

UNITED STATES GOVERNMENT

# Memorandum

TO : Mr. Conrad *MC*

DATE: 2/3/64

FROM : W. D. Griffith *W.D.G.*

SUBJECT: ASSASSINATION OF PRESIDENT JOHN F. KENNEDY  
DALLAS, TEXAS, 11/22/63  
REQUEST BY INVESTIGATING COMMISSION

Tolson	<input checked="" type="checkbox"/>
Belmont	<input checked="" type="checkbox"/>
Mohr	<input checked="" type="checkbox"/>
Casper	<input checked="" type="checkbox"/>
Callahan	<input checked="" type="checkbox"/>
Conrad	<input checked="" type="checkbox"/>
Felt	<input checked="" type="checkbox"/>
Gale	<input checked="" type="checkbox"/>
Rosen	<input checked="" type="checkbox"/>
Sullivan	<input checked="" type="checkbox"/>
Tavel	<input checked="" type="checkbox"/>
Trotter	<input checked="" type="checkbox"/>
Tele. Room	<input checked="" type="checkbox"/>
Holmes	<input checked="" type="checkbox"/>
Gandy	<input checked="" type="checkbox"/>

At the request of representatives of the Commission investigating the President's assassination, the Laboratory requested Dallas to furnish the motion picture camera used by a Mr. Orville O. Nix in filming a portion of the assassination. Examination of this camera was approved on the basis of a memo from W. D. Griffith to Mr. Conrad dated 1/28/64.

The Nix camera was found to have an average normal running speed of 18.5 frames per second (fps). This examination was made by checking the film speed at ten second intervals throughout the full running time of a fully wound camera. Several checks were made on a full roll of film and it was found that the film speed of the camera when fully wound runs at an average speed of 18.5 fps for the first ten seconds. It gradually increases to an average of 18.6 fps for the next ten seconds before gradually decreasing to an 18.425 fps average for the next ten seconds. The final five seconds run at an average speed of 15.75 fps. This results in an over-all average of 17.825 fps; however, the normal average running film speed, exclusive of the last five seconds, is 18.5 fps. Since the pertinent portions of Mr. Nix's assassination film were exposed prior to the last five seconds of running time, the 18.5 fps average film speed is the most realistic figure to use in relation to the assassination portion of his film.

RECOMMENDATION: That the attached letter be sent to Mr. J. Lee Rankin furnishing him with the results of the examination requested by the Commission.

Enclosure *sent 2-4-64*

- 1 - Mr. Belmont
- 1 - Mr. Mohr
- 1 - Mr. Rosen (Mr. Malley)
- 1 - Mr. Callahan (Mr. Gauthier)
- 1 - Mr. Sullivan

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