International Association for Identification (IAI)
IAI History

- Founded in 1915 in Oakland, California
PRINTS OF PRESIDENT WARREN G. HARDING
Recorded during the 1921 Convention in Washington
1. Harry Caldwell
2. Clifford Grant
3. Fred Sandberg
IAI Today

- 6,700 Members
- 68 Countries
- Every State in the USA
IAI Member Benefits

Certification Programs

- **Latent Print Examiner**
- Crime Scene (3 Levels)
- Bloodstain Pattern Interpretation
- Forensic Art
- Forensic Photographer
- Footwear Examiner
- **Tenprint Fingerprint Examiner**
IAI Member Benefits
IAI Members

- Involved on the “front end” of the process – crime scene investigation, evidence collection, preservation etc.

- Pattern Evidence: Fingerprint, Footwear, Tiretrack, Questioned Document, Forensic Photography, Forensic Art
Public Sector Forensics Community

- Crime Labs
- Non-Crime Lab Forensic Service Providers
  - Located in law enforcement agencies; identification, fingerprint, evidence units etc.
  - Crime Scene Investigators
  - No accurate census of this community
  - West Virginia University is creating a census to be distributed this year
...assess present and future resource needs...

- Greater visibility of all forensic science sectors, not only DNA

- Adequate funding for ALL forensic disciplines – not only DNA
Need for additional foundational research in pattern evidence forensic disciplines i.e. Fingerprint Identification, Footwear/Tiretrack etc.

...identify potential scientific advances...
...Continual evaluative/critical reviews of the state of the science are encouraged

...Novel research to assess the reliability of friction ridge impression examinations is also encouraged and should include impressions that address both the quality and quantity of ridge detail included in Levels 1, 2, and 3 details.
Few forensic science labs can conduct research

Not equipped for that role

...identify potential scientific advances...
Recognition of non-crime laboratory forensic service providers in law enforcement agencies and their monetary needs...
...identify potential scientific advances...

- Examine crime scene technology to allow fingerprints, DNA etc. to be better discriminated and perhaps searched from the scene
...disseminate best practices...

- Analysis of quality systems i.e. accreditation and certification across all forensic disciplines and providers
...interoperability/interconnectivity of AFIS...

Automated Fingerprint Identification Systems (AFIS)
Two AFIS major uses:

Tenprint - Arrest, Civil background
Latent - Crime Scene id
AFIS systems began before national standards
State and local AFIS of different manufacture (or even same manufacture) cannot directly communicate with each other for latent print searching...
Unlike CODIS or NIBIN, AFIS is decentralized.

- 100’s of Systems - < 10 major manufacturers
...interoperability/interconnectivity of AFIS...

Philosophy:

Enter Once, Search Many
IAI AFIS
Interoperability/Interconnectivity
Study between NYPD and New Jersey State Police
...interoperability/interconnectivity of AFIS...

- Major case latent prints not identified in NYPD will be searched through the NJSP AFIS;
- How many new identifications made?
- What are the problems
  - Technical
  - Administrative
  - Legal
AFIS Interoperability/Interconnectivity - Why Not?

- Problem has been around for years - no one willing to address
- Technically feasible
- Political will to make it happen
- Intellectual property rights issues
- Public Safety suffers e.g. Malvo case
FBI’s AFIS System

- 50M criminal records
- Limited search access
- Searches from local, state are not seamless
Integrated Automated Fingerprint Identification System (IAFIS)

Bad News:
IAFIS is underutilized for latent fingerprint identification – only 42 states have remote latent search capability

Good News:
More submissions in 2006 than 2005
AFIS
Interoperability/Interconnectivity

- Begin with research to identify the issues
  - User Community
  - Vendors
  - NIST
  - NIJ
  - FBI
  - Others
...recommendation for programs to increase number of forensic scientists...

- Great need for foundational and in-service training for pattern evidence – particularly critical in fingerprint and firearm analysis
- No well defined curricula for pattern evidence – fingerprint analysis etc.
- Need uniform training and protocols for crime scene investigation
Firearms training
- 2 years to become proficient
- Extreme shortage of training programs
- ATFE cancelled the upcoming firearms class due to budget issues

...recommendation for programs to increase number of forensic scientists...
Fingerprint training
- 2 - 3 years to become proficient
- Extreme shortage of training programs
- In years past FBI was prime provider of basic and advanced fingerprint training - no longer able to do that
- Who will do this in the future?
- Many examiners are trained by co-workers in an apprentice-like setting
A possible scenario:

Best technology to make latent print identifications, but....

no staff to make them!
...role of the forensic community in the Homeland Security mission...

- Terrorism incidents will always result in local response regardless of federal policies
- Treat as crime scenes
- Florida anthrax case
Summary

- Some topics may require more in-depth study by the committee
- Resources available to assist in that study
- Packet will be provided regarding the IAI, its history and programs and background to information presented here.