

SMBRH

3 May 66

Report on Trip to AFWL and Aerospace Corporation

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1. On 27 April, 1966, the writer participated in a MOL briefing presented by Lt. Col. Ballinger at the Air Force Weapons Laboratory. Attendees were:

Lt. Col. Ballinger	SMBR
Dr. Donald Anderson	SMBR
Major Joseph Traynor	SMBR
Mr. John C. Mitchell	SMBR
Lt. Col. Harris	AMRB
Col. Max Hold	WLRB
Capt. Ewing	WLRB
Capt. Lawrence	WLRB
Capt. Brunstetter	SAFSL-10
Dr. John Dick	Douglas
Mr. Bob Pruett	Aerospace Corporation

2. On 28 April, I visited with Mr. Bob Pruett of the Space Physics Laboratory of the Aerospace Corporation to obtain additional information concerning the potential radiation hazards associated with the MOL missions.

3. Personnel in the Space Physics Laboratory of the Aerospace Corporation have made a rather detailed study of the potential MOL radiation environment. They have made extensive use of the solar cycle 19 data to calculate:

- The probability of flare occurrence as a function of mission duration.
- An estimate of possible flare intensities and arrival time profiles.
- The calculated doses incident on the astronauts based on approximately 10 typical flare spectra for shielding thicknesses of 0.5, 1, 2, 5, 10 gms/cm².

The Space Physics Laboratory personnel are not authorized to release their information outside of the Aerospace Corporation at this time. If the more pertinent bits of information were obtained. It is our discussions that the Aerospace Corporation personnel feel that the information which will give dose rate, and accumulated doses and a

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particle (alpha and proton) spectrometer might be sufficient to furnish the real time radiation and environmental data in sufficient time to abort the mission before it exceeds the hazards limitation.

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