

RELEASED PER P.L. 102-526 (JFK ACT)
NARA KJ DATE 01/29/11

PC let

*Box 110
Folder 33A*

gr



- 1 - Mr. Belmont
- 1 - Mr. Rosen
- 1 - Mr. Sullivan
- 1 - Mr. Malloy, Rm. 371

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FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C.

To: FBI, Dallas (100-10461)

Date: March 6, 1964

*No
Match -
Oswald's
Revolver
4 Tippit
(3) shells*

Ken Doc

*Inventory sheet
I.U. CONRAD vol I*

Re: LEE HARVEY OSWALD
IS - R

J. Edgar Hoover
John Edgar Hoover, Director

FBI File No. 105-82555
Lab. No. PC-78318 GH

Examination requested by: **Dallas**

Reference: **Letters 11/27/63, 12/13/63, 12/21/63**

Examination requested: **Neutron Activation Analyses**

Remarks:

The Laboratory has arbitrarily assigned the designation C41 to all the seven casts from Lee Harvey Oswald and these casts have been listed in the Laboratory report as Q53A through Q53G. The following "C" designations were assigned to the envelopes and paper sacks submitted along with the paraffin casts:

C42	Q54
C43	Q55
C44	Q56
C45	Q57
C46	Q58

Note

No examinations were made of the copy of report dated 11/23/63, of the Dallas City-County Criminal Investigation Laboratory regarding examination of paraffin casts of right side of face, left hand and right hand of Oswald. All the above items were furnished with your letter dated 11/27/63, and listed under our Laboratory number PC-78318.

Enclosures (2) (2 Lab report)

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(continued on next page)

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The following items were received from your office with your letter dated 12/13/63, and no "C" designations were assigned to these items since the items were used only for control purposes.

OBTAINED FROM DALLAS POLICE DEPARTMENT, DALLAS, TEXAS

Maxwell House coffee can containing paraffin
 One and one-half inch paint brush
 Three one-fourth pound blocks of Gulfwax paraffin
 Sample of diphenylbenzidine used by personnel of
 Dallas City-County Criminal Investigation Laboratory,
 Dallas, Texas

The Gulfwax paraffin and diphenylbenzidine samples were not retained since they were not evidentiary items.

The following item was received from your office with your letter dated 12/21/63:

Plastic bottle containing tap water from Dallas, Texas. This water sample was similarly used only for control purposes and was not retained.

The paraffin casts, Q53A through Q53G, were analyzed by neutron activation analyses at Oak Ridge National Laboratories, Research Reactor Site, Oak Ridge, Tennessee. The Union Carbide Corporation personnel at this site who worked on the actual analyses of these specimens with the FBI Laboratory examiners were Dr. Frank F. Dyer and Mr. Joel F. Emery.

You have been previously furnished photographs of specimens Q53A through Q53G and Q54 through Q58. These are the only specimens which have been assigned "C" designations.

If a report has been previously submitted regarding any of the above exhibits, you should prepare a letterhead memorandum suitable for dissemination identifying the report in which the pertinent information is set forth.

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If no investigative report has been submitted regarding these exhibits, then you should prepare one. Two copies should be designated for the President's Commission and the copy which is signed by the SAC will be retained as the Bureau's file copy.

It is to be noted that the Commission was previously furnished photographs of all items in this report which have been assigned "C" numbers.

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ADMINISTRATIVE PAGE

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REPORT
 of the



FEDERAL BUREAU OF INVESTIGATION
 WASHINGTON, D. C.

To: FBI, Dallas

Re: LEE HARVEY OSWALD
 IS - R

Date: March 6, 1964
 FBI File No. 105-82555
 Lab. No. PC-78318 GH

Handwritten initials: LHO

Specimens received 11/27/63

PARAFFIN CASTS FROM LEE HARVEY OSWALD

- Q53A Back of right hand
- Q53B Front or palm side of right hand
- Q53C Back of left hand
- Q53D Front or palm side of left hand
- Q53E Long narrow section side of right thumb
- Q53F Long triangular section side of left thumb
- Q53G Thin slab from right cheek

- Q54 Paper envelope in which paraffin cast of right hand of Lee Harvey Oswald was brought to Dallas City-County Criminal Investigation Laboratory
- Q55 Paper envelope in which paraffin cast of left hand of Lee Harvey Oswald was brought to Dallas City-County Criminal Investigation Laboratory
- Q56 Paper envelope in which paraffin cast of right side of face of Lee Harvey Oswald was brought to Dallas City-County Criminal Investigation Laboratory
- Q57 Paper sack in which seven pieces of paraffin casts were stored from 11/23/63, to 11/27/63
- Q58 Paper sack of the type in which the casts from Oswald were stored from 11/23/63, to 11/27/63

Results of examination:

The paraffin casts, Q53A through Q53G, were analyzed by neutron activation analyses to determine if these paraffin casts from Oswald, which were made, chemically treated and washed by the Dallas law enforcement authorities bore any deposits which could be specifically associated with the rifle cartridge cases found in the Texas School Book Depository Building following the President's assassination. As a

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Wtts innocent

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 both from 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.

*Did LHO
fire a
Revolver*

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 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.

*FBI
Could not
match
the*

No identifiable particles of powder residues were found in the envelopes and sacks, Q54 through Q58.

*Tipped
Grip to his
Revolver*

The submitted evidence is being retained.