



DEPARTMENT OF DEFENSE
ARMED FORCES INSTITUTE OF PATHOLOGY
WASHINGTON DC 20306-6000

REPLY TO
ATTENTION OF

Office of the Armed Forces
Medical Examiner (40-31a)

AFIP Accession No. 2690845-00
No Name
National Archives Case No. C.E. 567
AFDIL Case No. 98C-1073

Steven D. Tilley, Chief.
Special Access and FOIA Staff/NWCTF
National Archives and Records Administration
8601 Adelphi Road, Room 6350
College Park, MD 20740-6001

10/2 1999

CONSULTATION REPORT ON CONTRIBUTOR MATERIAL

1. Report Summary
 - a. This is a report of mitochondrial DNA (mtDNA) sequence analysis that involves evidence from the John F. Kennedy assassination.
 - b. Inconclusive sequence information was obtained for all submitted samples. Multiple amplification and sequencing reactions were performed in an attempt to obtain confirmatory data.

OAFME-DNA

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2. Specimens Received

The following samples were received from National Archives Case No. C.E. 567:

	<u>AFDIL Specimen No.</u>
<u>9 September 1998</u>	
Petri dish labeled, "01B MMH 3 Sep 98..."	01B
Petri dish labeled, "MMH 3 Sep 98 03B..."	03B

	<u>AFDIL Specimen No.</u>
<u>15 September 1998</u>	
Petri dish labeled, "02B MMH 3 Sep 98"	02B
Petri dish labeled, "MMH 04B MMH 3 Sept 98"	04B

	<u>AFDIL Specimen No.</u>
<u>13 October 1998</u>	
Paraffin block labeled, "01A"	01A
Paraffin block labeled, "02A"	02A
Paraffin block labeled, "03A"	03A
Paraffin block labeled, "04A"	04A

3. Methods

DNA is extracted from selected specimens. Multiple copies of a specific region of mtDNA are generated using the polymerase chain reaction (PCR). This region is known to have variability within the human population. The predominant base composition (or sequence) is determined using automated DNA sequencing chemistry and gel electrophoresis. The base composition consists of adenine (A), cytosine (C), guanine (G), and thymine (T). Sequence information is analyzed to determine variability when compared to a published standard sequence (Anderson, et al. 1981. Nature 290:457-465) that is presented as "Standard."

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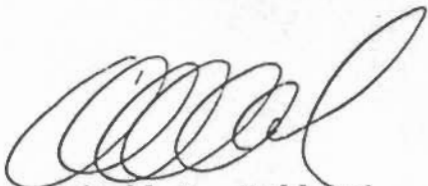
4. Address further information to: DoD DNA Registry, Armed Forces Institute of Pathology Annex, ATTN: Armed Forces DNA Identification Laboratory, 1413 Research Boulevard, Building 101, Rockville, MD 20850-3125.



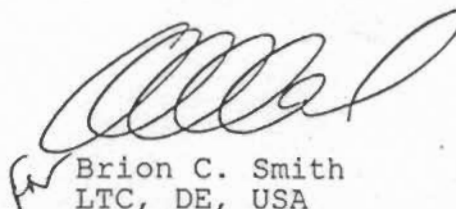
Richard E. Wilson
Supervisory DNA Analyst
Armed Forces DNA
Identification Laboratory



John H. Ryan
Chief DNA Analyst
Armed Forces DNA
Identification Laboratory



Mitchell M. Holland
Scientific Laboratory Director
Armed Forces DNA
Identification Laboratory



Brion C. Smith
LTC, DE, USA
Chief Deputy Medical Examiner
DoD DNA Registry