

- 1 - Mr. Belmont
- 1 - Mr. Sullivan (Mr. Lenihan)
- 1 - Mr. Rosen (Mr. Malley)
- 1 - Mr. Rosen (Mr. Rogge)
- 1 - Mr. Conrad
- 1 - Mr. Griffith
- 1 - Mr. Neill
- 1 - Mr. Hines
- 1 - Mr. Frazier
- 1 - Mr. Shaneyfelt

June 22, 1964

By Courier Service

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

*Assassination of
 President John F.
 Kennedy*

Dear Mr. Rankin:

Reference is made to your letter dated June 3, 1964, requesting that an Agent contact Mr. Burt W. Griffin of your staff so that arrangements could be made to make time computations and obtain enlargements of a few frames from motion picture films in the possession of the Commission. Those studies were for the purpose of establishing as accurately as possible the time of the shooting of Lee Oswald. Special Agent Lyndal L. Shaneyfelt contacted Mr. Griffin on June 8, 1964, and obtained Commission exhibits numbered 84A, 24A, IIII, 43A, GG, AA, 99A, 39A, 43B and 84B, which were the motion picture films to be used for the study.

The only film found to be of value from a time study standpoint was Exhibit 24A. This film shows Oswald being brought from the elevator through a police department office out into the driveway area where the shooting occurred after which it shows him being returned to the police department office that he had passed through en route to the driveway area. There is a clock on the wall in the police department office that is visible in the photographs made after Oswald was brought back to that office following the shooting. The detail of the photographs is insufficient to accurately show the time on the clock but it is noted that the minute hand passes approximately through the "4" area which would place

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- Callahan _____
- Conrad _____
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- Evans _____
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- Sullivan _____
- Tavel _____
- Trotter _____
- Tele. Room _____
- Holmes _____
- Gandy _____

1 - Dallas (100-104181)
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 ENCLOSURE ATTACHED
 JUN 25 1964
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EX-103
 REC-17
 JUN 23 1964
 3343

JUN 25 1964

Honorable J. Lee Rankin

the time following the shooting at 11:20 to 11:21 if the clock is accurate. It is noted that the film was exposed at sound speed which is approximately 24 frames per second and using this as a basis for calculation, it was found that there is a lapse of $25 \frac{5}{12}$ seconds between the portion of the film recording the shooting of Oswald and the portion showing the clock. It is pointed out that there is a splice in the film representing a break in this time so that the actual time represented between the shot and the photograph of the clock would necessarily be in excess of $25 \frac{5}{12}$ seconds. This same clock appears in later portions of the film and shows the time as approximately 11:23. Shortly after the appearance of the clock at 11:23, there is a frame of motion picture film showing that the camera was stopped and in the sound portion of the film that follows shortly thereafter, a voice is heard to say, "It is now 11:24 here in Dallas," which tends to establish the accuracy of the depicted police department clock. Three enlarged photographs of the best frame of the motion picture film showing the clock at its first appearance after the shooting are enclosed. The exhibits described above will be returned to the Commission separately.

Also enclosed are two copies of a memorandum dated June 16, 1964, at Dallas, Texas, together with two copies of its three attachments.

Sincerely yours,

J. Edgar Hoover

Enclosures (11)

NOTE: The exhibits listed in this letter are described as follows:

Exhibit 34A Silent film of Oswald shooting
from KRLD-TV
(continued on page 3)

- Exhibit 24A Sound film of Oswald shooting from Mr. Burt Shipp, WFAA-TV
- Exhibit HH Sound film of Oswald shooting taken by John Tankersley, WBAP-TV
- Exhibit 43A Sound film of Oswald shooting from Operations Desk, KRLD-TV
- Exhibit GG 16 mm film of Oswald shooting from John Tankersley, WBAP-TV
- Exhibit AA Sound tape of press statement by Chief J. E. Curry from KRLD-TV
- Exhibit 99A Sound tape of Oswald shooting from WFAA Radio
- Exhibit 39A Tape of interview of Eva Grant from Radio Station KLIF
- Exhibit 43B Still photographs from silent film of Oswald shooting from KRLD-TV (Mr. Robert Hankal)
- Exhibit 84B Still photographs of silent film of Oswald shooting from KRLD-TV (Mr. George Phenix)