

FINGERPRINT DATABASES

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Requested Questions

What role do fingerprint examiners have in determining which fingerprints are searched in these databases? If an item of evidence has not been tested, can defense attorneys have it tested and any prints entered in these databases? Can error be associated with database matches?

Role fingerprint examiners have in determining which fingerprints are searched in these databases

Value – Comparison for identification or exclusion?

- Is the print of value?

The applying the appropriate methodology, ACE-V

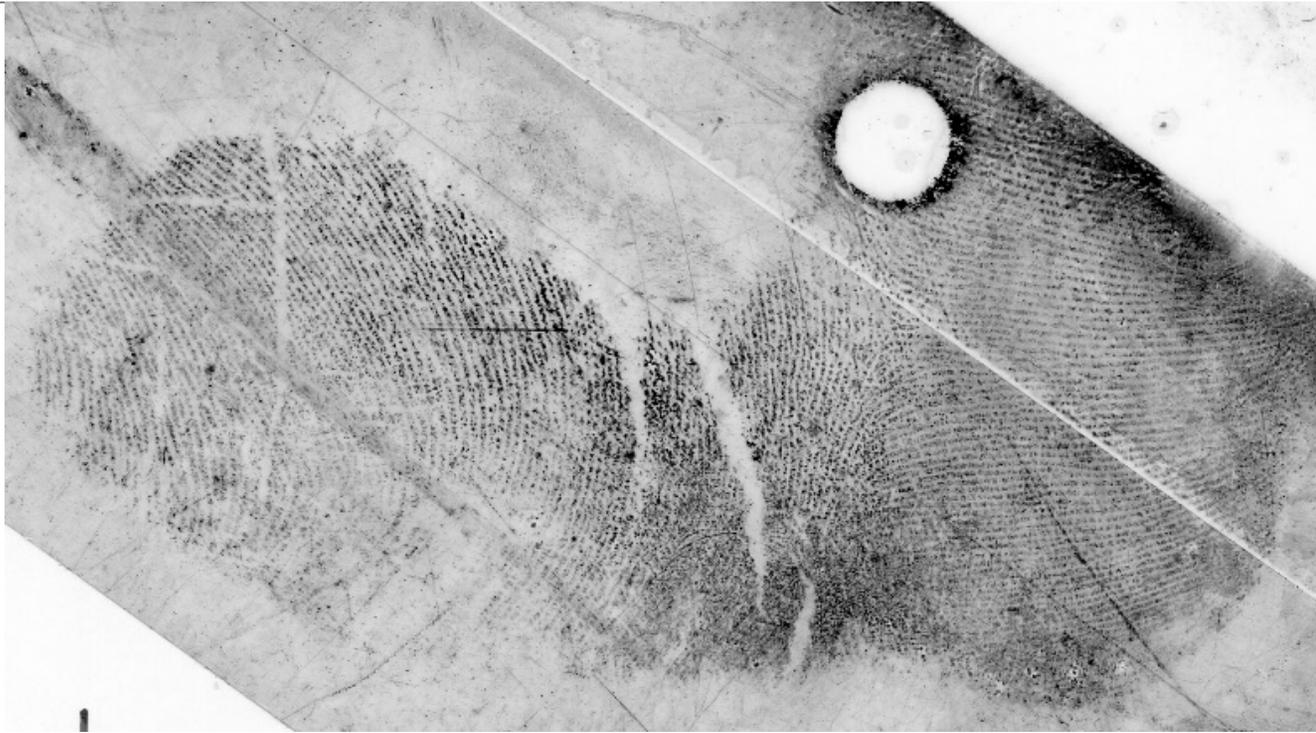
- Analysis
- Comparison
- Evaluation
- Verification

Decision will typically be either Identification, Exclusion, or Inconclusive

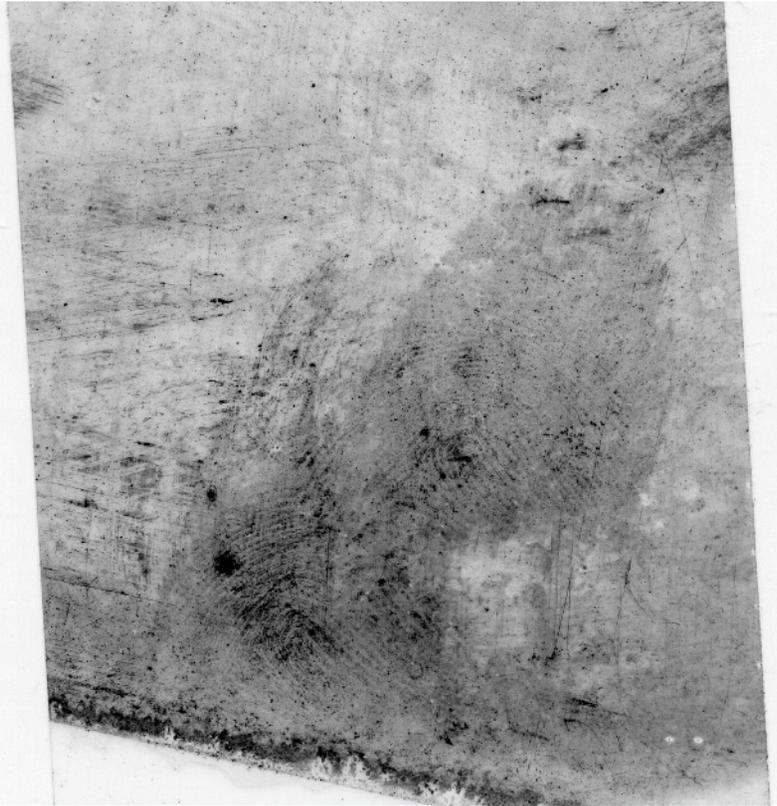
Value?



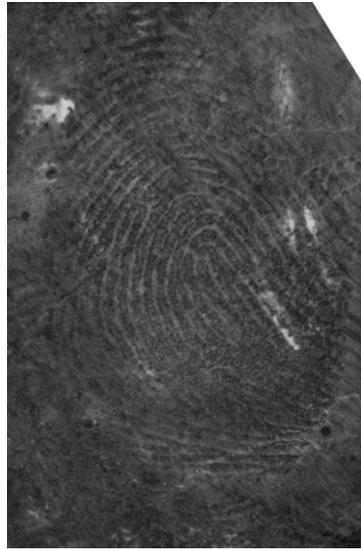
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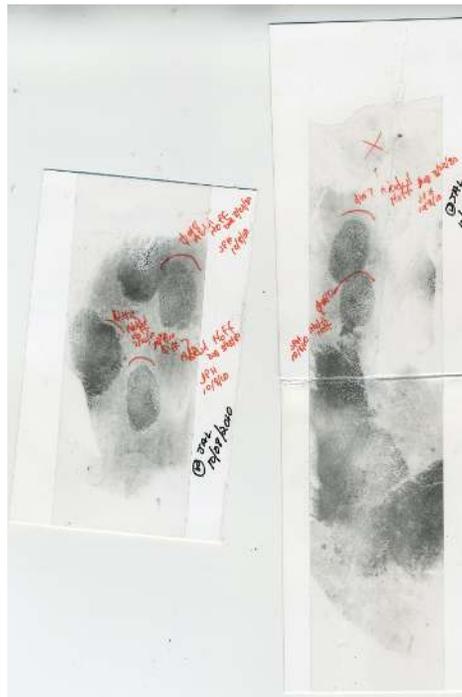
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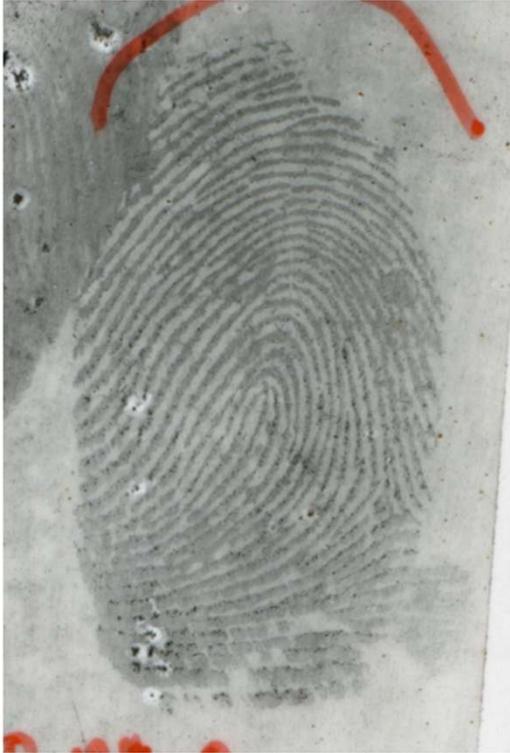


Value?



State v. Hoff, 736 S.E.2d 204 (2012)





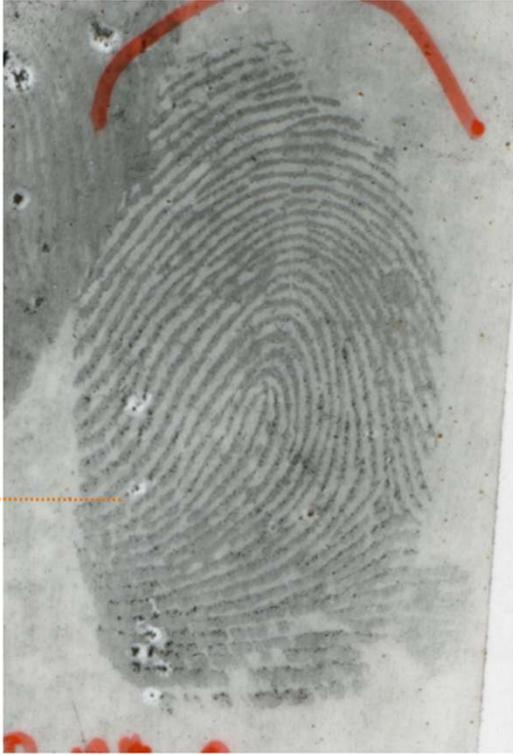
Unknown Finger



Hoff #8 Finger

Person County Sheriff's Office OCA #1001433



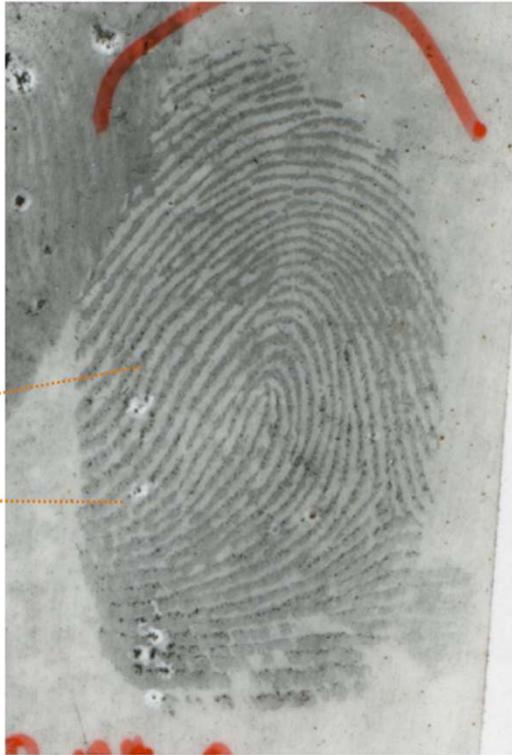


Unknown Finger

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Person County Sheriff's Office OCA #1001433



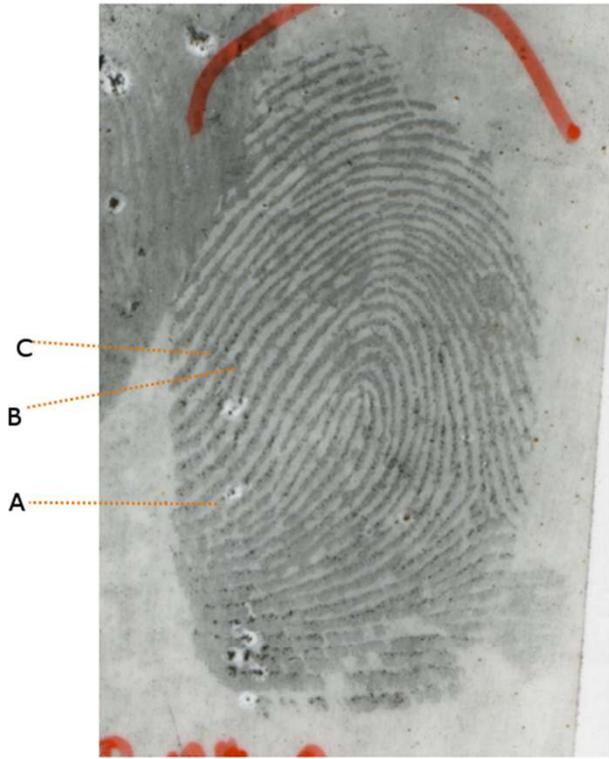


Unknown Finger

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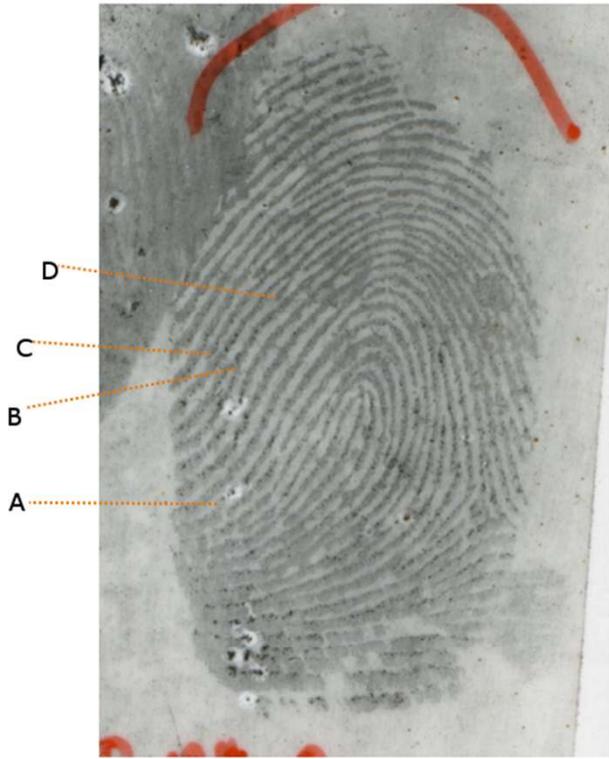
Unknown Finger



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Unknown Finger

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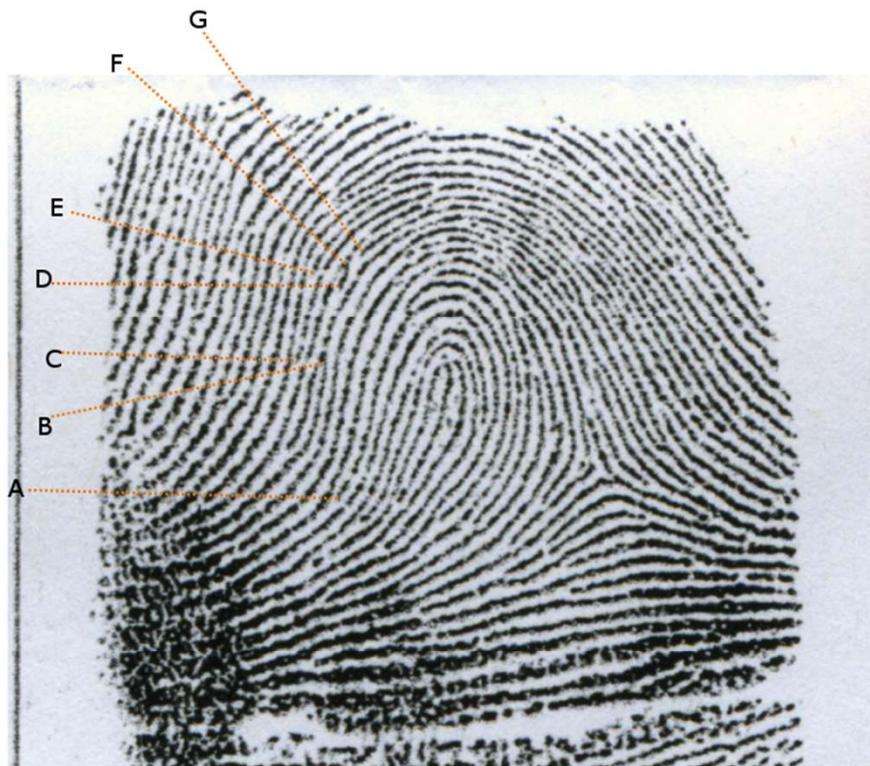


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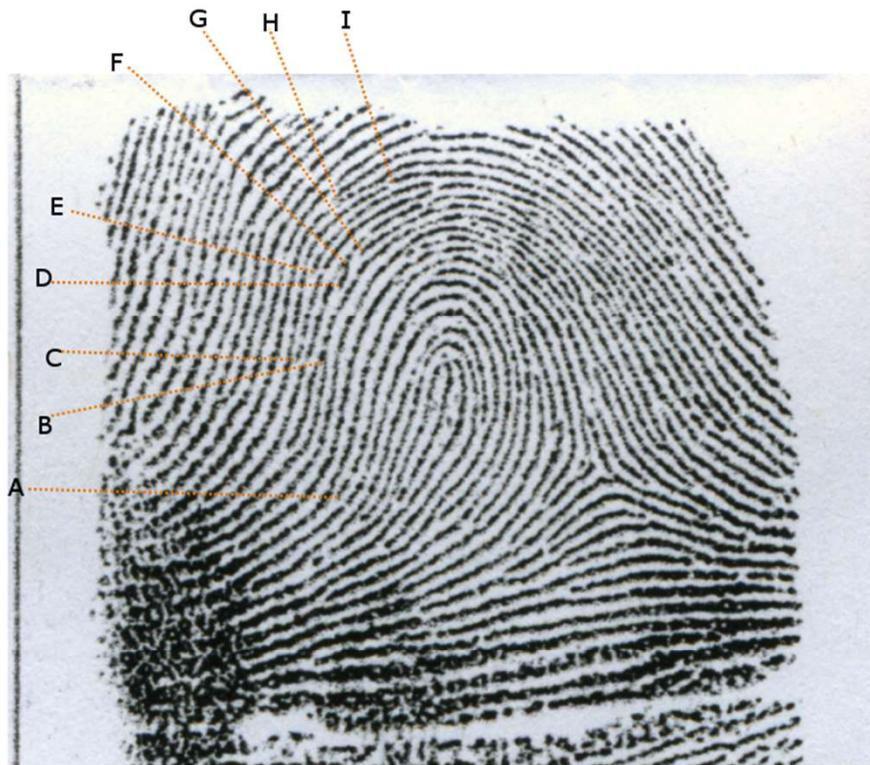


Unknown Finger

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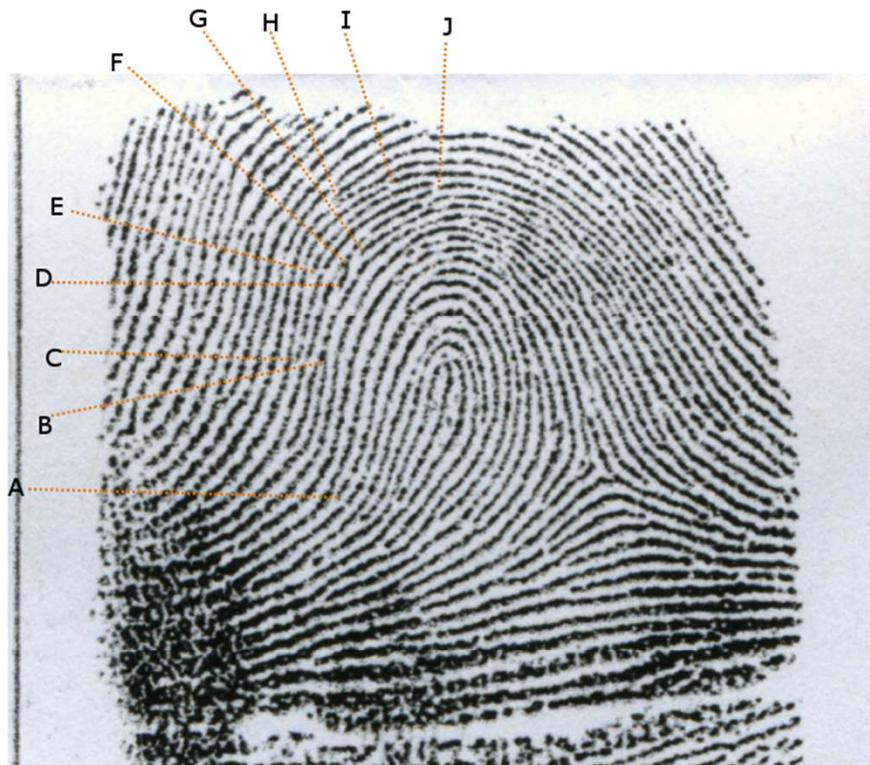


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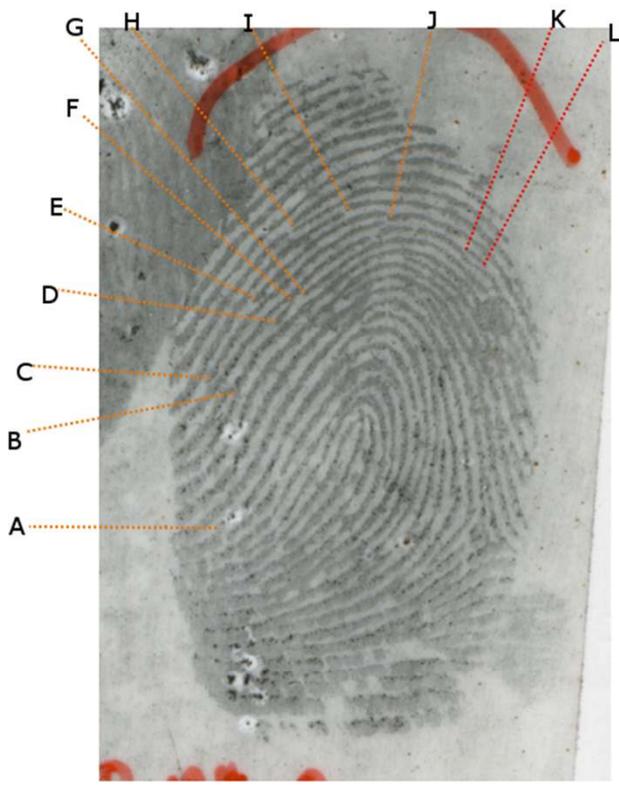


Unknown Finger

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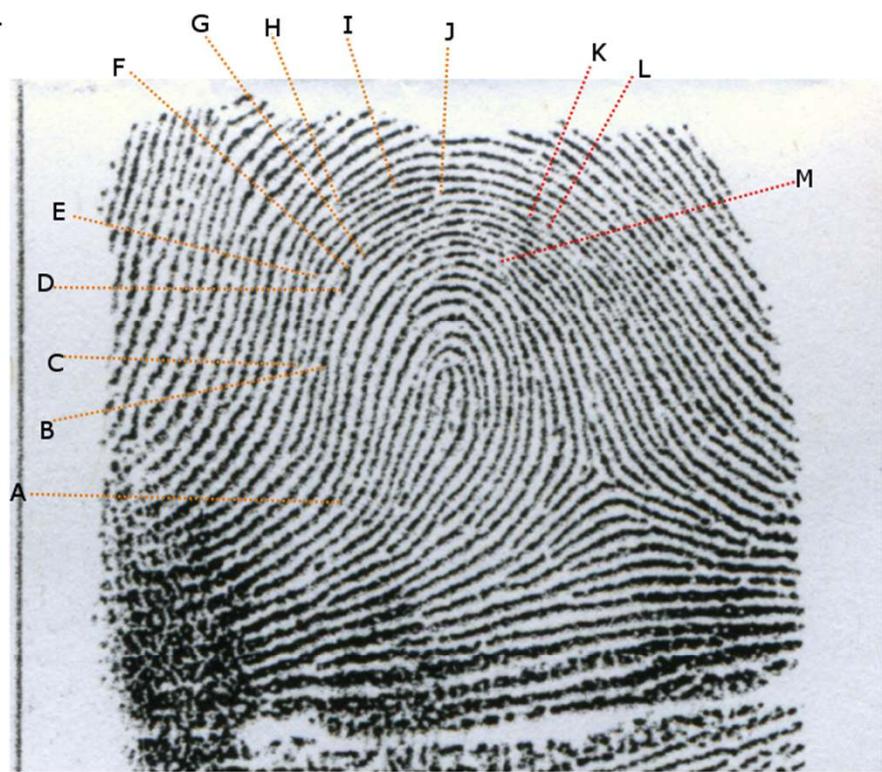
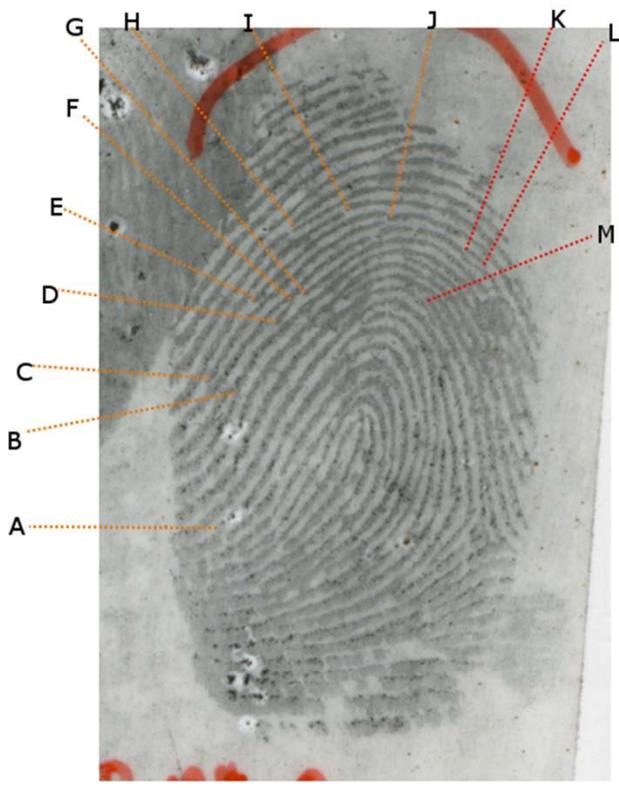


Unknown Finger

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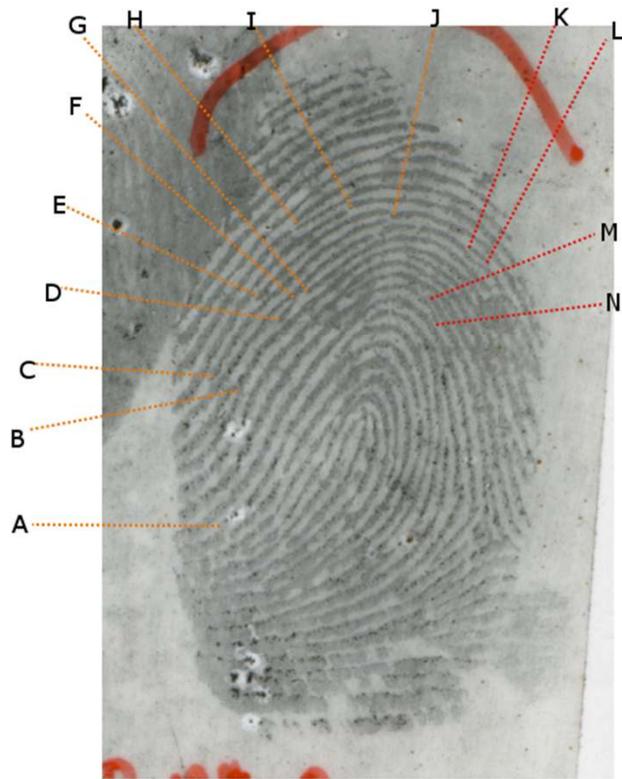


Unknown Finger

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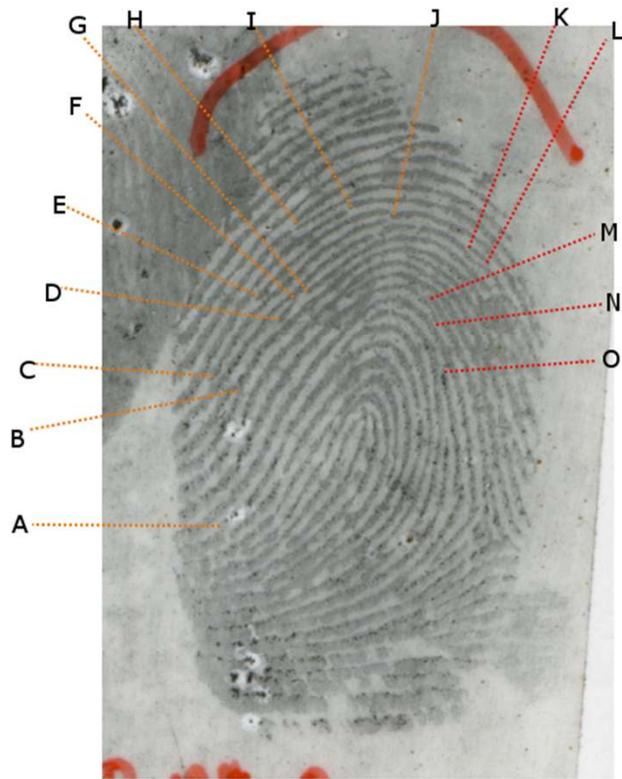


Unknown Finger

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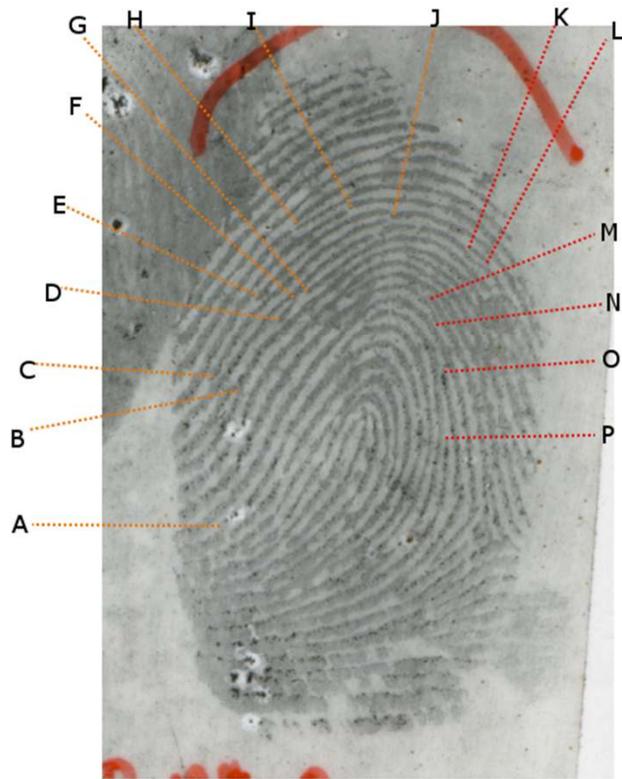


Unknown Finger

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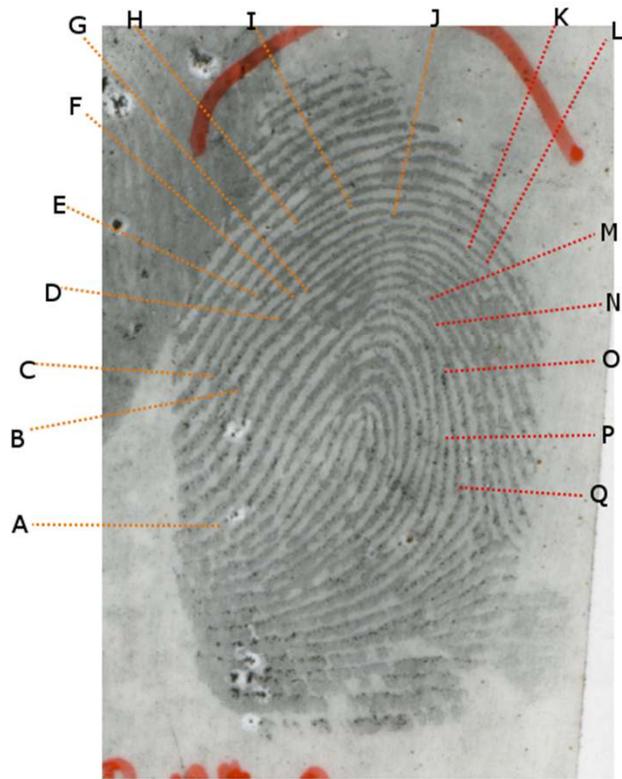


Unknown Finger

Hoff #8 Finger

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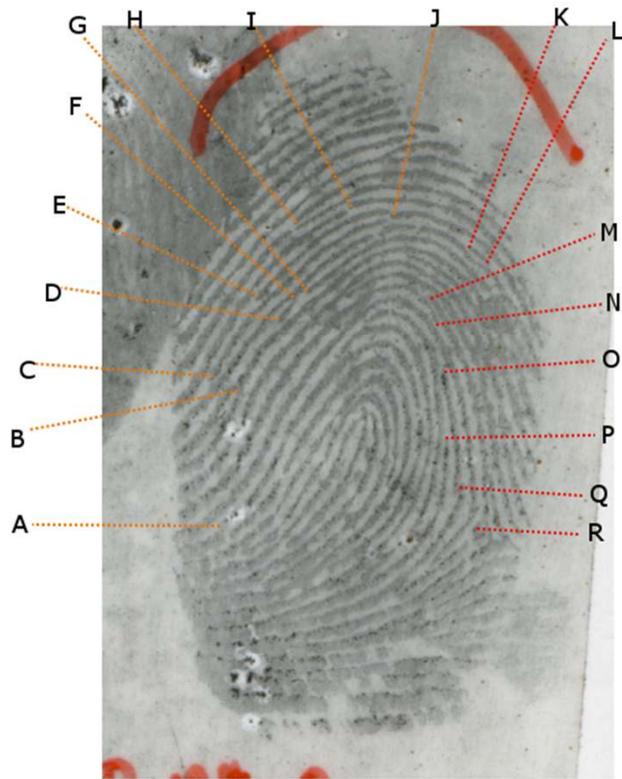
Unknown Finger



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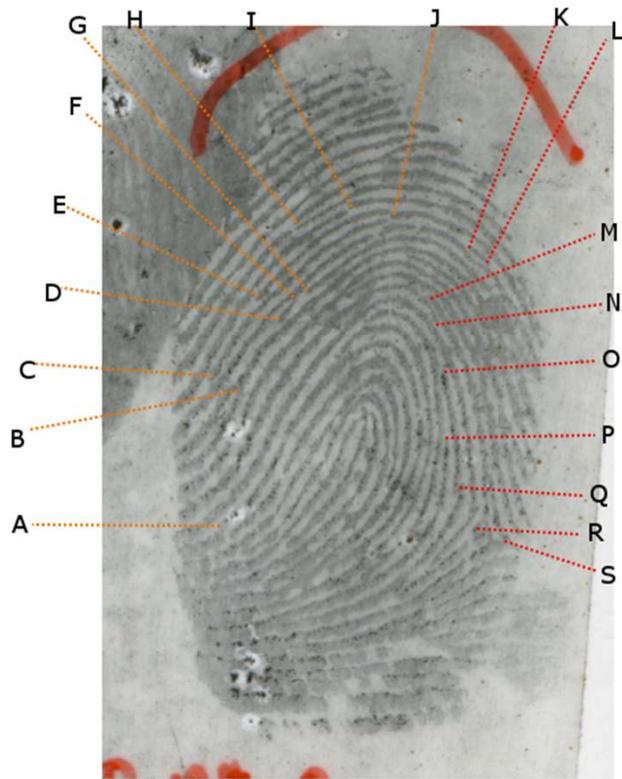


Unknown Finger

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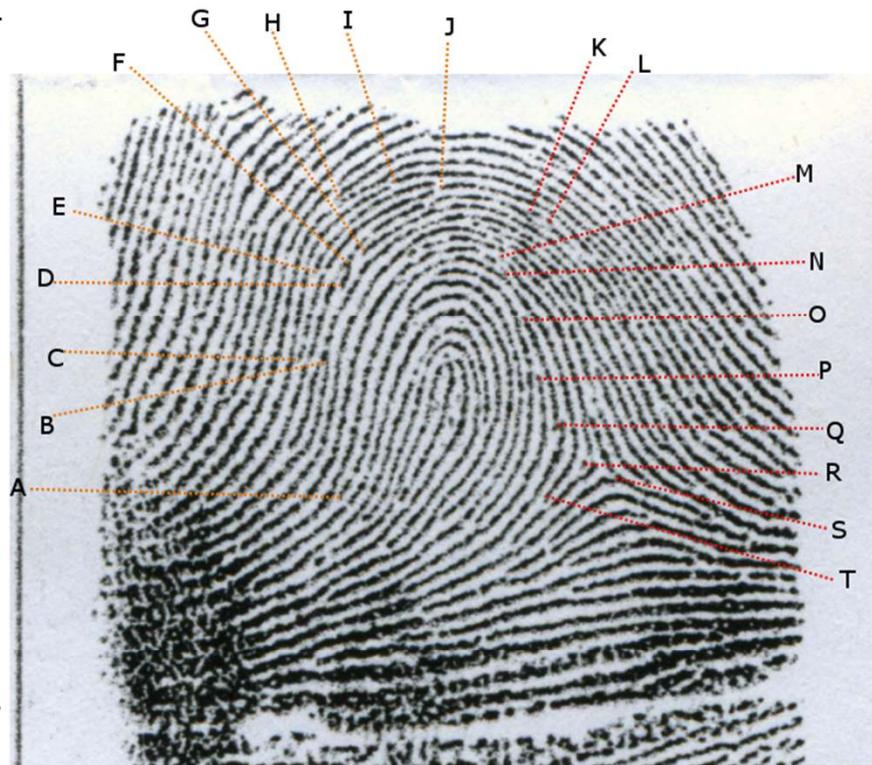
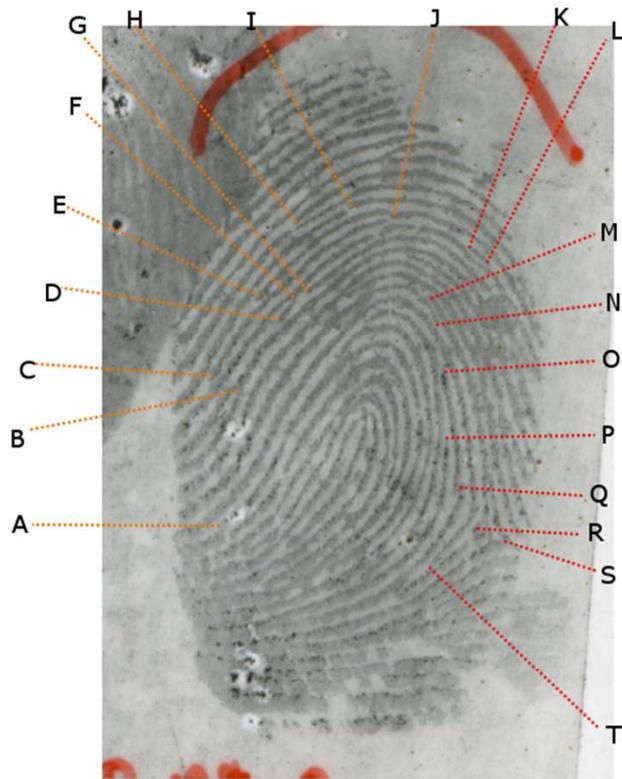


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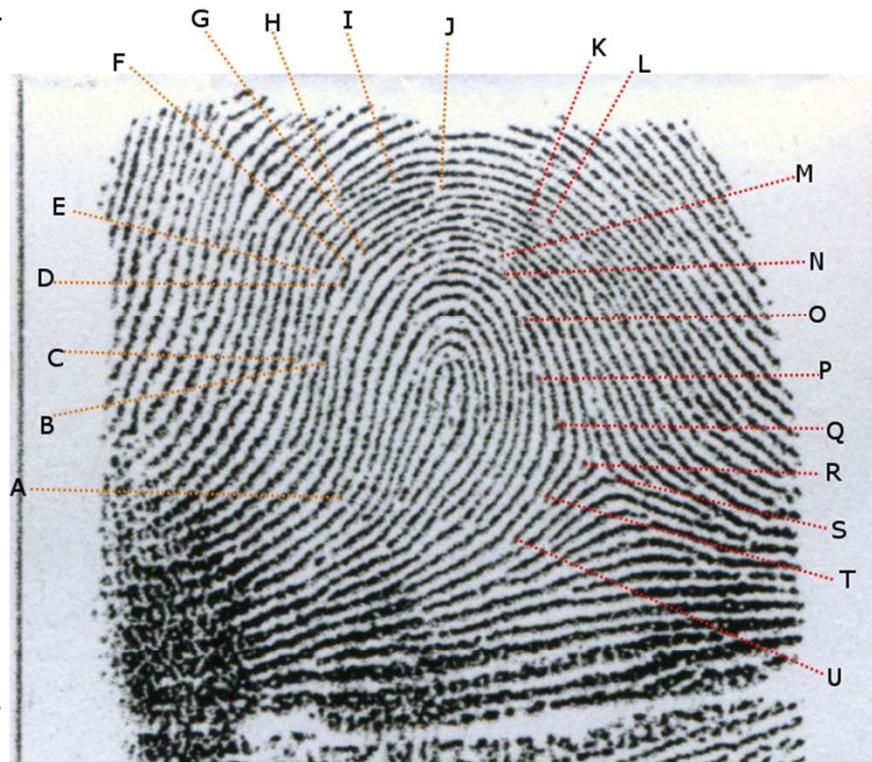
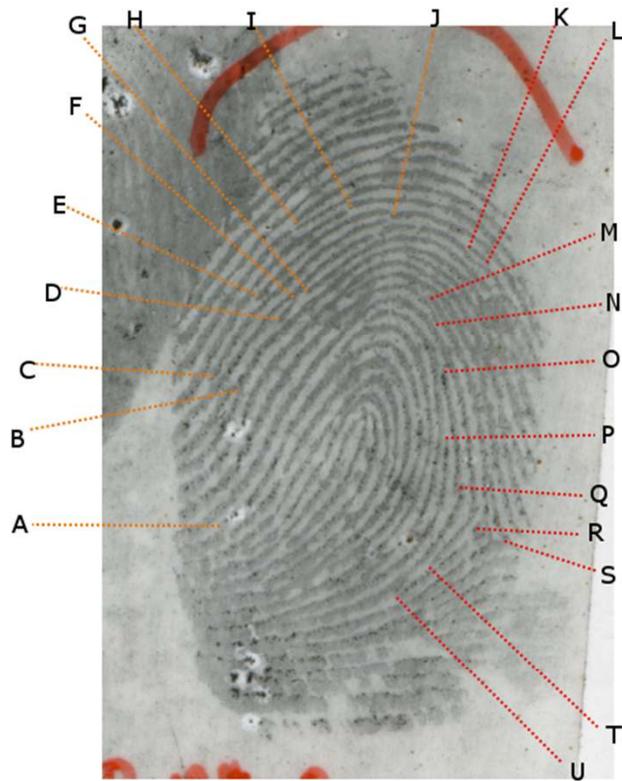


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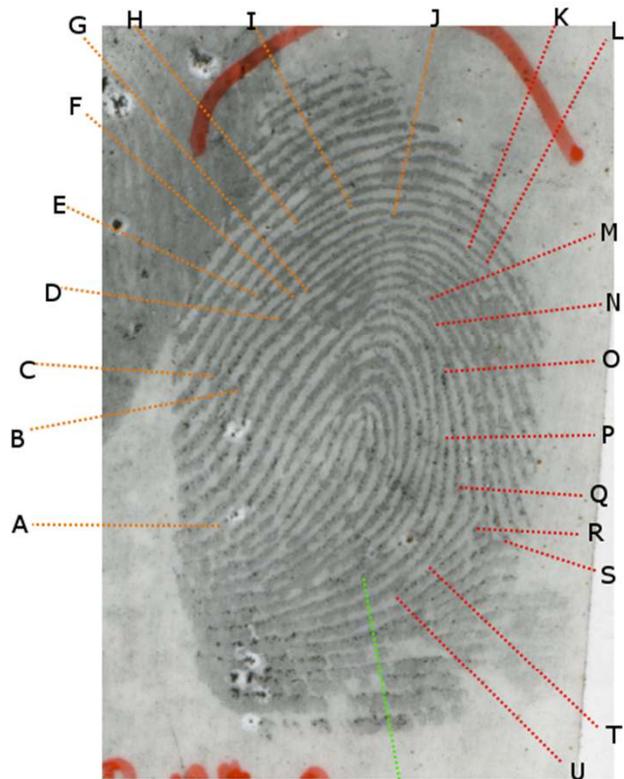


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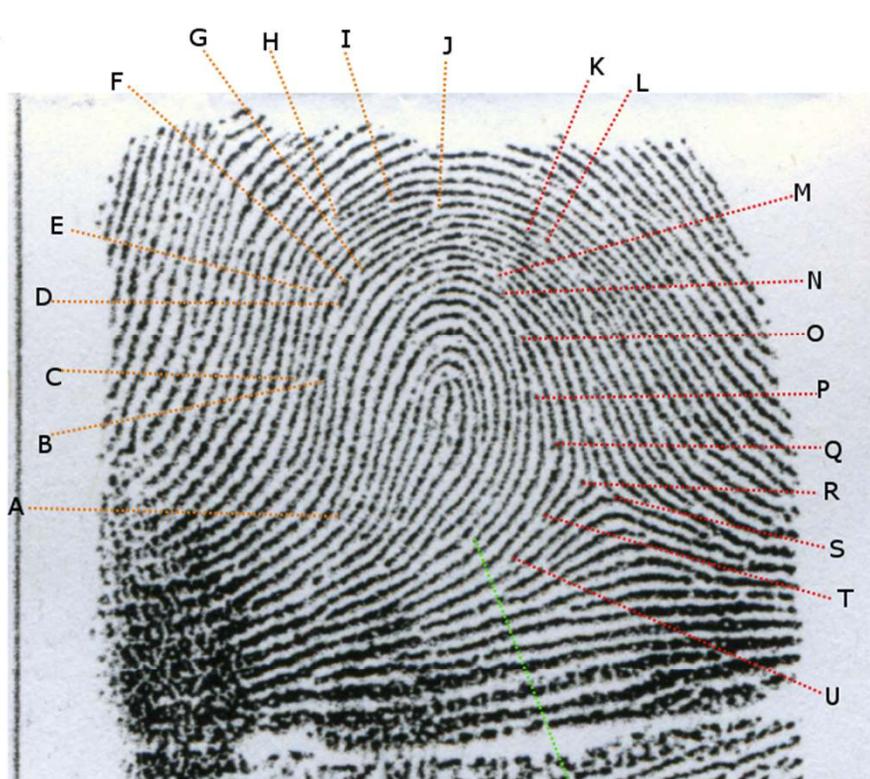
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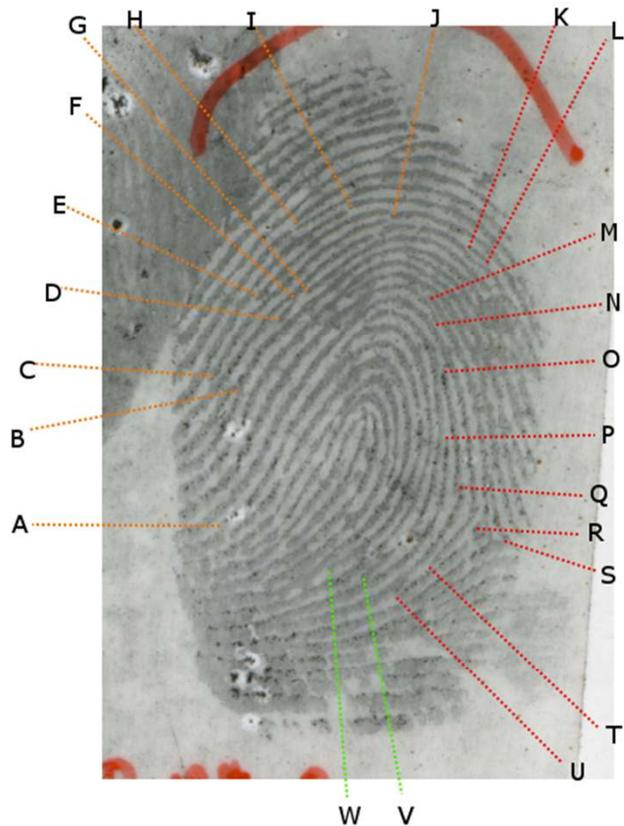
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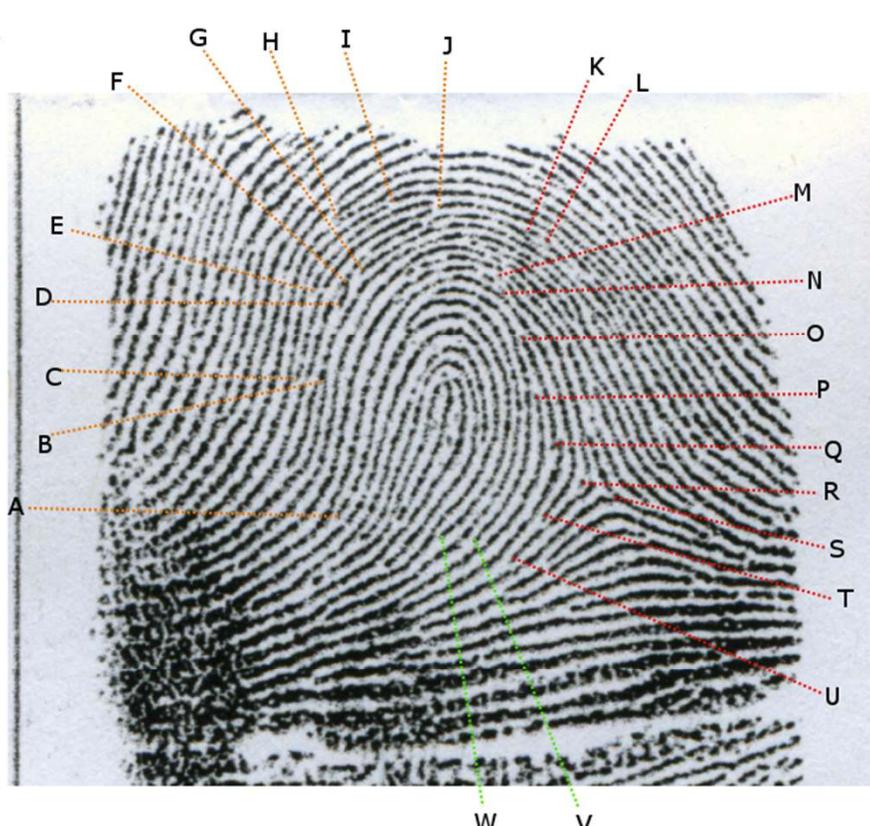
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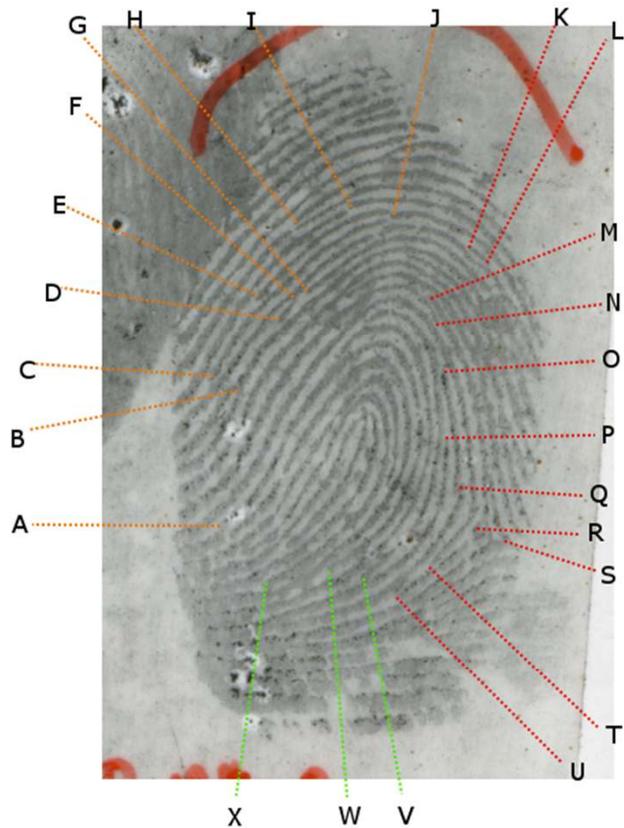
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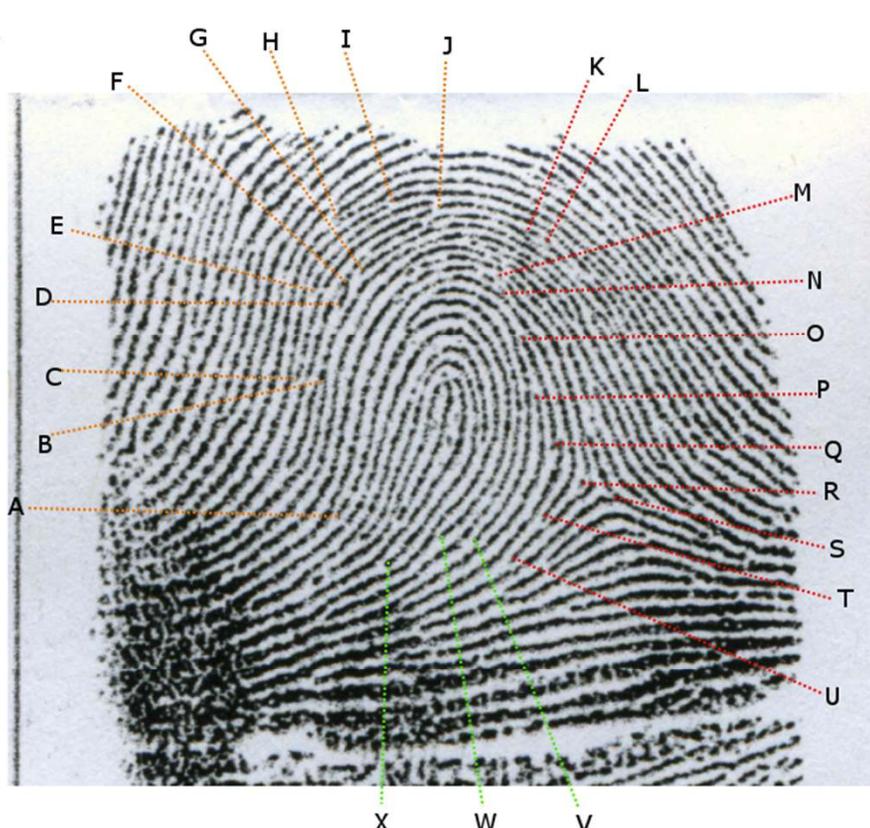
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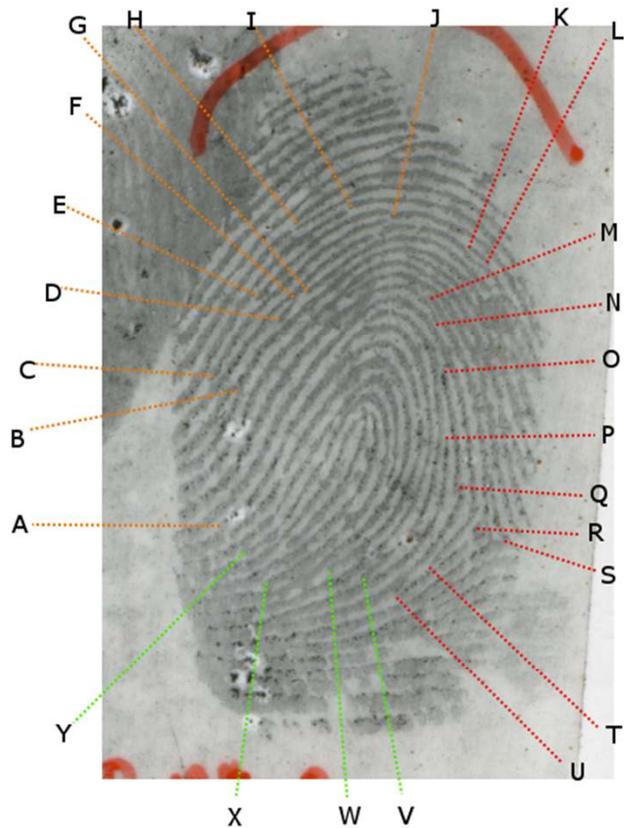
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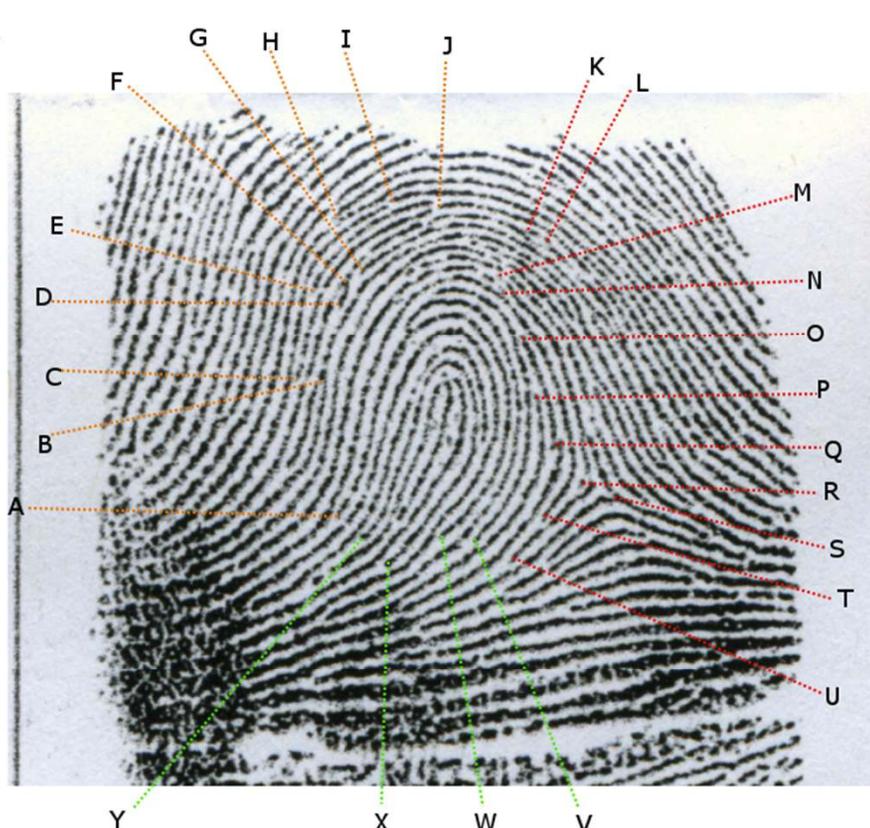
Hoff #8 Finger

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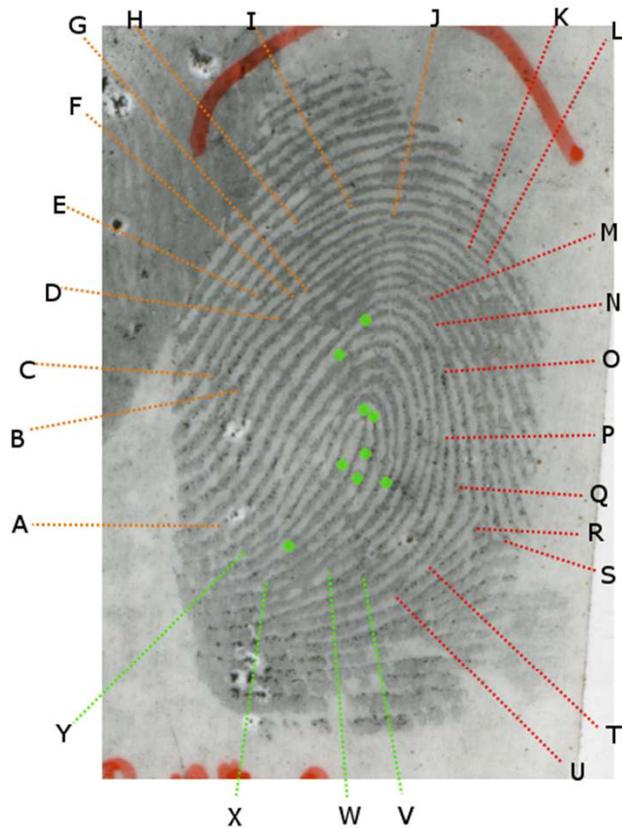
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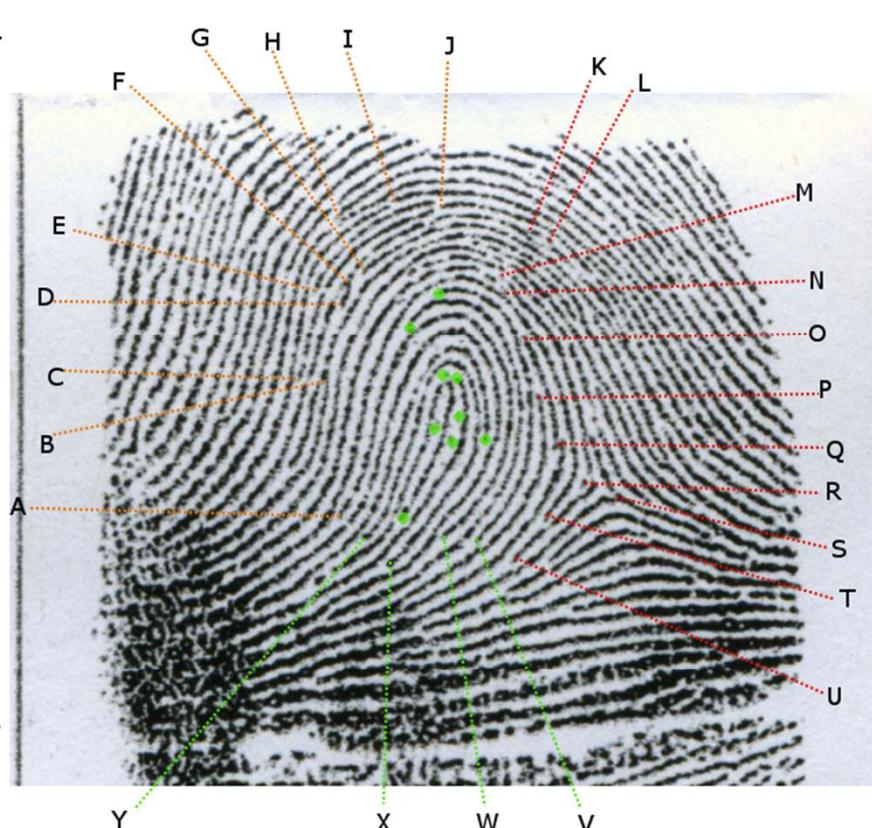
Hoff #8 Finger

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Unknown Finger



Hoff #8 Finger

Person County Sheriff's Office OCA #1001433



tested, can defense attorneys have it tested and any prints entered in these databases?

The short answer is yes. You can hire an expert to examine the evidence for the presence of prints?

The complex answer is, How helpful will this be?

- Should you take possession of certain piece or evidence or make arrangements for the to be turned over?
- For normal items with limited evidentiary value, Should I have it processed or should I turn it over for law enforcement?
- Should I have my own expert review law enforcement findings after examinations?

How do I have prints run in the Database?

- Probably, you we have to request this through discovery or law enforcement request.

Error

There is a small amount of error.

[W]hen decisions were verified by an independent reviewer, examiners had a 0% false positive, or incorrect identification, rate and a 3% false negative, or missed identification, rate. (*Miami-Dade Research Study for the Reliability of the ACE-V Process: Accuracy & Precision in Latent Fingerprint Examinations*. Office of Justice Programs)

There is error, but it is so small so as to be discriminated.

- The odds of error mainly lie in inexperienced examiners or lack of ACE-V protocol (appropriate methodology).

Types of Databases

Local

- Single or joint department maintained
- Various proprietary devices – NIST compliant

State – SAFIS

- CJIS point of contact

Federal – NGI / IAFIS

- Universal Latent Workstation
- 

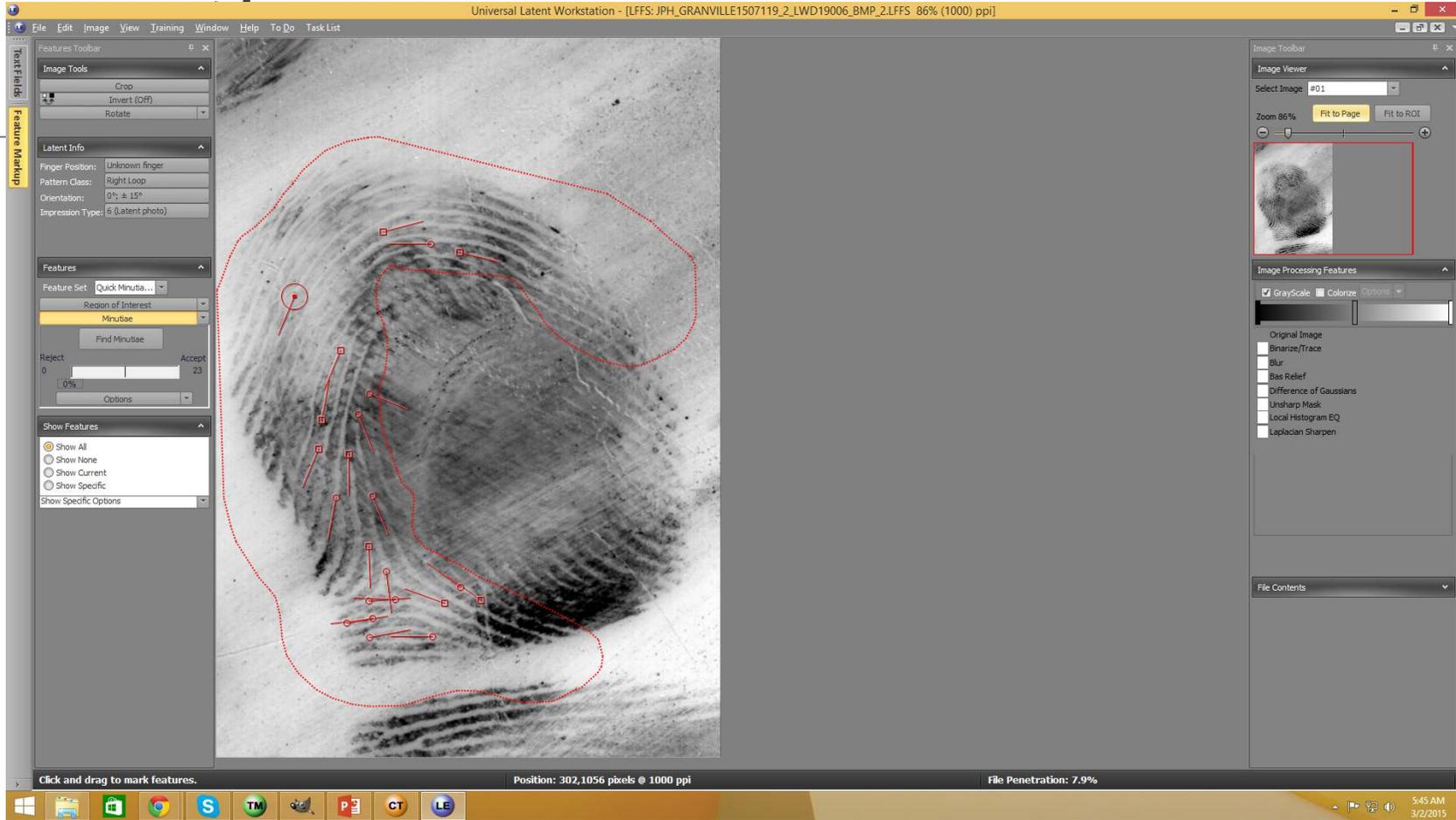
Universal Latent Workstation

The screenshot displays the Transaction Manager application window. At the top, the title bar reads "Transaction Manager" and the user is logged in as "AFIS". The main interface is divided into several sections:

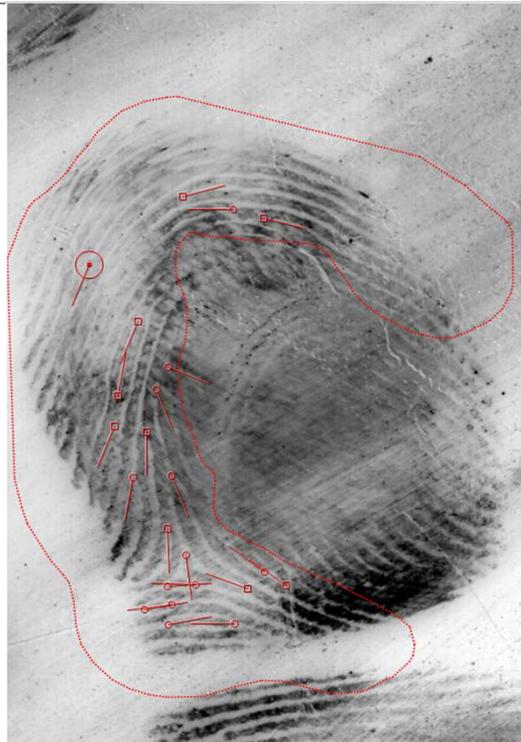
- Navigation Bar:** Includes "Getting Started", "Home", "Preferences", and "Admin" tabs. A secondary bar contains buttons for "Create Case", "Import Image", "Open/Import EBTS File", "Create Image Request (IRQ)", "Check Response", "Task History", "UULD", "Print", "View", and "Refresh".
- User Data Grid:** A table with columns for "Case ID", "Archived", "Prefix", "Ext (CID)", "Latent#", "Search", "Edited", "Submitted", "In ULF", "SRL", "IRQ", "IRR", "ULM", "ERRL", "Notes", "TCN", "Date Modified", "Date Created", "Date Submitted", "Date Responded", and "Date Compared". The grid lists several cases, including "Case ID: 20100448", "Case ID: 20140915", "Case ID: 20141639", "Case ID: BUTNER20150101023", "Case ID: BUTNER20150113", "Case ID: CASWELL201005085", and "Case ID: CHPD1123700".
- Case Preview:** A detailed view of a selected case, showing:
 - Transaction Information:** Fields for Case Prefix, Case ID, and Case Extension.
 - Actions to Current Case:** A list of actions such as "Edit Search in ULW-LE", "Submit Search", "Clone Latent Feature Search (LFFS)", "Clone Latent Image Search (LFIS)", "Add to Unsolved Latent File (ULF)", "Delete from Unsolved Latent File (ULF)", "Create Latent Feature Search(s) (LFFS) from Image File", "Create Latent Feature Search(s) (LFFS) from Image Folder", "Create Image Request (IRQ) from Search", "Manually Add Response to Case", "Open Transaction Folder", "Add User To Case", and "Delete Transaction".
 - Transaction File Content:** Fields for Transaction Control Number (TCN), Submission Confirmed, Add to ULF Requested, Add to ULF Confirmed, Delete from ULF Requested, Delete from ULF Confirmed, Unsolicited Delete from ULF Received, and Transaction Summary.

The bottom of the window shows a taskbar with various application icons and a system tray displaying the time "5:31 AM" and date "3/2/2015".

Entering Latent Evidence



Minutia



Examining a potential AFIS hit

ULW Comparison Tool - [C:\Users\AFIS\Google Drive\Forensic Case Reports\Granville County Sheriff's Office\GCSD 1507119\JPH_GRANVILLE1507119_2_LWD19006_bmp_2_COMP]

File Edit View Options Task List Help

File: JPH_GRANVILLE1507119_2_LWD19006_bmp_2_COMP (Res: 1000 ppi) (Zoom: 70%) (Pos: 111,983)

Undetermined About Image:

File: JPH_GRANVILLE1507119_2_LWD19006_bmp_2_COMP (Res: 500 ppi) (Zoom: 140%) (Pos: 237,513)

Undetermined About Image:

Image Browser

Image?	LOI	Score	Rank	Finger #	Value	Determination	File
▶	8	16309	1	5	None	Indeterminate	JPH_GRANVILLE1507119_2_LWD19006_bmp_2_COMP

Determination

Exclusion

ID

? None

Complex Decision

Comment

IRQ IRQ+

Mode: Mark Points

5:50 AM 3/2/2015

Questions?

