New York Times 28—About 300 students of the multiracial University of Rho-The target of the protest on a washroom floor. versity was "a center of filth, of Parliament who had said on "nonsense."

desia demonstrated yesterday demonstration, which was against allegations by a memper peaceful, was Rodney Simbler of Parliament that the uni-monds, a Government Member Mr. Simonnd's remarks as

Rhodesian Students Protest prostitution and trouble-mak- Wednesday that there had been a "deplorable decline in civ-The police stood by as the students, most of them black, Parliament that in one resi-SALISBURY, Rhodesia, July marched past Parliament and dential block, prostitutes active of the office of Prime Minister Ian costed students in their rooms and there were pools of urine

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