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UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

WASHINGTON 25, D. C.

March 10, 1964

By Courier Service

Honorable J. Lee Rankin
General Counsel
The President's Commission
200 Maryland Avenue, Northeast
Washington, D. C. 20002

Dear Mr. Rankin:

Reference is made to my letter dated January 10, 1964, advising that arrangements were made with the Atomic Energy Commission to process by nuclear analytical techniques items relating to the assassination of President Kennedy.

The paraffin casts from Lee Harvey Oswald were examined by neutron activation analyses at the Oak Ridge National Laboratories, Research Reactor Site, Oak Ridge, Tennessee.

These analyses were made to determine if the paraffin casts from Oswald which were made, chemically treated and washed by the Dallas law enforcement authorities, bear any primer deposits from the rifle cartridge cases found in the Texas School Book Depository Building following the President's assassination.

As a result of these examinations, the deposits found on the paraffin casts from the hands and cheek of Oswald could not be specifically associated with the rifle cartridges. Elements (barium and antimony) were found on the casts; however, these same elements were found in residues both from the above rifle cartridge cases and

Honorable J. Lee Rankin

from the revolver cartridge cases which were fired from Oswald's revolver reportedly between the time of the assassination and the time of apprehension.

No characteristic elements were found by neutron activation analyses which could be used to distinguish the rifle from the revolver cartridges.

In view of the fact that the paraffin casts were not made until after the reported firing and handling of the revolver, no significance could be attached to the residues found on the casts other than the conclusion that barium and antimony in these residues are present in amounts greater than would be expected to be found on the hands of an individual who has not recently fired a weapon or handled a fired weapon.

Sincerely yours,

COMMISSION EXHIBIT No. 2455