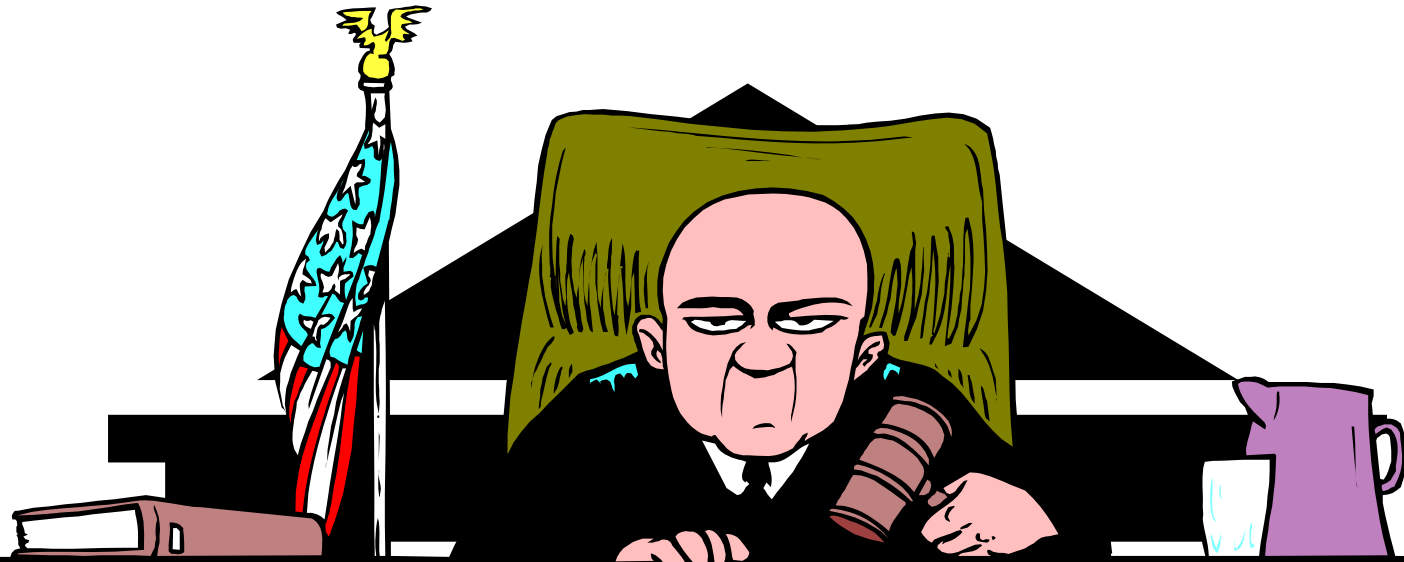


2010 BIOMETRICS CONFERENCE

The Link Between The
Battlefields & Borders

Susan Ballou: Program
Manager
NIST/OLES

1995 –



**DNA
FUNDING -**

**THE
REPORT....**

February 18, 2009

NAS REPORT RECOMMENDATIONS

- ◎ #1: Establishing the National Institute of Forensic Science (NIFS)
 - Congress should establish and appropriate funds for an independent federal entity to oversee all forensic science activities.
- ◎ #2: Establish standard terminology to be used in reporting on and testifying about the results of forensic science investigations. Utilize model laboratory reports.

NAS REPORT RECOMMENDATIONS

- #3: Fund peer reviewed research
 - Demonstrate the validity of methods
 - Establish the limits of reliability and accuracy that methods can expect to achieve
 - Quantifiable measures of uncertainty in conclusions
 - Automated techniques
- #4: Remove all public forensic laboratories and facilities from the administrative control of law enforcement agencies or prosecutor's offices.

NAS REPORT RECOMMENDATIONS

- ◎ #5: Research on human observer bias and sources of human error
- ◎ #6: Develop tools for advancing measurement, validation, reliability, information sharing, and proficiency testing
 - Standards should reflect best practices and serve as accreditation tools.
- ◎ #7: Mandatory:
 - Laboratory accreditation
 - Certification of all forensic science professionals

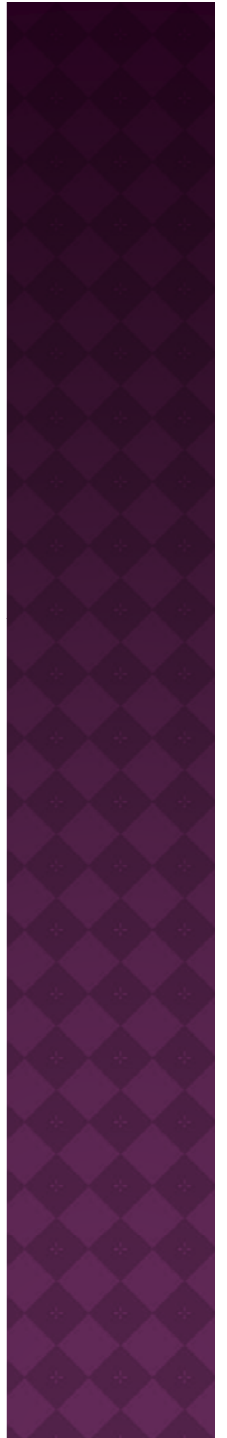
NAS REPORT RECOMMENDATIONS

- ◎ #8: Establish QA/QC procedures for all forensic laboratories.
- ◎ #9: Establish a national code of ethics and mechanisms for enforcement.
- ◎ #10: Improve and develop graduate education programs to include law schools
- ◎ #11: Improve medicolegal death investigation

NAS REPORT RECOMMENDATIONS

- #12: Achieve nationwide fingerprint data interoperability.
 - Standards for representing and communicating image and minutiae data
 - Baseline standards to be used with computer algorithms

- #13: Establish a network to manage and analyze evidence from events that affect homeland security.



**President
Vice President**

Office of Science and Technology Policy

OSTP

National Science and Technology Council

NSTC

Committee on Science

Sub Committee on Forensic Science

**Interagency Working Groups
(IWGs)**

5 IWGS

1. Certification, Accreditation and Licensing
2. Education and Ethics
3. Research, Development, Evaluation and Testing
4. Standards, Practices, and Protocols
5. Outreach

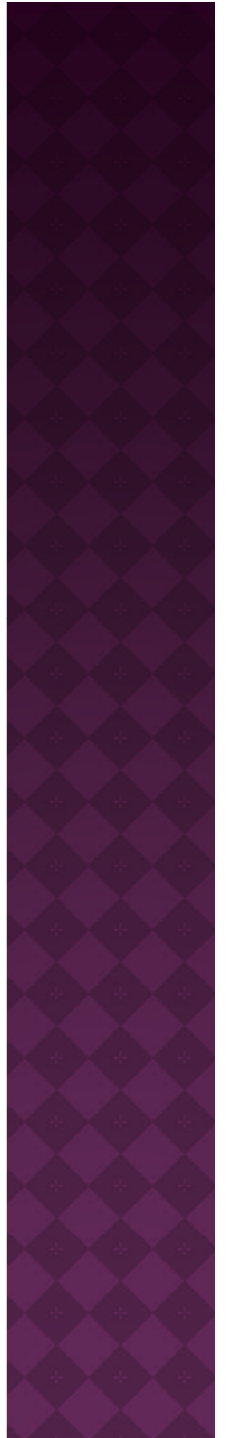
ACTIONS:

- ◎ **What should be standardized?**
 - **Specific techniques?**
 - **Reporting criteria?**
 - **Language used in reports?**
 - **Discovery information?**
 - **Evidence management?**

ACTIONS:

- ◎ **Inventory Existing**
 - ◎ **Standards**
 - ◎ **Research**
 - ◎ **Training**
 - ◎ **Education**
 - ◎ **Accreditation**
 - ◎ **Certification**

- ◎ **Conduct a gap analysis**



THROUGH LEADERSHIP SET HIGH ETHICAL STANDARDS

Thank you

Susan Ballou

susan.ballou@nist.gov

301-975-8750

