

Astronauts Settle Down to Routine Jobs

By JOHN NOBLE WILFORD

Special to The New York Times

HOUSTON, Aug. 7—After days of motion sickness, nights of mission-threatening malfunctions and hours outside rigging a new sunshade, the Skylab 2 astronauts were able to settle down today for the first time to business as usual.

It was the 11th day of a planned two-month mission in earth orbit for Capt. Alan L. Bean of the Navy, Maj. Jack R. Lousma of the Marine Corps and Dr. Owen K. Garriott, a civilian scientist.

Dr. Garriott operated the space station's solar telescopes for the first time in the mission. Major Lousma had loaded film in the telescope cameras during his record 6-hour, 31-minute space "walk" yesterday.

For more than three hours, Dr. Garriott focused the telescopes on the sun's outer atmosphere, particularly at a region slightly below the center of the sun, where an outburst of small flares was occurring. Photographs of the activity, in X-ray and ultraviolet radiations will be returned by the astronauts at the end of the mission.

Television Shots

Late this morning, the astronauts showed some television shots of their activities aboard the 118-foot space station, which is orbiting 270 miles above the earth.

Captain Bean and Major Lousma were seen conducting a medical experiment on themselves to measure changes in their blood vessel systems resulting from long periods of weightlessness. Each man took turns slipping into a pressure device, which looked somewhat like an iron lung. The device measures the flow of blood like an iron lung. The device

measures the flow of blood to and from the lower parts of their bodies.

Dr. Garriott was seen operating the controls for the telescope.

Later, Dr. Garriott plans to take pictures of Arabella, the female spider that is spinning webs in another test of the effect of zero-gravity on bodily functions.

"I just checked our friend Arabella, and she did completely spun a new web last night." Dr. Garriott told Mission Control. "She is a fast learner indeed. This time the web is essentially, at first glance, like one you would find on the ground."

A Disorganized Web

Arabella's first web was a rather disorganized one, with a lot of threads but no real center.

Temperatures in the Skylab were dropping slowly as the result of the new 22-by-24-foot awning that was deployed yesterday over the damaged roof.

Charles R. Lewis, a flight director, said that temperatures near the Skylab's water tanks dropped from 120 degrees Fahrenheit to about 90 degrees. Cabin temperatures dropped a degree or two, to slightly below 80 degrees.

The old parasol, which the Skylab 1 astronauts erected, did not provide cinokete coverage and was believed to be deteriorating from prolonged exposure to the sun.

Skylab 2's only new problem was a malfunction of its onboard teleprinter. The machine, much like a teletype in newspaper offices, receives and prints out instructions and flight plan revisions radioed to the crew every night.

A balky rubber fitting was

apparently responsible for the machine skipping words and overprinting lines. The astronauts installed a spare printing mechanism in the machine, and it began working properly.