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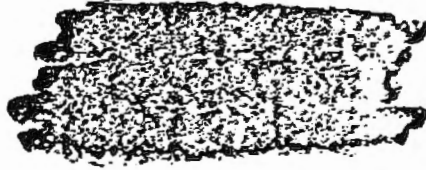
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4 May 1967

MEMORANDUM FOR: The TUMS File

SUBJECT : Delivery of Health Hazard Radiometer

1. The Health Hazard Microwave Radiometer developed by ~~██████████~~ <sup>A</sup> was delivered to the Department of State for transshipment by pouch to Moscow early in March 1967. Upon arrival it was found that the instrument had been broken in transit and was returned for repair or replacement. The broken instrument was delivered to ~~██████████~~ on 29 March 1967. It was found that the leads to the Globe Sensor had broken or vibrated loose during trans- <sup>A</sup> shipment and that there was some unspecified injury to the globe sensor itself. A new sensor was constructed by ~~██████████~~ and installed <sup>F</sup> in the original package. The repaired instrument was returned to ~~██████████~~ <sup>F</sup> on 28 April 1967. The instrument was bench tested by ~~██████████~~ from 28 April through 2 May 1967 during which time the instrument finished out-gassing and became stabilized. On the evening of 3 May 1967 the instrument was taken to Walter Reed where it was calibrated on the Walter Reed Range (anechoic chamber) using the generator and output tube and radiometers employed in project PANDORA. During this calibration check-out it was found that the instrument itself performed quite well indeed according to measurements noted on the dial meter. The strip chart meter was found to be defective and could not be repaired at this time. Because the instrument itself was working so well and the dial meter appeared stable and accurate the instrument was delivered to State for immediate trans-shipment to Moscow because of time restrictions on opportunities for making meaningful power density recordings. Meanwhile a spare strip chart meter was immediately ordered along with a spare sensor unit. It is expected that these will be ready for delivery to State in about one week from now.

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SEI 1983

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