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## Tests by Skylab Spiders Hint Man's Adaptability

## Special to The New York Times

RALEIGH, N. C., Sept. 29-Anita and Arabella, the two space spiders who overcame weightlessness and spun their webs aboard the orbiting Skylab, have bolstered the scientific suggestion that human beings may be far more adaptable to unusual experiences than is generally believed.

This is the preliminary conclusion of Dr. Peter Witt a researcher at Dorothea Dix Hospital in Raleigh, w o stud- weight id gravi y are crucial helpless," he said. "But it took ies behavior patterns in spi- to the weaving of a web, what just two days to get over it ders. Dr. Witt bred and raised does a spider do in weightlessthe two spiders and chose ness? How does a living being webs." them for the space flight that react to a stressful and very ended this week.

In a limited sense, Dr. Witt uation? said, the study of spiders can Dr. Witt was surprised that ters)-Arabella, the last surbe applied to human beings the spiders learned to weave viving member of an animal since there are some things their webs in outer space. that are common to all animals.

the spiders at a level higher before i their behavior," he Huntsville, Ala., the National than expected. Dr. Witt con- said. cluded:

be.

"We can cope with situa- tive way. tions at a nonintellectual, nonconscious level that have never been experienced in the history of living beings."

## Two Questions Posed

unexpected, unprepared-for sit-

because it took a readjustment last night in her cage at Mar-From the performance of of everything they have known shall. Space Flight Center,

"I thick that now we can tronauts, how they adapted," expect that many nonintellec- he said, "they did it all by tual functions in animals, in-planning, by reading books, by cluding human beings, are far making calculations, by having more adaptable and able to be done it from previous flights. reprogramed and reorganized None of this is true for the than we ever thought them to spiders. They had to do it in what you might call the instinc-

> "So, if we say that they are very much less adaptable than humans, and do not have the ability of forethought and planning, then we would expect that they would be completely and manage to spin their

## Second Spider Dies

HOUSTON, Sept. 29 (Reucollection aboard the Skylab "I think it is most surprising space station, was found dead Space and Aeronautics Admin-"If you think about the as- istration said here today.