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APPENDIX E

#505

17 December 1953

Lewis L. Strauss
United States Atomic Energy Commission
1901 Constitution Avenue N.W.
Washington, D. C.

TT-1741 We consider it absolutely essential to establish in the CASTLE Tests whether there is large close-in fall-out accompanying large-scale detonations. This knowledge is essential both to the military utilization and the SUNSHINE evaluation. The IVY Raft data program, the cloud height measurements, and RAYWIND program were cancelled. These necessary data consequently are now lacking for SUNSHINE and for the evaluation of close-in radioactive fall-out of large detonations. By close in we mean up to several hundred miles for the CASTLE series. We propose reactivation of these programs for CASTLE.

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Willard F. Libby

cc: Dr. John C. Eigher, Director
Division of Biology and Medicine
U. S. Atomic Energy Commission
Washington, D. C.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
SINGLE REVIEW AUTHORIZED BY: <i>Ave/AQ/OD Ltr 1/196</i>	DETERMINATION (CIRCLE NUMBER(S)) 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: 5. CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY):
REVIEWER (ADD): <i>[Signature]</i>	
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