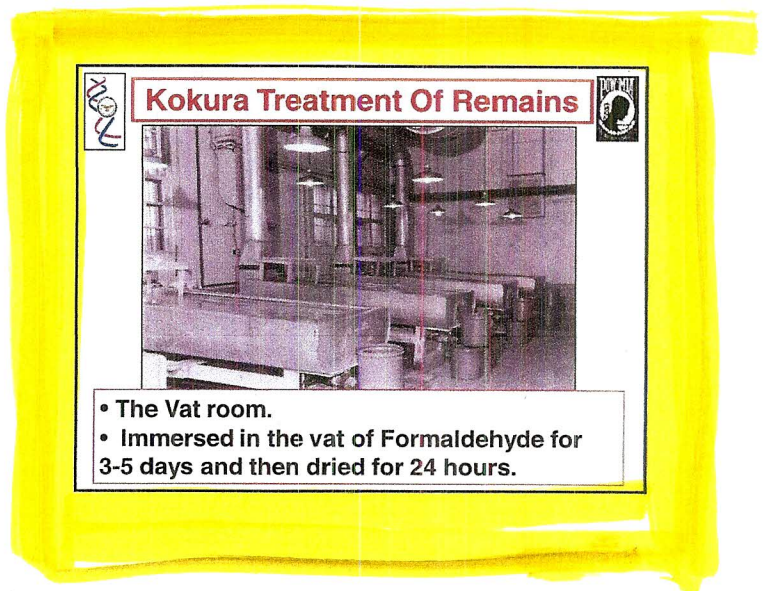
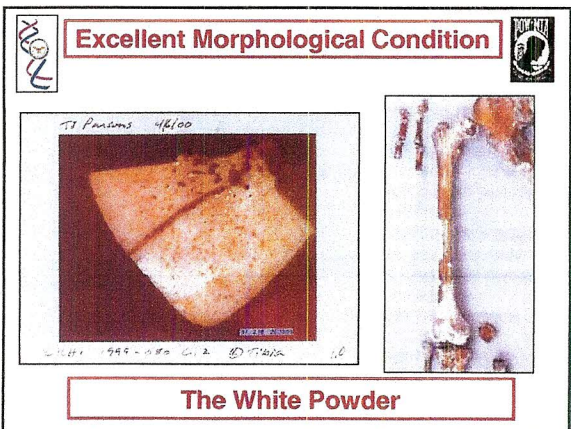
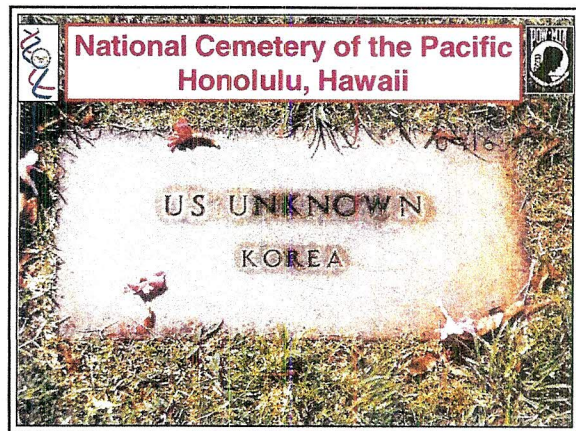
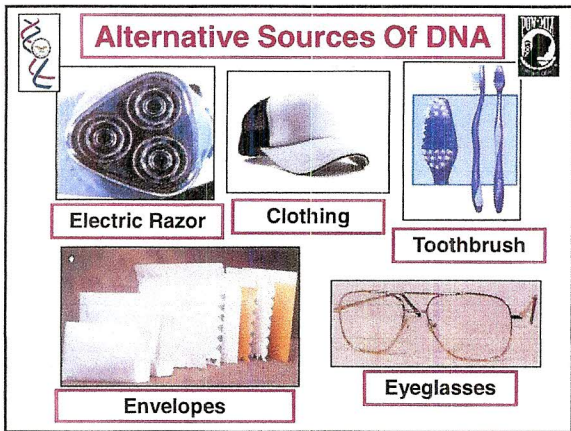
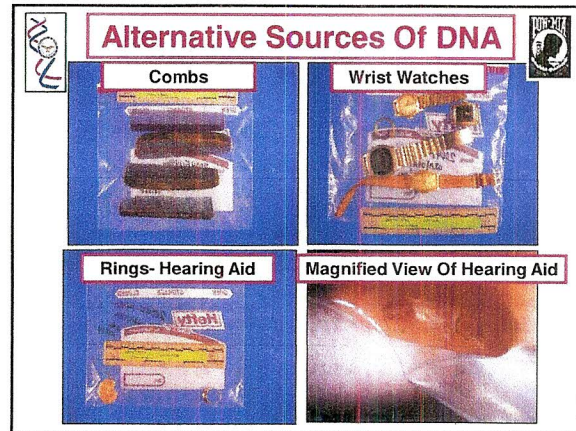
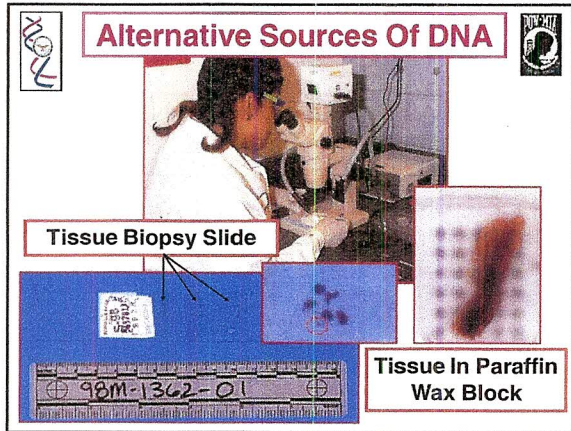


ATTACHMENT NUMBER 2

**PLAINTIFF' REPLY TO DEFENDANTS' OPPOSITION TO  
MOTION TO INTERVENE FILED BY SALLY HILL JONES**

CIV. A. NO. SA-12-CA-1002-FB(HJB)

Armed Forces DNA Identification Laboratory – Dallas, TX – 25 February 2012



Armed Forces DNA Identification Laboratory – Dallas, TX – 25 February 2012

### Graves Registration Services Report

**Semi-skeletal or Skeletal Remains**

- Sprinkled with cavity fluid.
- Occasionally necessary to inject cavity fluid hypodermically.
- Sprinkled liberally with hardening compound.

**Cavity Fluid: 48 to 50% Formaldehyde !!!!**

**Hardening Compound: 3% Paraformaldehyde**

### Demineralization Protocol

**New Extraction Techniques**

- Increase DNA Yield For Difficult Samples
- Improved Ability To Recover Nuclear DNA

90-100% success
80-89.9% success
70-79.9% success
60-69.9% success
50-59.9% success
40-49.9% success
30-39.9% success
0-20% success

**Non-demineralization Success**  
5886 Samples Processed

90-100% success
80-89.9% success
70-79.9% success
60-69.9% success
50-59.9% success
40-49.9% success
30-39.9% success
0-20% success

**Demineralization Success**  
736 Samples Processed

### Next Generation Technology

**mtDNA Sequence**

- Amplification
- Sequencing
- Capillary Electrophoresis
- Fluorescent Detection
- Number of Bases
- Order of Bases
- ATGCCTAGCAG

**mtDNA Base Composition**

- Electrospray Ionization Mass Spectrometry
- Mass Determination
- Number of Bases
- 3-As - 2-Ts
- 3-Gs - 3-Cs

**Abbott Plex-ID**

Gillette Facility  
Rockville, Maryland  
(AFDIL)

## 2005 Base Re-Alignment & Closure Commission (BRAC)

UPS Facility  
Gaithersburg, Maryland  
(AFRSSIR)