

DATE 7/17/10

Mr. Conrad

3/10/64

R. H. Jevons

LEE HARVEY OSWALD

IS - R

*Box 110
RC 64*

*Refined -
Early
evidence*

1 - Mr. Conrad

Pursuant to prior Bureau approval, arrangements were made with the Atomic Energy Commission (AEC) to examine the paraffin casts from Lee Harvey Oswald by neutron activation analyses. The work was conducted at the Oak Ridge National Laboratories, Research Reactor Site, Oak Ridge, Tennessee. This installation is operated for AEC by Union Carbide Corporation on a contract basis. The Union Carbide personnel at Oak Ridge who worked with the FBI examiners on this matter were Dr. Frank F. Dyer and Mr. Joel F. Emery. Administrative details for these examinations were handled by Mr. William S. Lyon of the Union Carbide Corporation.

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 powder residues from both the above rifle cartridge cases and 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.

Enclosure

- 1 - Mr. Belmont
- 1 - Mr. Rosen
- 1 - Mr. Sullivan
- 1 - Mr. Malley, Rm. 5710
- 1 - Mr. Rogge, Rm. 5718
- 1 - Mr. O'Connor, Rm. 845 RB

JFG:KO (11)

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Mr. Jevons to Mr. Conrad
Re: LEE HARVEY OSWALD
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In view of the fact that the paraffin casts were not made until after the reported firing and handling of the fired 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.

A Laboratory report is being furnished to the Dallas Office and a letter setting forth these results is also being furnished the President's Commission.

ACTION:

For information.