

## Assassination Records Review Board-Kodak Meeting of August 21, 1997

### Review of Previous Discussions:

- Subsequent to informal meetings between Kodak and ARRB during the summer and fall of 1996, in January 1997 Kodak formally donated \$ 20,000.00 of labor and materials to ARRB.<sup>1</sup>
- In February, 1997 ARRB identified potential projects in writing so that Kodak could estimate the costs of each project.<sup>2</sup>
- In April, 1997 Kodak provided cost estimates for each potential project identified by ARRB.<sup>3</sup>
- In July, 1997 the Executor for the Kennedy Family Deed-of-Gift granted permission for movement of selected autopsy photographic materials to technical sites for research purposes, subject to ensuring that an appropriate level of security shall be maintained to prevent unauthorized purloining of autopsy materials.<sup>4</sup>

Photographic Work Desired by ARRB: (Items 1, 3 and 4 from ARRB letter of February 7, for a total estimated cost of \$ 17,100.00)

- (1) Digitally scan and enhance, to the extent possible, the 3 latent post-mortem images of President Kennedy on the developed roll of 120 film. (Kodak estimate: \$ 3,500.00)
- (2) Conduct film tests using a Model 414 PD Bell and Howell Zoomatic Director Series camera to determine whether the recognized anomalies in the Zapruder film theoretically attributed to claw flare, vignetting, development turbidity, first-frame inertial effect, and the design of the photo-electric cell are borne out by actual tests with film--i.e., create a "control" against which to compare the film identified in the Archives as the "out-of-camera original." (Kodak estimate: \$ 10,000.00)

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<sup>1</sup>Kodak ltr to ARRB (ser JRM:mjf) dated January 7, 1997

<sup>2</sup>ARRB ltr to Kodak dated February 7, 1997

<sup>3</sup>Kodak ltr to ARRB (ser JRM:mjf) dated April 14, 1997

<sup>4</sup>Burke Marshall letter to the Honorable John R. Tunheim dated July 10, 1997

- (3) Digitize, analyze, and render judgments on selected autopsy images (color transparencies no. 42 and 43, and black-and-white negatives 15 and 16)<sup>5</sup> of President Kennedy which pertain to authenticity (i.e., in order to determine whether the photographic products in the Archives represent unaltered images of a human form [i.e., a body at autopsy], altered images of a human form, or perhaps photographs of another [possibly altered] photograph. If these images are determined to be unaltered images of a human form, what additional details can be brought out through special color/false color processing and/or enhancement?)  
(Kodak estimate: \$ 3,600.00)

Possible Additional Tests (with \$ 2,900.00 remaining)

- (1) Write a technical report on the exact meaning of the edge print and date-code found on the Zapruder films at the National Archives designated as “out-of-camera original” and the two first-generation Secret Service copies, and address, to the extent possible, what the edge and date codes reveal about each film’s pedigree. (This would involve travel to Washington to examine the films in the Archives.)
- (2) Compare color print paper from sample autopsy photographic print from Deed-of-Gift collection with sample print (circa early November 1963) provided by former employee of Naval Photographic Center<sup>6</sup>, and determine whether the Kodak logo markings on the reverse side of each respective print reveals whether or not each print is from the same lot, or a different lot, of photographic paper.
- (3) Write a technical report assessing the age and pedigree of selected 35 mm copies of the Nix and Muchmore films (1 each) presently held at the National Archives. (This would involve travel to the National Archives in Washington.)

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<sup>5</sup>Black-and-white photocopy taken from HSCA Volume 7 is provided here for illustration purposes.

<sup>6</sup>Photocopy of reverse side of subject print provided here for illustration purposes.