

Mr. Conr

December 10, 1963

W. D. Griffith

ASSASSINATION OF PRESIDENT
JOHN F. KENNEDY, 11/22/63,
DALLAS, TEXAS

The camera used to take the 8mm movies of the assassination, some frames of which were later reproduced in Life magazine, has been received in the Laboratory from the Dallas Office. This is a Bell and Howell Zoomatic 8mm motion picture camera, and is the property of Abraham Zapruder.

It has been determined that the normal operating speed of this camera is 18 1/3 frames per second. Applying this camera speed to the film recording the assassination of President Kennedy, it has been determined that 4.74 seconds elapsed from the third frame (A) after the President emerged from back of a sign to the frame (B) in which he is hit in the head. It is in this third frame (A) after emerging from back of the sign that the President first starts to fall forward. The time from a frame (C) where the President's head disappears back of the sign which is about halfway through the sign to the frame (B) in which he is hit in the head is 5.57 seconds. In frames prior to this his head appears to be turned to the side and he appears to be waving at the crowd.

The time from the third frame (A) after the President emerges from back of the sign to a frame (D) where Governor John Connally makes a sudden move to turn back to face the front of the automobile was determined to be 3.49 seconds. In frames following the third frame (A) after the President emerges from in back of the sign Governor John Connally turns and faces directly back toward the President until the frame (D) where Governor John Connally makes the turn toward the front.

ACTION: Dallas is being advised by Laboratory report.

62-109060

- 1 - Mr. Belmont
- 1 - Mr. Rosen (Mr. Henry A. Schutz, Jr.)
- 1 - Mr. Sullivan (Mr. Elbert T. Turner)

SEY:GFM
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