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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. Bugher, Director  
Division of Biology and Medicine  
U. S. Atomic Energy Commission  
Washington, D. C.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
SINGLE REVIEW AUTHORIZED BY: <i>AE/19/100 Ltr 1/1/96</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>	
NAME: <i>[Signature]</i>	
DATE: <i>2/13/96</i>	

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