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July 3, 1945

g/k PRV

TO: Mr. Oppenheimer
FROM: C. S. Smith and I. C. Schoonover
SUBJECT: Gun Fabrication Plan - Second Supplement to Memorandum of June 13, 1945.

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In the supplement dated June 28th, the decisions of a meeting held that day regarding cadmium plating was reported. It was decided to plate the inner cylindrical surface of the projectile and the outer cylindrical surface of the target range only if this were found to be technologically feasible.

Experiments carried out by J. Pannell in Group CM-11, using newly designed equipment, have shown this to be perfectly feasible and we are therefore proceeding with the plating as outlined below.

Each projectile ring will be plated on its inner cylindrical surface to an average thickness of approximately 0.005 in. (0.110 g/cm²). This thickness will be controlled by current density and time measurements. No cadmium will be deposited on any other surface.

BEST COPY AVAILABLE

Cyril Stanley Smith
Cyril Stanley Smith

I. C. Schoonover
I. C. Schoonover

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FINAL DETERMINATION
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DOE NSI DECLASSIFICATION REVIEW EO 12958
BY *Mahani Jan*, 9/25/97 LANL/FSS-16
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