

HERE AT STONY BROOK - Monday, March 12, 1984

THEME UP AND UNDER

Hi, everybody.

The vast field of the science of the future is filled with marvelous contradictions and paradoxes. While some scientists look into the 21st century and plot ways to explore Mars and Jupiter, others are conjecturing what the ~~world~~ <sup>planet earth</sup> will look like if a few dozen nuclear bombs are exploded.

Today, we will hear the noted population biologist, Paul ~~xxxx~~ Ehrlich, ~~xxxx~~ <sup>that</sup> describe the conditions ~~that~~ he and other scientists predict would result from a nuclear world. It is a world far more barren and damaged than we have imagined, even in the celebrated television film called "The Day After."

Later in the program, we'll hear from astrophysicist Margaret Burbidge as she looks into the 21st century and ~~xxxx~~ outlines what her branch of science is hoping will be taking place in the exploration of the universe.

Ehrlich, Dr. ~~xxxx~~ who is on the ~~faculty of~~ faculty of Stanford University in California, was recorded this winter when he visited the State University of New York at Stony Brook. He was among the speakers in the University's Distinguished Lectures Series. Several scientists, including Cornell's Carl Sagan, have been at work developing computer models for a "Day-After" scenario. Here's how Paul ~~xxxx~~ Ehrlich explains it:

TAPE of EHRlich- end with AFO: Paul Ehrlich and his grim report on "The Day After."

13:30

BRIDGE MUSIC UP AND UNDER

MORE

*Prof. Robert Cole of SB.*

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*The nuclear war*

Most of what we know about the planets of our universe has been learned by ~~by~~ looking through land-based telescopes or by computer-reconstruction of images sent from outer space by radio signals. What if we could put a huge telescope on the moon? What would ~~we~~ we learn about ~~our~~ our universe that we do not ~~know~~ know now?

Astronomists like E. Margaret Burbidge of the University of California at San Diego dream about such advanced exploration. And they do more---they work to make those dreams come true. Dr. Burbidge told about "Astronomy of the Future: Looking into the 21st Century," during a visit in March to the State University of New York at Stony Brook. *During her University Distinguished Lecture, she talked about* the goals of a space telescope. *These* she said, include trying to determine whether the laws of nature are universal in the space-time continuum. Scientists, of course, are ever in ~~the~~ pursuit of new information. Dr. Burbidge explains:

BURBIDGE TAPE

*The voice of Astrophysicist*  
28:30 - AFO: Dr. Margaret Burbidge, looking into the 21st century.

BRIDGE MUSIC UP AND UNDER

Next week, we'll talk about our prejudices with an expert who may help us understand why we feel the way we do about ~~some~~ some groups of people. I hope you'll join us. Until then, this is Al Oickle. So long, everybody.

THEME - OUTRO UP AND OUT