

# Memorandum

TO: Mr. Conrad

DATE: 12/19/63

FROM: R. H. Jevons

SUBJECT: LEE HARVEY OSWALD, AKA.  
B - R - CUBA

Tolson	
DeLoach	
Mohr	
Bishop	
Casper	
Callahan	
Conrad	
Felt	
Gale	
Rosen	
Sullivan	
Tavel	
Trotter	
Tele. Room	
Holmes	
Gandy	

Based on my memorandum of 11/27/63, whereby approval was authorized to make arrangements with the Atomic Energy Commission (AEC) to utilize its related facilities for the purpose of conducting (by neutron activation analysis) powder residue examinations of the paraffin casts from Lee Harvey Oswald. SA J. J. O'Connor of the Domestic Intelligence Division discussed this matter with Dr. Glenn T. Seaborg, Chairman of AEC, on 12/6/63. Dr. Seaborg offered complete and confidential cooperation in this matter.

As set forth in memorandum D. J. Brennan to Mr. Sullivan dated 12/7/63, SA's J. J. O'Connor and John F. Gallagher met with Mr. Robert E. Hollingsworth, Deputy General Manager of AEC, and Dr. Spofford G. English, Assistant General Manager for Research and Development of AEC, on 12/6/63. Dr. English advised that information relating to the required activation analysis will be kept within a very small group at the AEC. In particular, he advised that Dr. Paul C. Aebersold, Director, Division of Isotopes Development, who has fostered the contract work relating to the research on this matter will not be informed of the analysis because his propensity for publicity makes him difficult to control.

It was established that Mr. William S. Lyon who is in charge of neutron activation analysis at Oak Ridge National Laboratory will be directly responsible for the complete technical arrangements relating to the powder residue examinations of the casts from Oswald. An FBI Laboratory examiner will accompany these casts to Oak Ridge, Tennessee, and be in complete control throughout the analyses.

The preliminary test specimens which were verbally requested by Mr. William S. Lyon were prepared in the Laboratory and personally delivered to him by SA John F. Gallagher on 12/17/63. The attachment to this memorandum itemizes materials turned over to Mr. Lyon by SA Gallagher.

58 JAN 3 1964

Enclosure  
62-109060

ENCLOSURE

DEC 53

DEC 31 1963

22 DEC 30 1963

2095

SEVEN

- 1-Mr. Belmont - Enclosure
- 1-Mr. Mohr - Enclosure
- 1-Mr. Evans - Enclosure
- 1-Mr. Rosen - Enclosure
- 1-Mr. Sullivan - Enclosure

- 1-Mr. Rogge, Room 5718 - Enclosure
- 1-Mr. O'Connor, Room 845 RB - Enclosure

JFG:ich (11)

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Everything possible is being done on this matter; however, Mr. Lyon at Oak Ridge, Tennessee, feels that it will not be until early in January, 1964, that all procedures, consulting work and facilities will be finalized so that the actual analysis of the casts from Lee Harvey Oswald can proceed.

**ACTION:**

For information.

*J.C.*

*[Handwritten initials]*

TEST SPECIMENS AND MATERIALS  
REQUESTED BY  
MR. WILLIAM S. LYON,  
BUILDING 4500,  
OAK RIDGE NATIONAL LABORATORY,  
OAK RIDGE, TENNESSEE •

MATERIALS

1. Gulfwax - Type of paraffin used in all the submitted paraffin casts.
2. Cheesecloth - Representative of the cheesecloth included in all the paraffin casts.
3. Sample of Distilled Water - Used to wash paraffin casts that had been treated with diphenylbenzidine.
4. Sample of Diphenylbenzidine - Used on paraffin casts of Test No. 5 and Test No. 6.

PARAFFIN CASTS

1. Cast from left hand after it had been thoroughly washed with soap and rinsed with distilled water (Test No. 1).
2. Cast of right hand after firing .38 Special Smith and Wesson revolver four times. Prior to making this cast, the hand was cleaned, the gun was also wiped clean with cheesecloth and then the gun was fired with the right hand (Test No. 2).
3. Cast of right hand after firing revolver four times and then reloading (Test No. 3).
4. Cast of left hand after firing revolver four times with the right hand reloading (Test No. 4).
5. Cast of right hand after firing revolver four times and reloading. This paraffin cast was then treated with diphenylbenzidine which was washed off with distilled water (Test No. 5).
6. Cast of left hand after firing revolver four times with the right hand and reloading. This cast was treated with diphenylbenzidine and then washed with distilled water (Test No. 6).

7. Cast of left cheek before firing revolver (Test No. 7).
8. Cast of right cheek after the rifle was fired from the right shoulder (rifle was wiped clean with cheesecloth prior to shooting) (Test No. 8).
9. Cast of right hand after firing rifle (Test No. 9).
10. Cast of left hand after firing rifle (Test No. 10).

#### CARTRIDGE CASES

1. Four cases used in conjunction with paraffin cast No. 2.
2. Four cases used in conjunction with paraffin casts No. 3 and No. 4.
3. Four cases used in conjunction with paraffin casts No. 5 and No. 6.
4. One case used in conjunction with paraffin casts No. 8, No. 9 and No. 10.