



International Association for Identification (IAI)

IAI

**Joe Polski, Chief Operations
Officer**

IAI

2535 Pilot Knob Road, Suite 117
Mendota Heights, Minnesota

IAI History

n Founded in 1915 in Oakland,
California

M-9-21 R. 288-16

NAME Warren G. Harding
President of the United States

CLASSIFICATION 1 U I O 11
FORMULA 2 6 I O 11

NO. _____ COLOR _____

1. RIGHT THUMB	2. R. FORE FINGER <i>I 9</i>	3. R. MIDDLE FINGER <i>0</i>	4. R. RING FINGER	5. R. LITTLE FINGER <i>11</i>
6. LEFT THUMB	7. L. FORE FINGER <i>I 2</i>	8. L. MIDDLE FINGER <i>0</i>	9. L. RING FINGER <i>W</i>	10. L. LITTLE FINGER <i>11</i>

PLAIN IMPRESSIONS OF THE FOUR FINGERS TAKEN SIMULTANEOUSLY

LEFT HAND

RIGHT HAND

By Harry H. Caldwell DATE Sept. 21/21
 CLASSIFIED BY J.H. Taylor DATE Sept. 22/21
 INDEXED BY Fred Sculberg DATE Sept. 22/21

Warren G. Harding

PRINTS OF PRESIDENT WARREN G. HARDING
Recorded during the 1921 Convention
in Washington

1. Harry Caldwell
2. Clifford Grant
3. Fred Sandberg



IAI Today

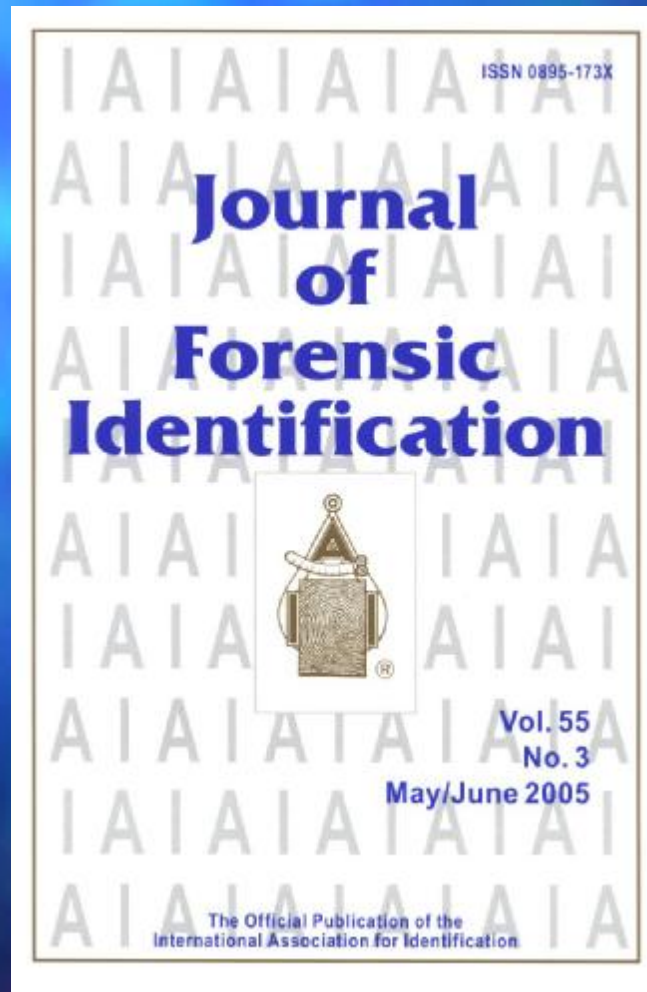
- n 6,700 Members
- n 68 Countries
- n Every State in the USA

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

- n Involved on the “front end” of the process – crime scene investigation, evidence collection, preservation etc.
- n Pattern Evidence: Fingerprint, Footwear, Tiretrack, Questioned Document, Forensic Photography, Forensic Art

Public Sector Forensics Community

n Crime Labs

n 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...

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

n Adequate funding for ALL forensic disciplines – not only DNA

...identify potential scientific advances...

n Need for additional foundational research in pattern evidence forensic disciplines i.e. Fingerprint Identification, Footwear/Tiretrack etc.

2002 Chicago Fingerprint Forum Recommendation

...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.

...identify potential scientific advances...

n Few forensic science labs can
conduct research

n Not equipped for that role

...additional issues pertaining to forensic science...

n Recognition of non-crime
laboratory forensic service
providers in law enforcement
agencies and their monetary needs

...identify potential scientific advances...

n Examine crime scene technology to allow fingerprints, DNA etc. to be better discriminated and perhaps searched from the scene

...disseminate best practices...

n Analysis of quality systems i.e.
accreditation and certification
across all forensic disciplines and
providers

...interoperability/interconnectivity of AFIS...

Automated Fingerprint Identification Systems (AFIS)

...interoperability/interconnectivity of AFIS...

Two AFIS major uses:

Tenprint – Arrest, Civil background

Latent - Crime Scene id

...interoperability/interconnectivity of AFIS...

**AFIS systems began before
national standards**

...interoperability/interconnectivity of AFIS...

State and local AFIS of different manufacture (or even same manufacture) cannot directly communicate with each other for latent print searching

...interoperability/interconnectivity of AFIS...

- n Unlike CODIS or NIBIN, AFIS is decentralized
- n 100's of Systems – < 10 major manufacturers

...interoperability/interconnectivity of AFIS...

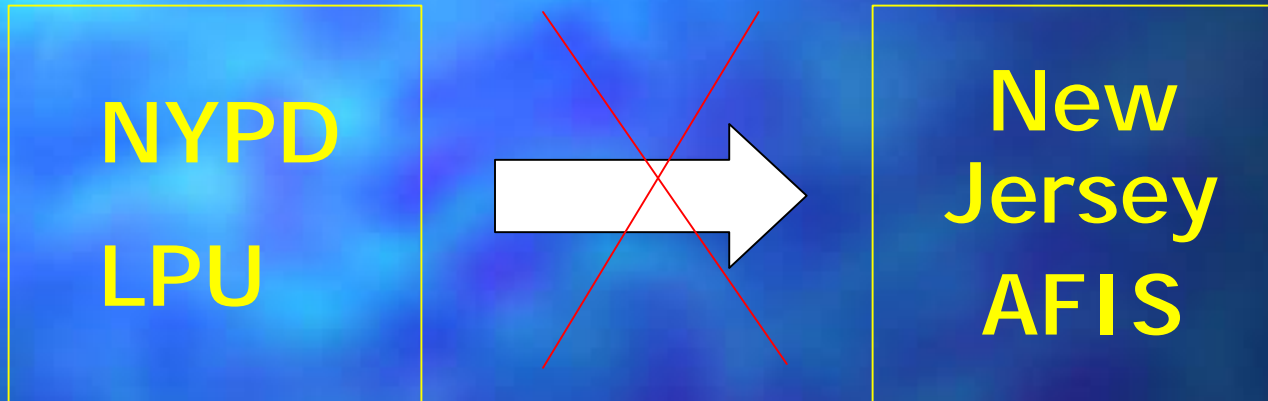
Philosophy:

Enter Once, Search Many

...interoperability/interconnectivity of AFIS...

IAI AFIS
Interoperability/Interconnectivity
Study between NYPD and New
Jersey State Police

...interoperability/interconnectivity of AFIS...





...interoperability/interconnectivity of AFIS...

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

AFIS Interoperability/Interconnectivity – Why Not?

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

Integrated Automated Fingerprint Identification System (IAFIS)

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

- n Begin with research to identify the issues
 - User Community
 - Vendors
 - NIST
 - NIJ
 - FBI
 - Others

...recommendation for programs to increase number of forensic scientists...

- n Great need for foundational and in-service training for pattern evidence – particularly critical in fingerprint and firearm analysis
- n No well defined curricula for pattern evidence – fingerprint analysis etc.
- n Need uniform training and protocols for crime scene investigation

...recommendation for programs to increase number of forensic scientists...

n 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

...recommendation for programs to increase number of forensic scientists...

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...*

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

Summary

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