

HERE AT STONY BROOK - Monday, May 28, 1984

INTRO UP AND UNDER

Hi, everybody.

An eclipse of the sun usually happens ~~once~~ ^{once a year} a year somewhere in the world. But, the alignment of the earth, moon and sun that results in a ~~rare~~ ^{quite rare is} annular eclipse visible in a large part of the United States ~~is quite rare.~~ The United States has ~~that~~ ^{such a} treat on its 1984 calendar, and we'll be talking ^{today} about that eclipse, and other astronomical wonders, with Dr. Deane Peterson,

WUE
OUT

Later in the program, we'll hear Lipman Bers, a noted human rights activist, talking about the ^{flight} of Soviet scientist Andrei Sakharov and others whose movements are restricted by their own governments.

Dean Peterson is associate ^{prof} professor of astronomy, and coordinator of the astronomy program, at the State University of New York at Stony Brook. He has lectured and researched extensively in the field of stellar ~~life~~ ^{evolution.} Dr. Peterson, how rare is this May 30th annual ~~eclipse~~ ^{AT} ~~visible~~ in the United States?

INTERVIEW DR. PETERSON:

- Difference total, annular
- How ~~old~~ astronomy as science?
- Note predictability: e.g., May 30 listed in 19th century guide spanning 1207BC-2161AD
- The Life of the Sun: and death
- Stars hotter than sun
- Safety in eclipse viewing

15:00
14:00

BRIDGE MUSIC UP AND UNDER

MORE

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Human rights are constantly being violated throughout the world---even, some claim, in the United States. Prominent recently in the news has been the case of ^{the} Soviet Nobel laureate, Andrei Sakharov, and his wife, Yelena Bonner. El Salvador and other Central American countries ^{also} have had spectacular examples of human rights lost. Today, we'll hear a message about this subject from Lipman Bers, a renowned mathematician at Columbia University and head of the Committee on Human Rights of the National Academy of Sciences for the past four years. Here is part of Dr. Bers' address on human rights as given at the commencement for the State University of New York at Stony Brook:

TAPE 1, Side 2 - 364 - "I am particularly happy..."
to end of that side...CUT IT OFF BEFORE SENTENCE
beginning "In the United States"

TAPE 2, Side 1 - 000 - "In the United States..."
through to 051 - "...in our own country, as they do."

TAPE 1, Side 2 - 000 - Music, "Pomp and Circumstance"

UP AND UNDER FAST FOR AFO: "The Long Island Brass Guild plays commencement march, the traditional/"Pomp and Circumstance." My favorite commencement speaker is the Rev. Robert Smith, chaplain at University Hospital at the State University of New York at Stony Brook. Let's listen as he talks about the extraordinary difficulty many of us have in praying together.

MUSIC UP AND OUT

TAPE 1, Side 2 - 060 - "I have to start with a question..."

through to 105 - "...courage, as human beings. Amen."

AFO LIVE: A message for all of us during the commencement season 1984

BRIDGE UP AND UNDER

more

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Next week, we'll pick up where we left off this week in our look at the sky above us. Our guest will be Roger Knacke, one of the international scientists who have been at work for several years now preparing for the visit in 1986 of...Halley's comet. Until next week, then, this is Al Oickle. So long, everybody.

OUTRO