



Fingerprint Processing Bureau

Henry Classification vs AFIS

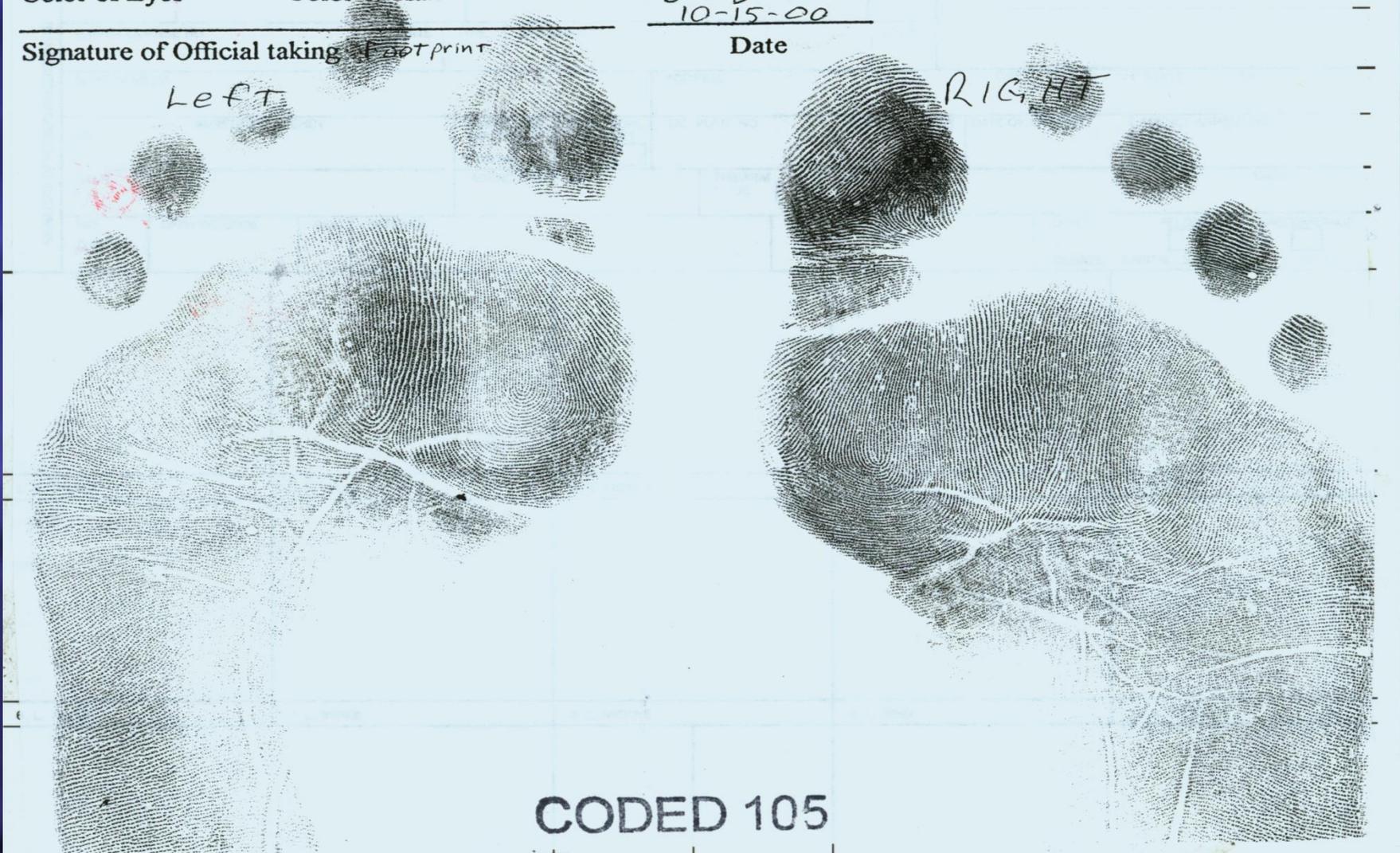
- What is classification?
- SID Numbers
- AFIS



Footprints

Signature of Official taking Footprint _____ Date 10-15-00

Left *RIGHT*

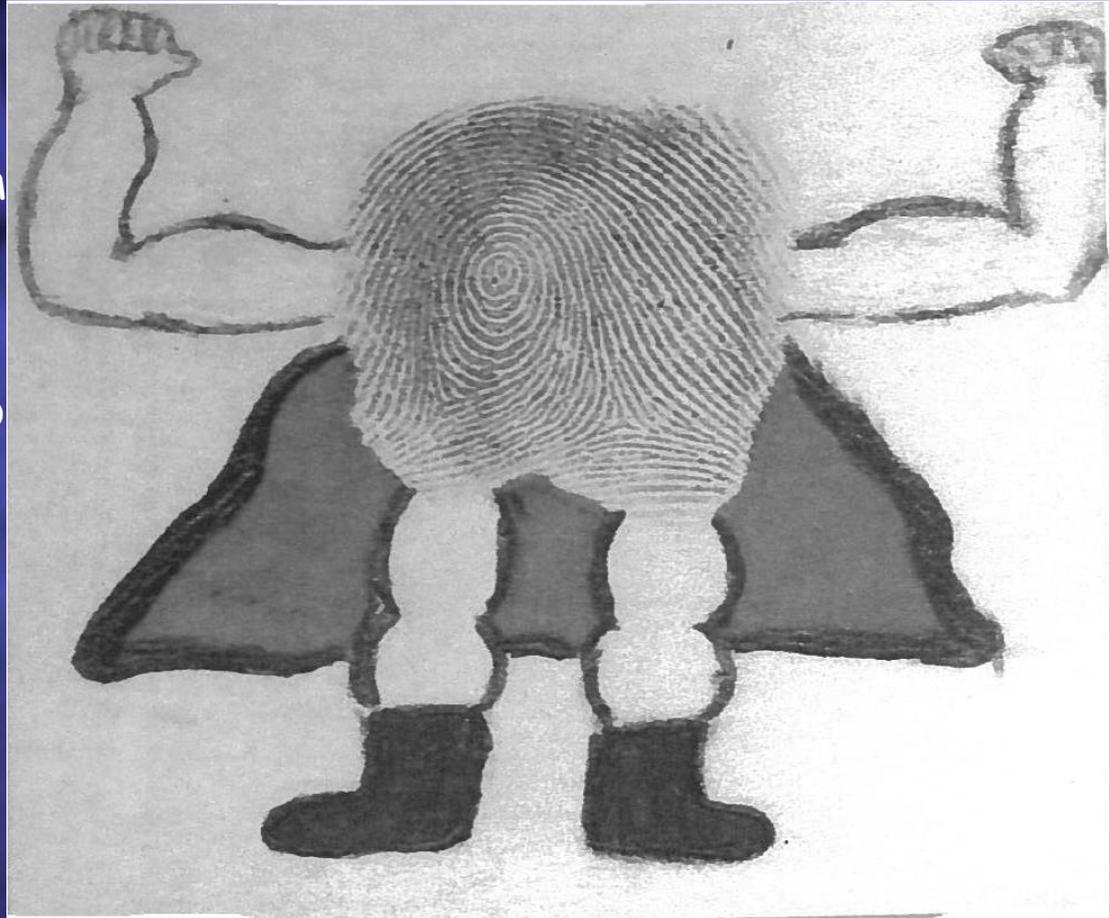


CODED 105

This card has no images available

SIGN	TRS	OFFENSE CODE	GOC	OFFENSE	STATUTE CITATION	LEVEL & DEGREE	FELONY	MISDEMEANOR	
	A001	B56020008		Possession of marijuana			<input type="checkbox"/>	<input type="checkbox"/>	
No finger No Toe		No finger No Toe		No finger No Toe		No finger No Toe		No finger No Toe	
No Hands, No feet		No Hands, No feet		No Hands, No feet		No Hands, No feet		No hands, No feet	
R. THUMB	S	2. R. INDEX	S	3. R. MIDDLE	S	4. R. RING	S	5. R. LITTLE	S
No finger No Toe		No finger No Toe		No finger No Toe		No finger No Toe		No finger No Toe	
No Hands, No feet		No Hands, No feet		No Hands, No feet		No Hands, No feet		No Hands, No feet	
L. THUMB	S	7. L. INDEX	S	8. L. MIDDLE	S	9. L. RING	S	10. L. LITTLE	S
No Hands, No Feet		No Hands, No Feet		No Hands, No feet		No Hands, No feet		No Hands, No feet	
No fingers No Toes		No fingers No Toes		No fingers No Toe		No fingers No Toes		No fingers No Toes	
LEFT FOUR FINGERS TAKEN SIMULTANEOUSLY		L. THUMB		R. THUMB		RIGHT FOUR FINGERS TAKEN SIMULTANEOUSLY			

Ink VS Livescan



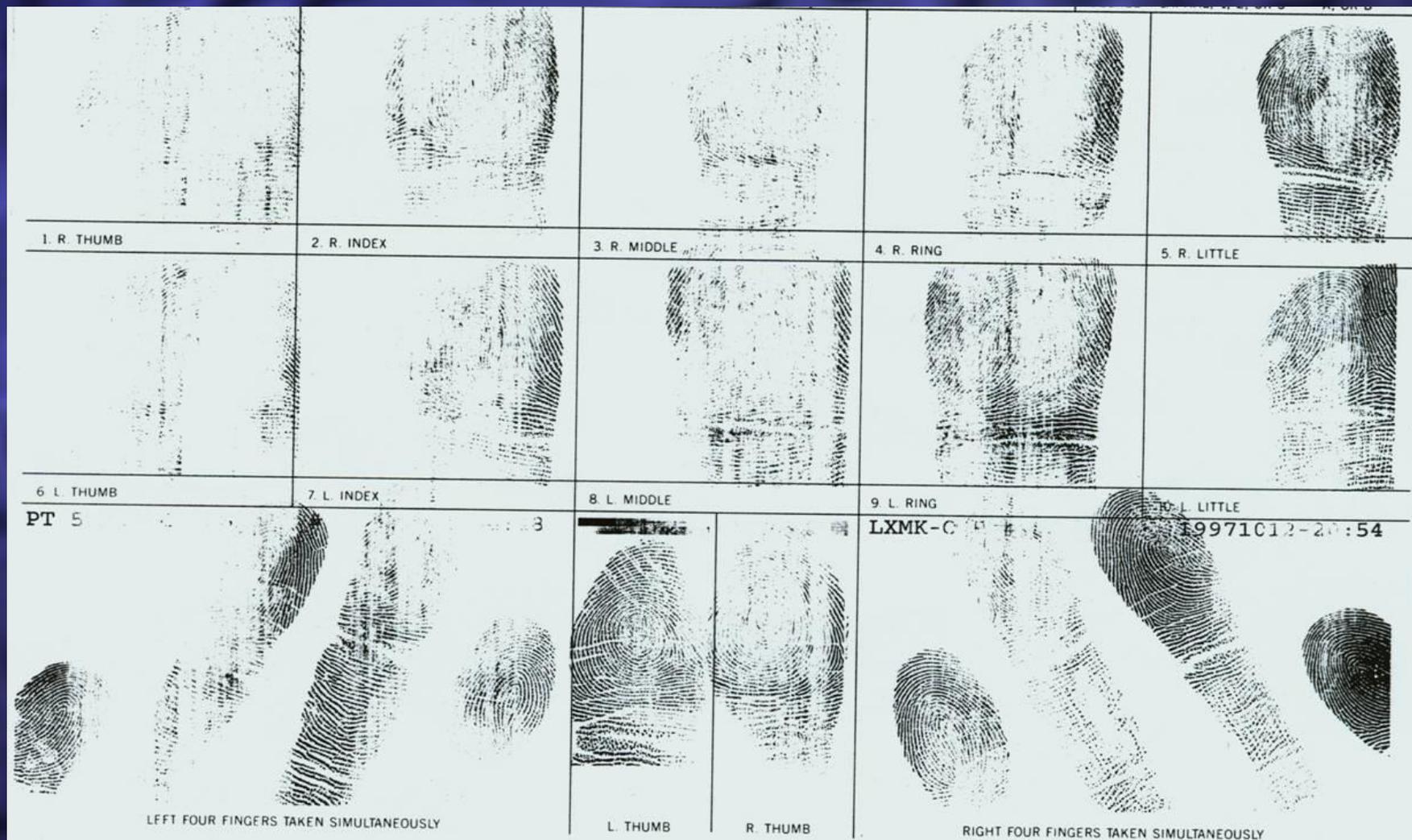
- Popular Medium

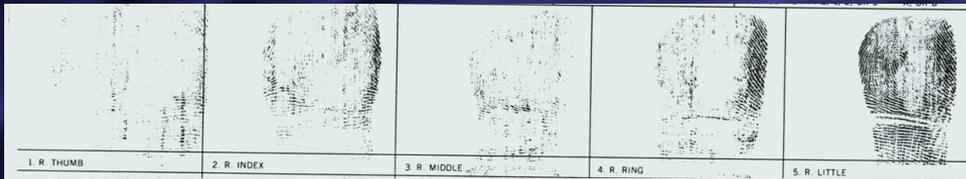
- Takes longer to get response

- Speed/Accurate

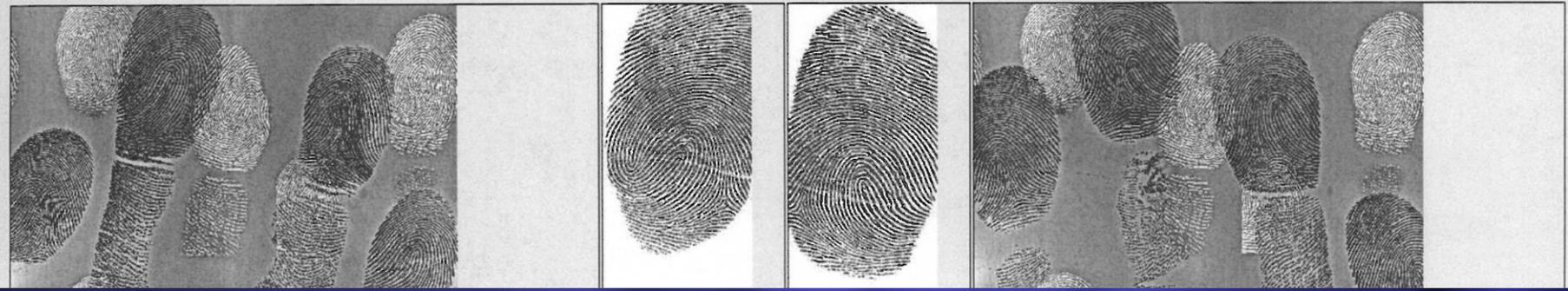
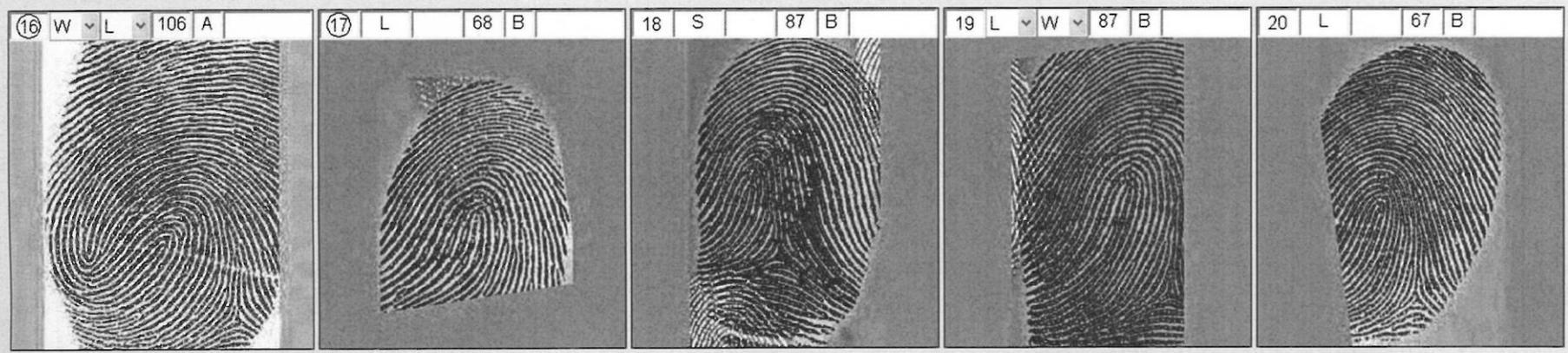
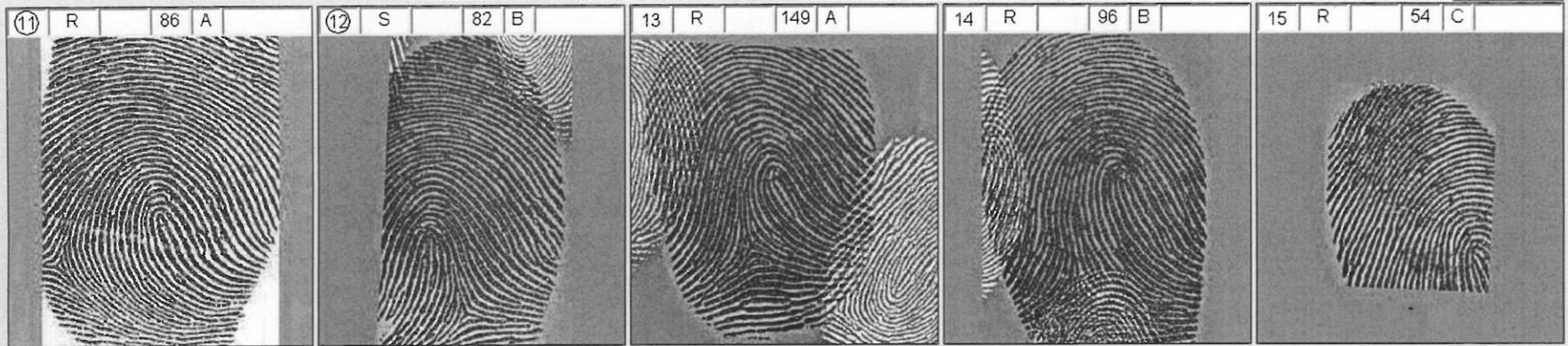
- Quicker response time

Livescan Issues





1. R. THUMB 2. R. INDEX 3. R. MIDDLE 4. R. RING 5. R. LITTLE



6
PT

Getting Started

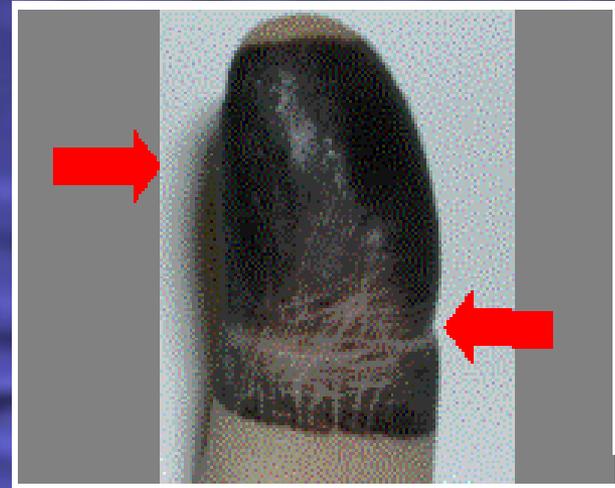
- Black printer's ink
- Two surfaces
- Thin film of ink
- Examine the fingers
- Positioning



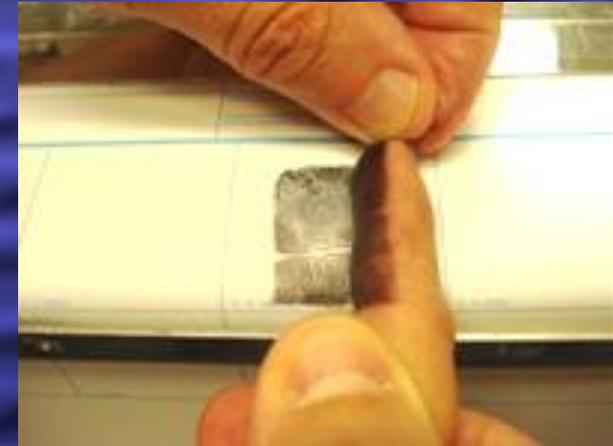
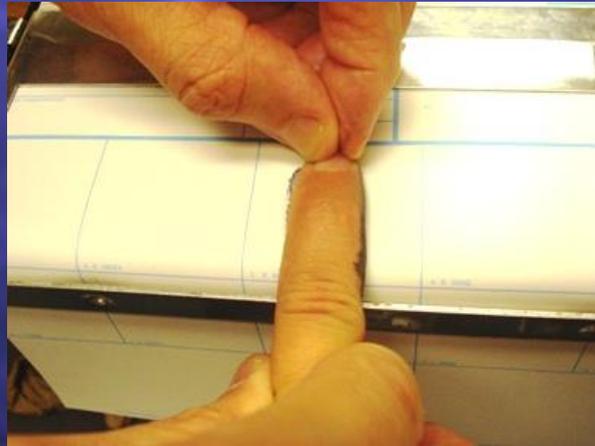
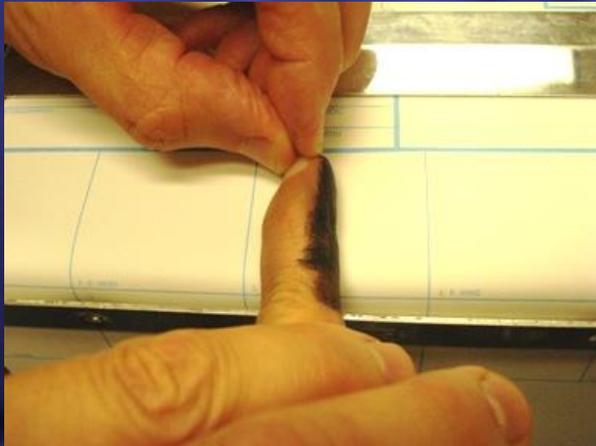
Now we're ready to roll

- Ink from tip to base line
- One finger at a time
- One print per block
- Nail to Nail
- Pressure
- Sequence
- Switched Records/Switched Prints
- Re-Tab

Tip of
finger



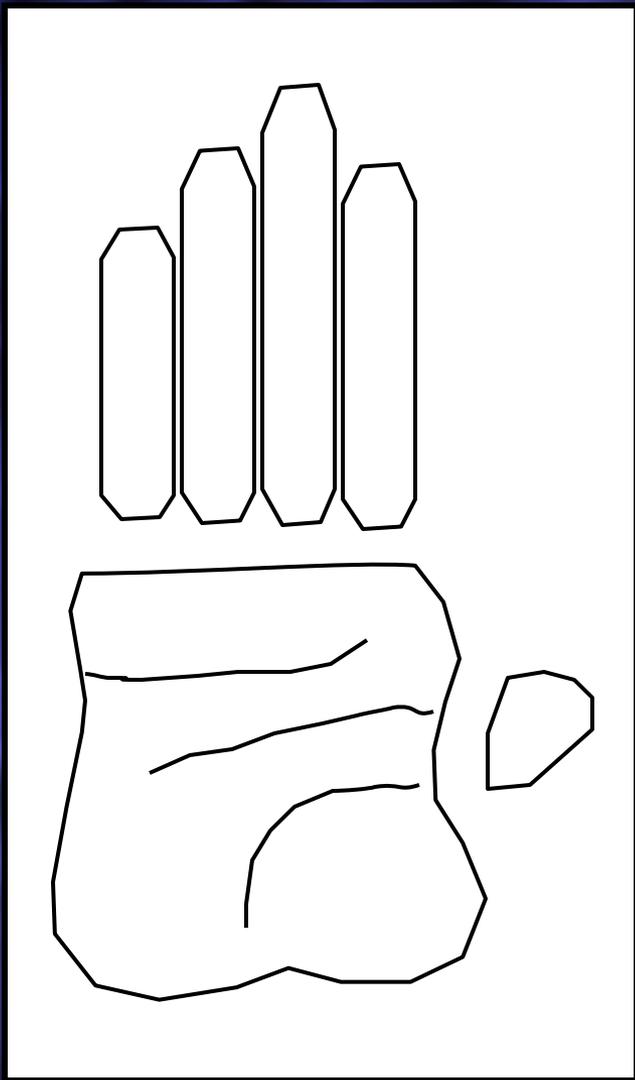
End of
first
joint



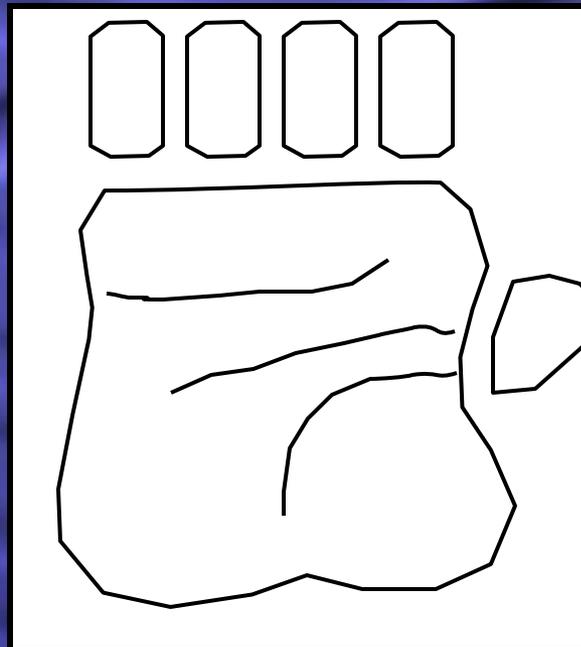
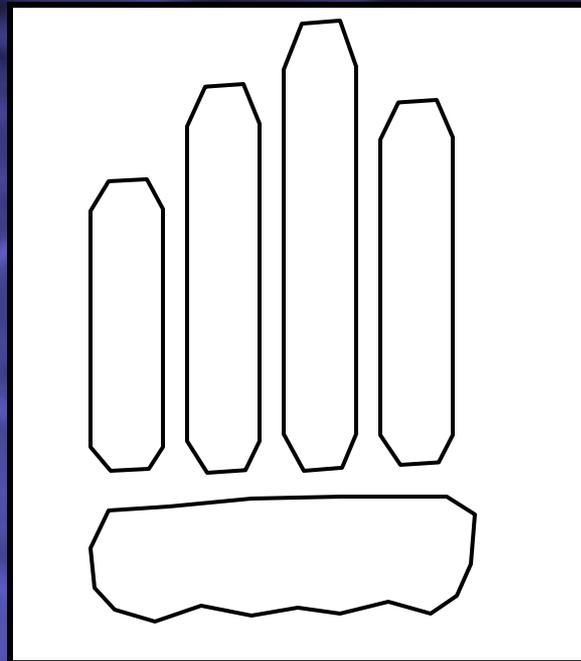
And now for the flats

- Take simultaneously
- Sequence
- 90° vs 45°
- 3 and 1 method





Full Palm

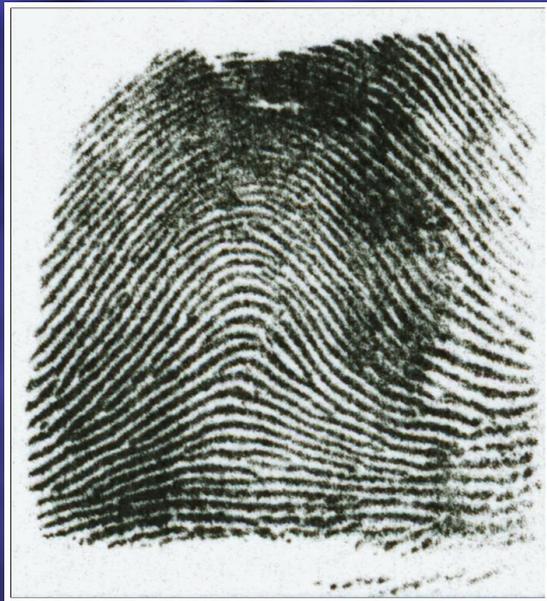


Split Palm

Upper and Lower Palm

Pattern Types

Arch

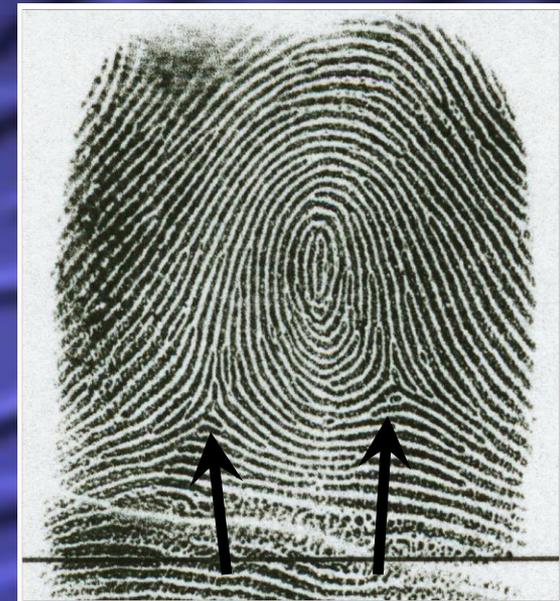


CENTER
OF LOOP

Loop



Whorl



DELTA

DELTA

THE LINES AND THE WHITE SPACES BETWEEN THEM MUST BE CLEAR SO THE INDIVIDUAL CHARACTERISTICS ARE READILY VISIBLE



Fingerprinting Issues

Skin Conditions

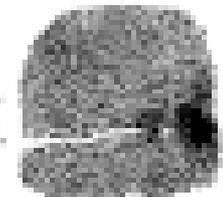
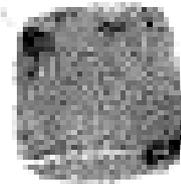
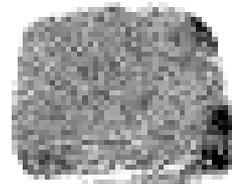
- Disease
- Occupational
- Ink Absorption
- Solutions

Permanent Injuries

- Tip Amputations
- Complete Amputations
- Sequence
- Notations on the card

AMP

AMP



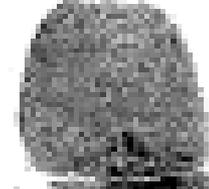
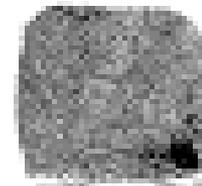
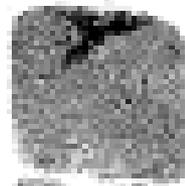
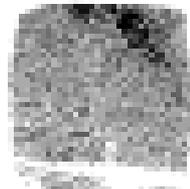
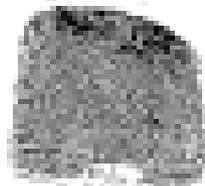
S. S. 1970/1

S. S. 1970/2

S. S. 1970/3

S. S. 1970/4

S. S. 1970/5



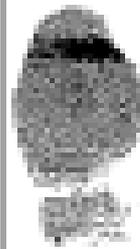
S. S. 1970/6

S. S. 1970/7

S. S. 1970/8

S. S. 1970/9

S. S. 1970/10

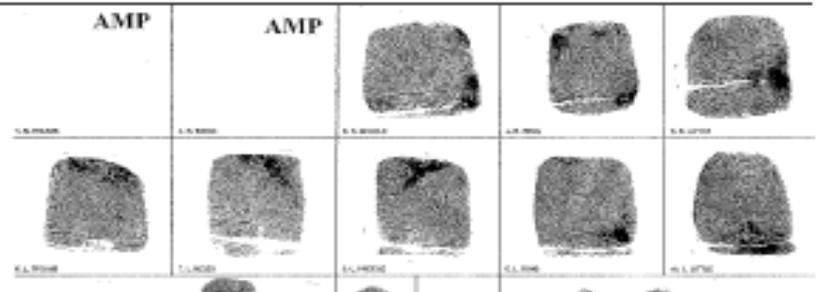


AMP (MAGNIFIED) FROM S. S. 1970/1-10

S. S. 1970/11

S. S. 1970/12

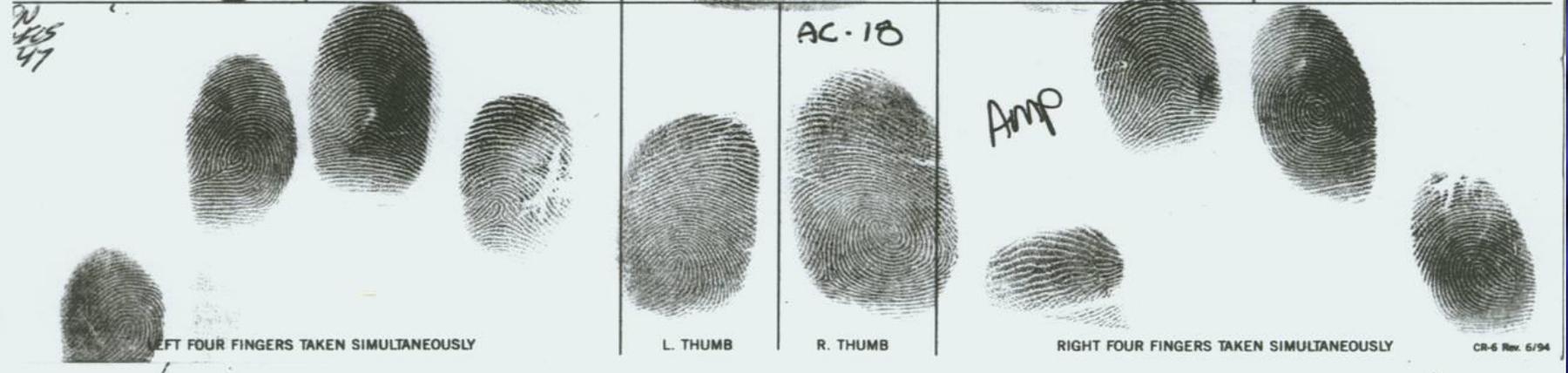
AMP (MAGNIFIED) FROM S. S. 1970/11-12

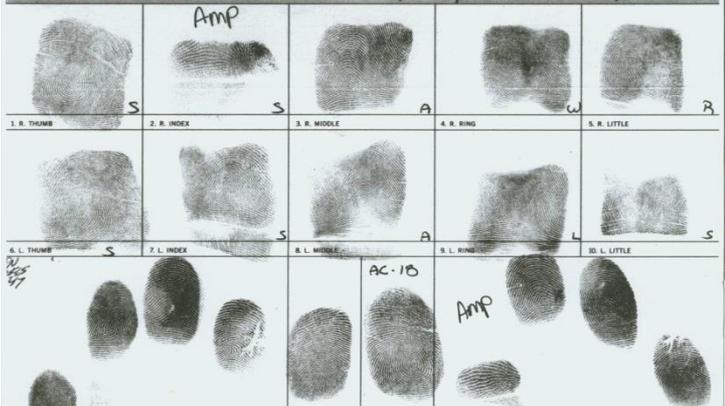
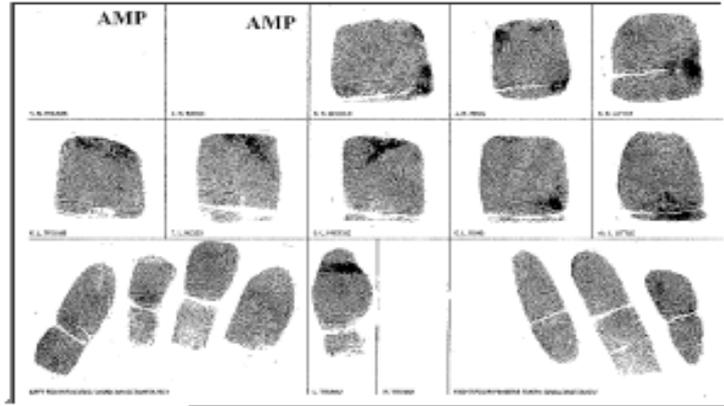


1. R. THUMB 2. R. INDEX 3. R. MIDDLE 4. R. RING 5. R. LITTLE



6. L. THUMB 7. L. INDEX 8. L. MIDDLE 9. L. RING 10. L. LITTLE





1. NAME: _____
 2. DATE: _____
 3. TIME: _____
 4. LOCATION: _____

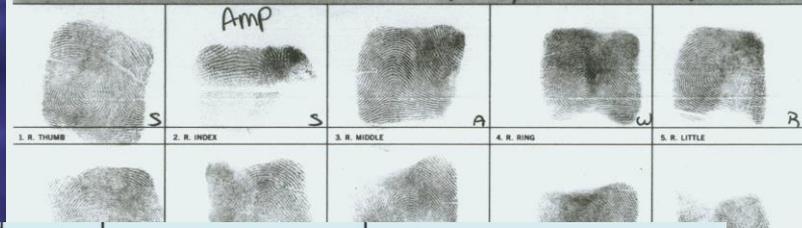
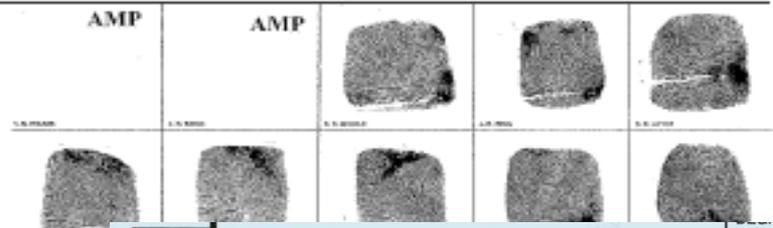
RIGHT HAND IN CAST



RIGHT HAND IN CAST



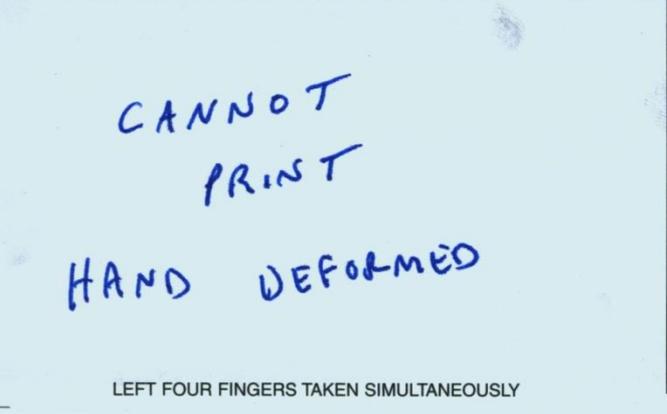
1. NAME: _____



1. R. THUMB 2. R. INDEX 3. R. MIDDLE 4. R. RING 5. R. LITTLE



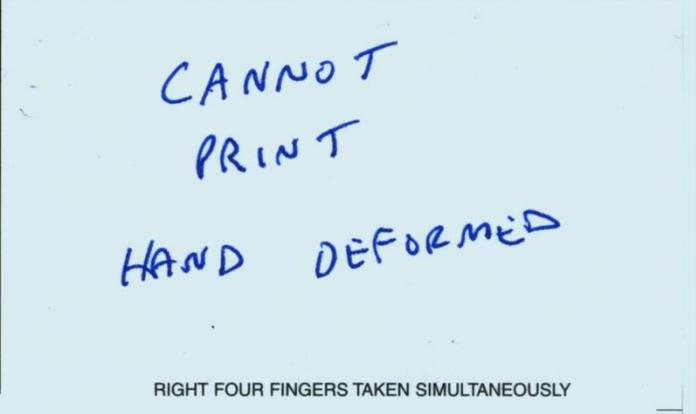
6. L. THUMB 7. L. INDEX 8. L. MIDDLE 9. L. RING 10. L. LITTLE



LEFT FOUR FINGERS TAKEN SIMULTANEOUSLY



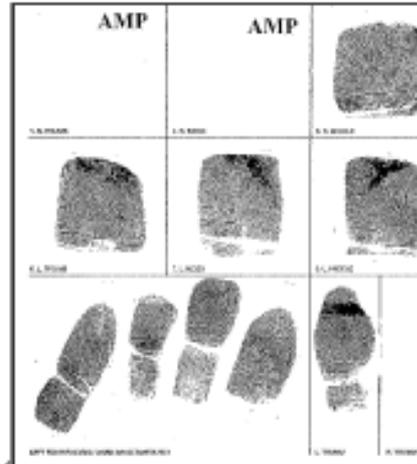
L. THUMB R. THUMB



RIGHT FOUR FINGERS TAKEN SIMULTANEOUSLY



RIGHT HAND
IN CAST



TEXAS DEPARTMENT OF PUBLIC SAFETY

5905 N. LAMAR BLVD • BOX 4087 • AUSTIN, TEXAS 78773-0001
512/424-2000

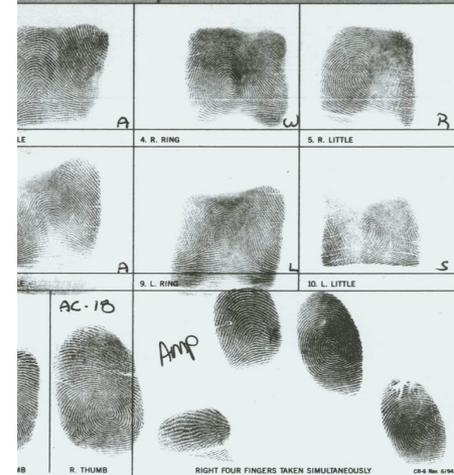
www.txdps.state.tx.us



STATE OF TEXAS
S. EMMETT WILCOX
DIRECTOR
LAMAR BRINKWORTH
HEAD FILE CLERK
DEPUTY DIRECTOR



COMMISSION
ALLAN E. POLUNSKY, CHAIR
C. TOM CLARKE, JR.
ADA BRINKWORTH
JULIE STEIN
KAREN KERRY RATH



To Whom It May Concern,

Fingerprints of: John Doe
DOB: 12-12-1913

After several attempts, these are the best set of fingerprints which could be obtained on this particular individual due to the severe deformity condition in the fingers and hands.

Please accept these sets of prints for your records.

Owen Deer
Fingerprint Technician
Crime Records
Texas Department of Public Safety



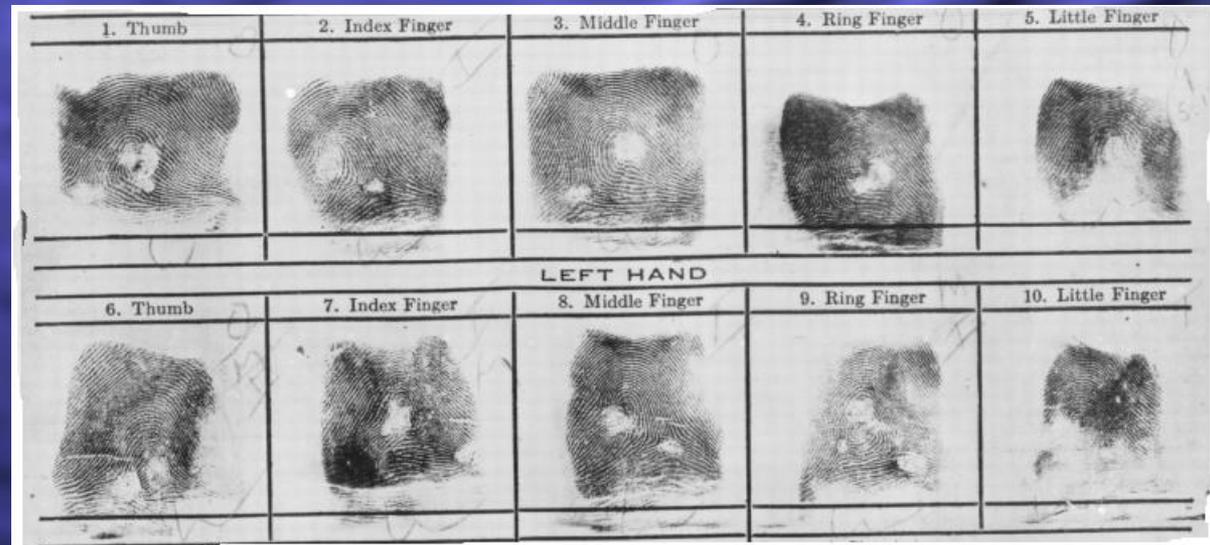
Scars

• Unintentional



• Intentional

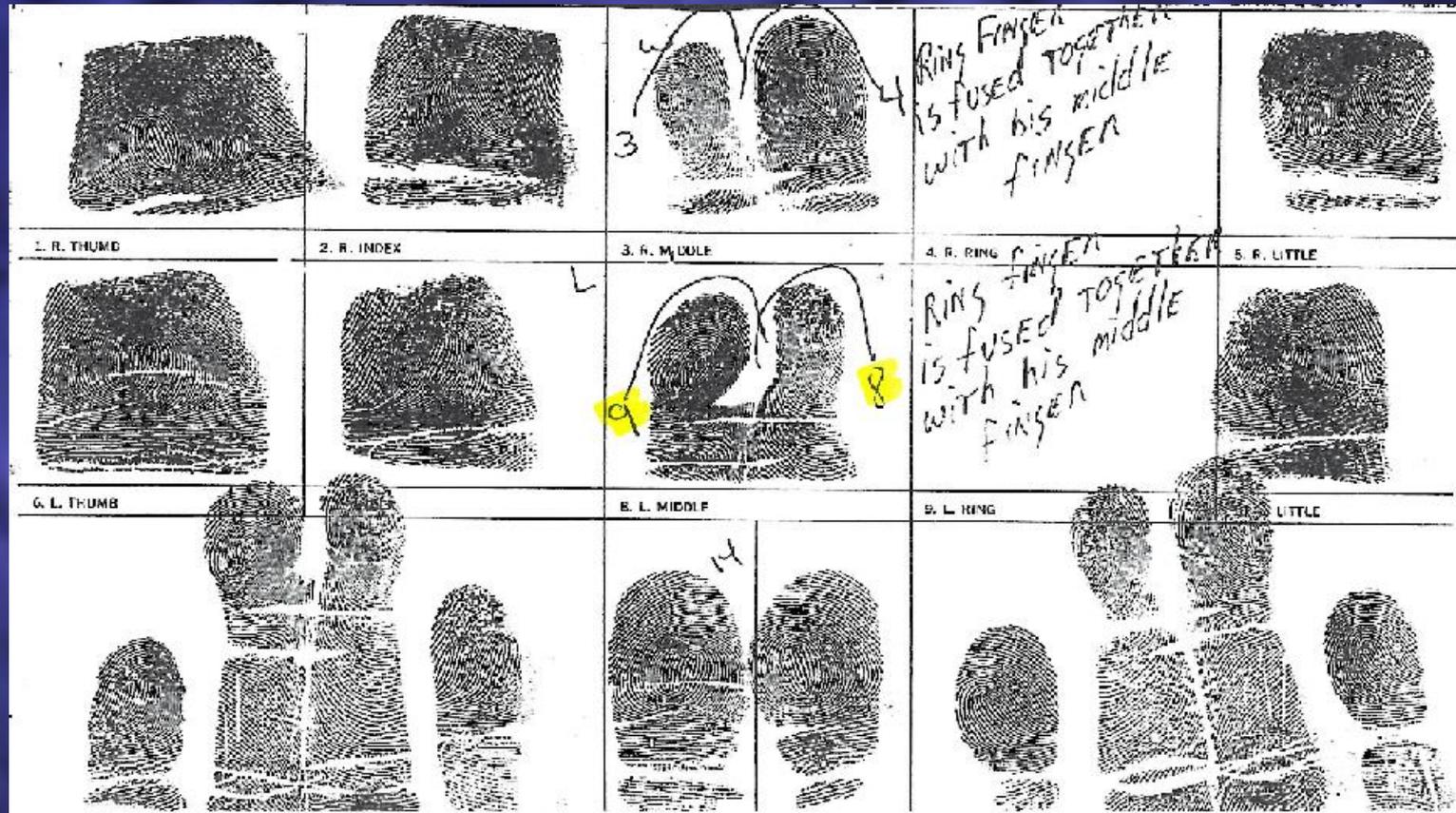
- Cutting
- Carving
- Sanding
- Burning
- Acids
- Surgery



Temporary Injuries

- Blisters/Warts
- Dry/Pitted
- Casts
- Cuts and Bandages
- Applicants

Birth Deformities



- MAB
- Webbed fingers

- Print w/notation
- No print w/notation

Other Fingerprinting Issues

- Arthritis
- Bent fingers
- Paralysis
- Palmar Hyperhidrosis
- Solutions



If unsure what to do...

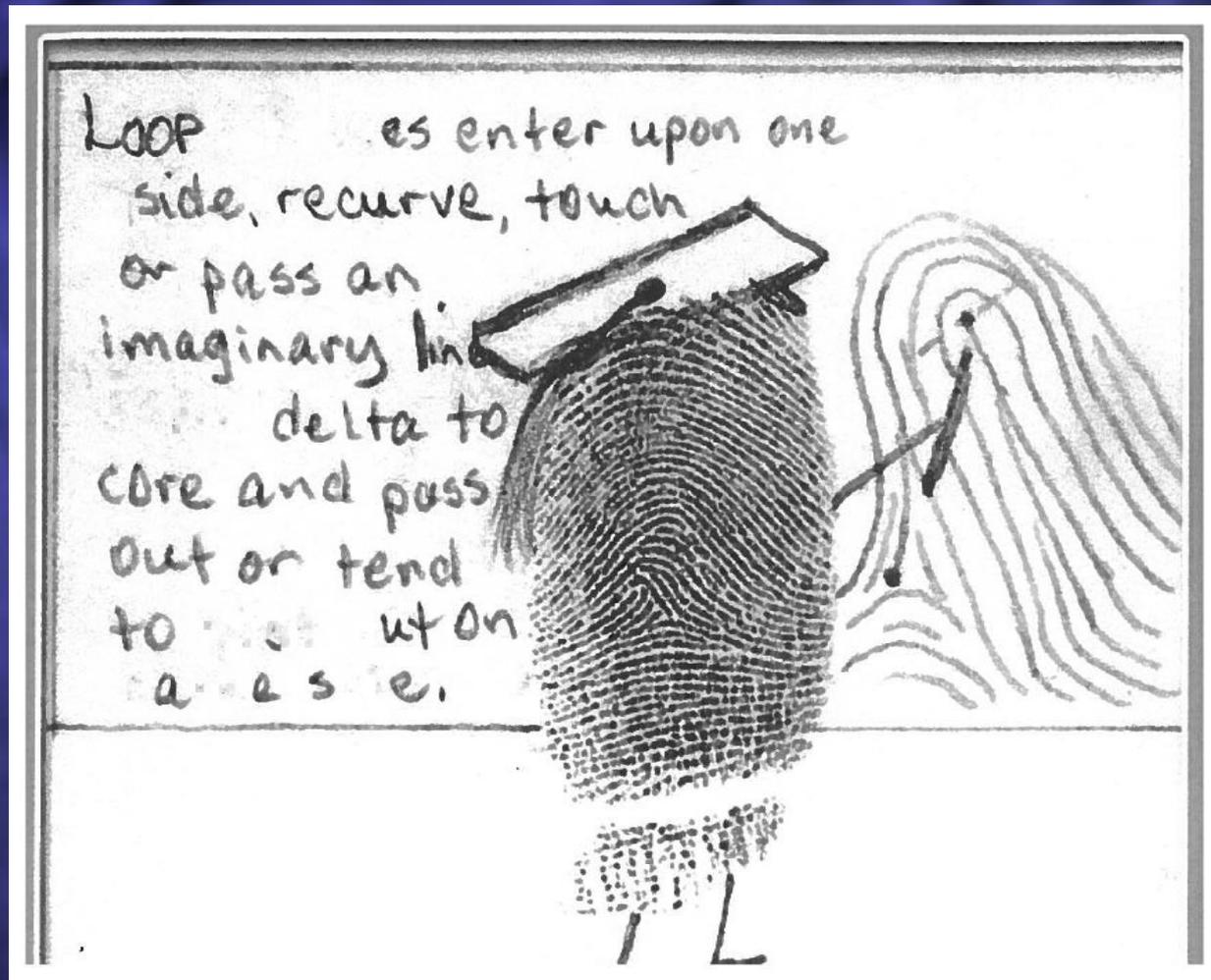
- Best judgment
- Palm prints

You may always call the
Fingerprint Section for any
additional help (24/7)

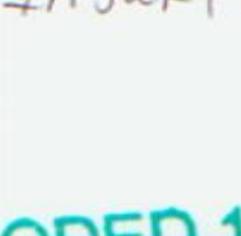
Phone 512-424-5248

Fax 512-424-5910

Now, let's see who's been paying attention...

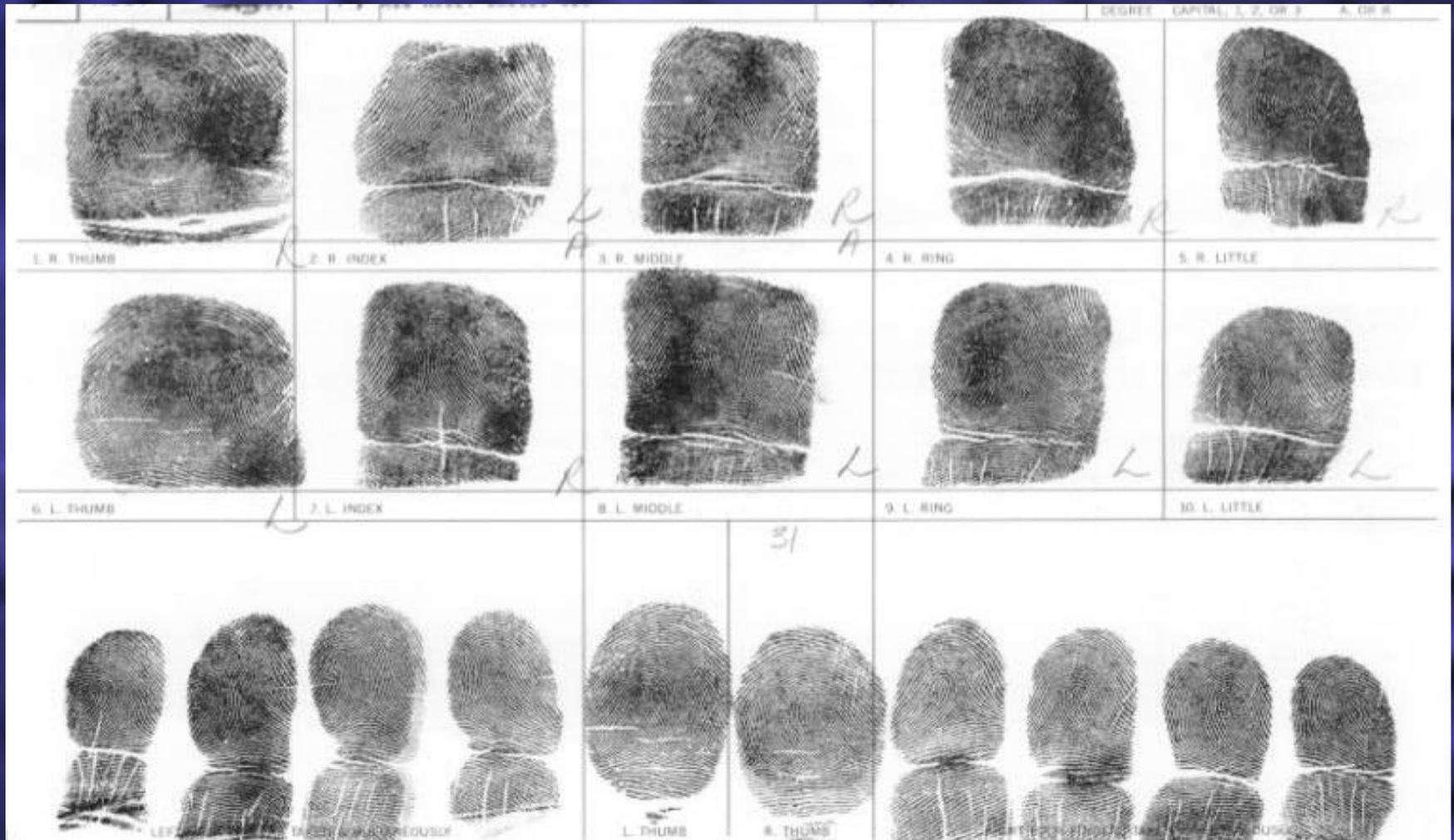


How about this one??

Name		DEGREE		CAPITAL, 1, 2, OR 3		A, OR B	
							
1. R. THUMB	2. R. INDEX	3. R. MIDDLE	4. R. RING	5. R. LITTLE			
Injury			Injury				
6. L. THUMB	7. L. INDEX	8. L. MIDDLE	9. L. RING	10. L. LITTLE			
Deformities see back of Card		Injury 27 4					
LEFT FOUR FINGERS TAKEN SIMULTANEOUSLY		L. THUMB	R. THUMB	RIGHT FOUR FINGERS TAKEN SIMULTANEOUSLY			

CODED 106

And this one?? Hint: Look at the flats!



This one should be pretty easy to spot!



What is the problem with all three of these prints?

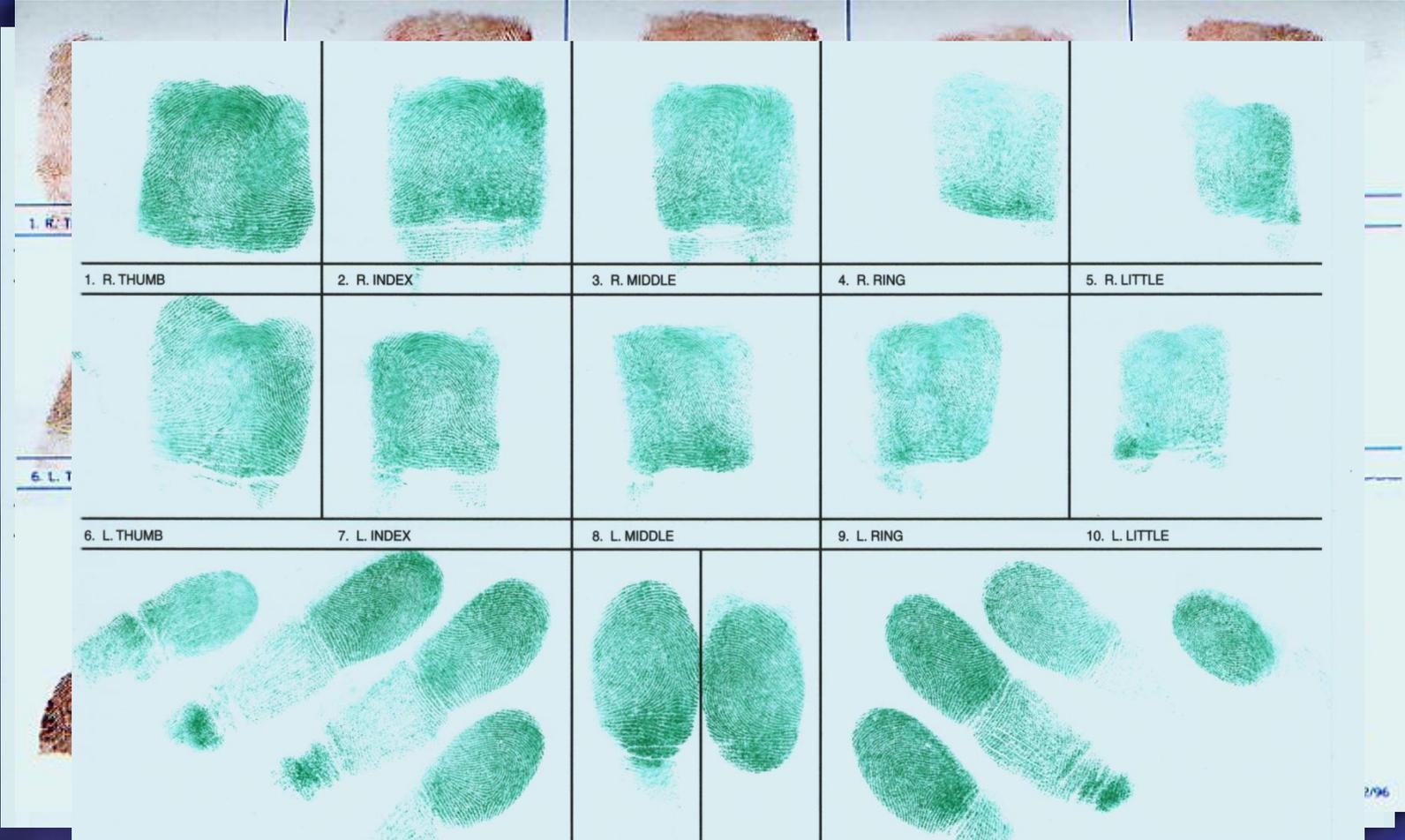


Roll nail to nail for complete pattern areas

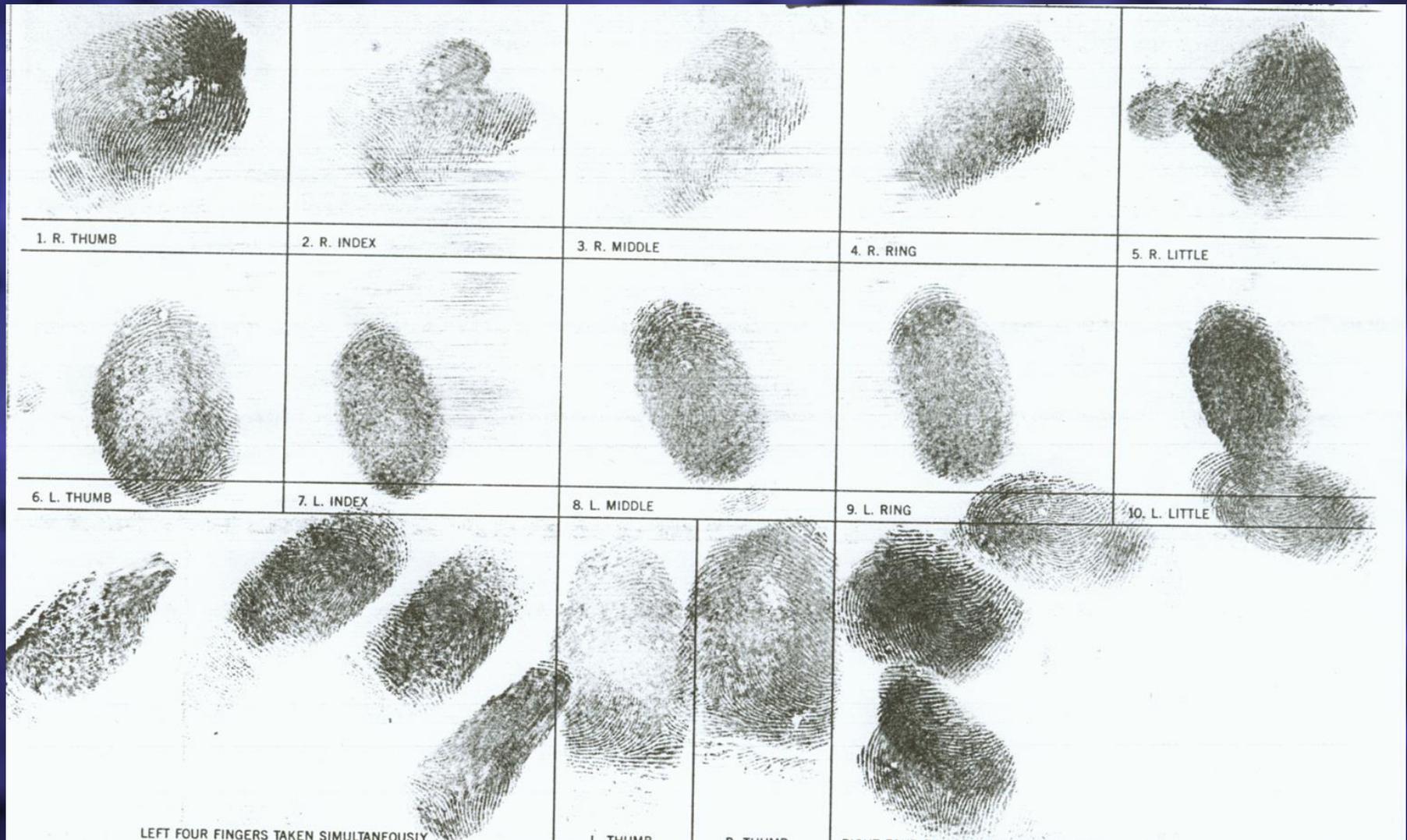


How will prints this light effect your submission results?





How many different things can be wrong with one card?!



But the winner is...



Not suitable for fingerprint impressions - Do Not Use



Writing Ink



Stamp Pad Ink



Paint



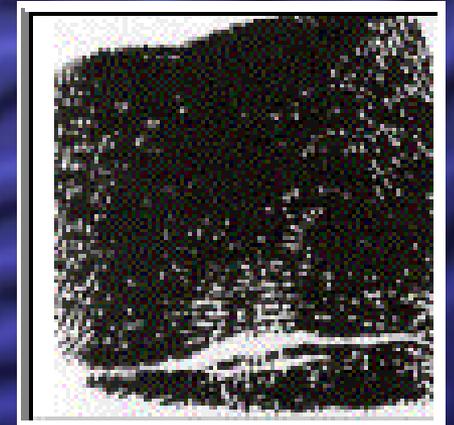
Copier Toner

The Good, The Bad, The Ugly, and the Please Don't...

- Latent Hits
- 10 Print Hits
- Database Integrity

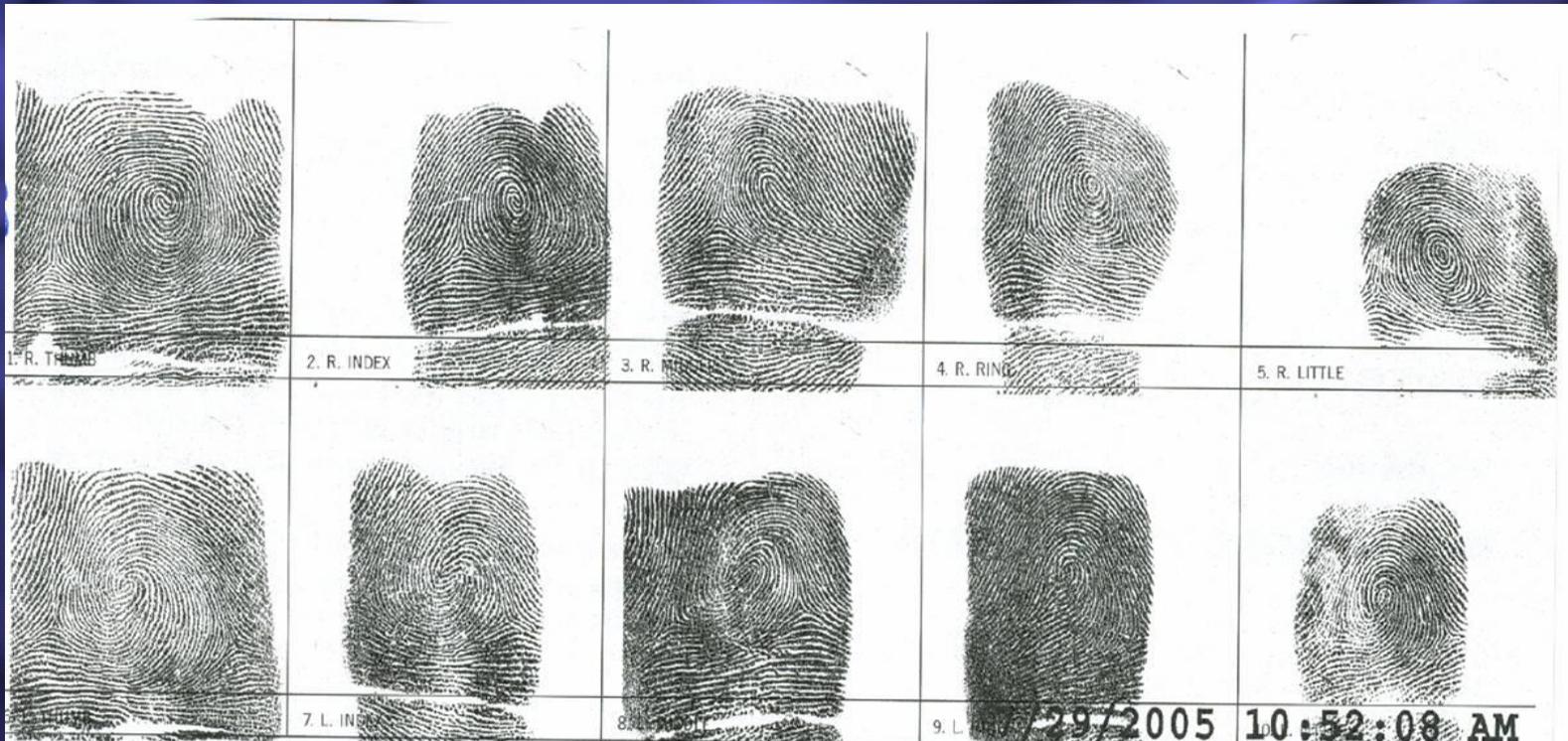


- Mis-raps
- Missed Hits
- Incomplete Info

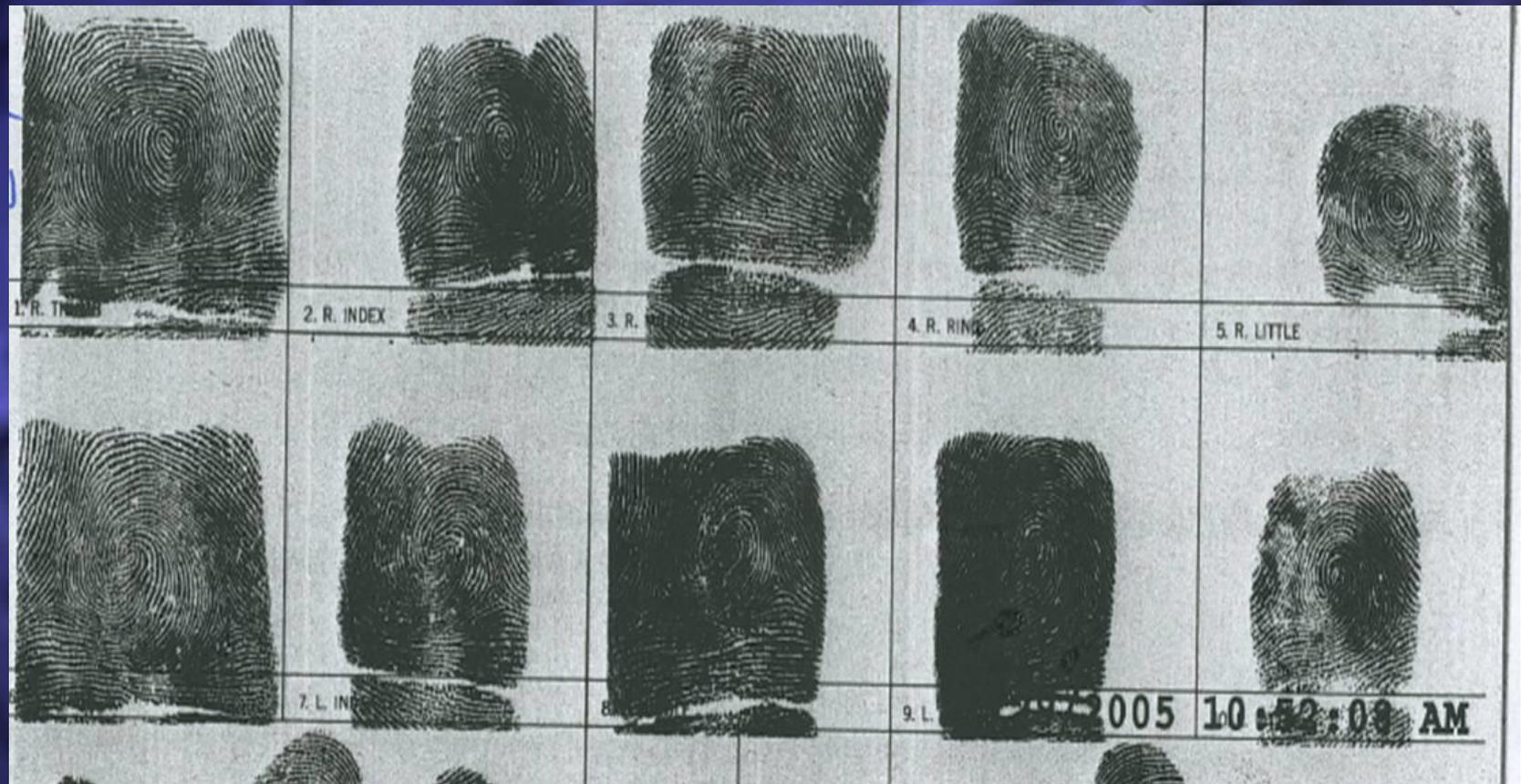


The Experiment...

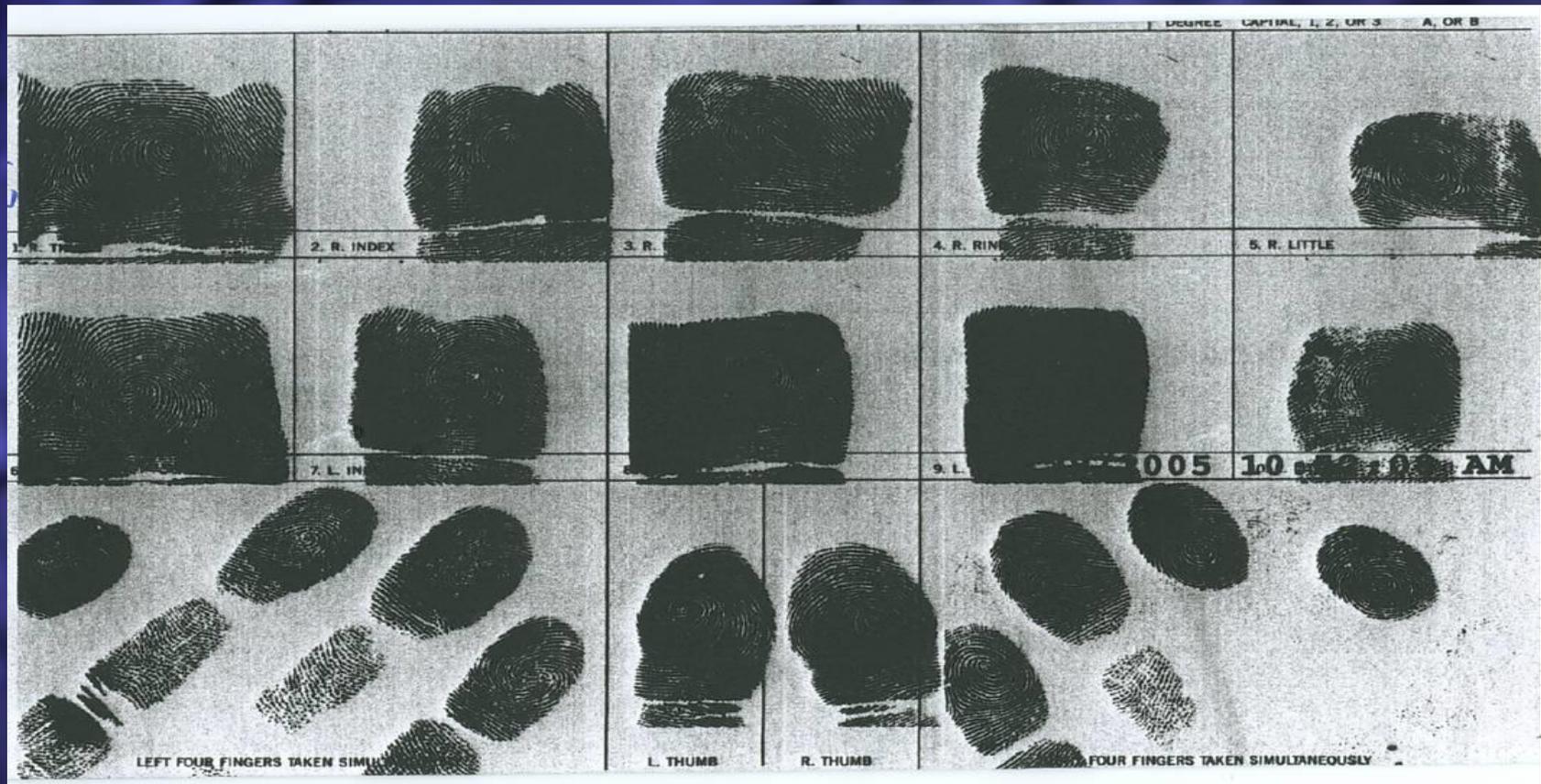
What happens when the fingerprints submitted are of poor quality?



We darkened them a little...



Then we darkened them a lot...



And then we ran them through AFIS

Good Prints = Hit

Software interface for fingerprint analysis. The window title is "Normal Mode". The menu bar includes "Main View Tools Help". The toolbar contains "Settings", "Batch List", "Ext", "Left Shift", "Right Shift", "Left", "Right", "Image", "Core", "Minutia", "Zone", "Zoom", "Skeleton", "Relation", "Reverse", "Mirror", "Rotate", "Reset", "Charting", and "Sync".

The interface displays two fingerprint images side-by-side. The left image is labeled "TCN" and the right image is labeled "SID 10959088". Both images show a clear, well-developed fingerprint pattern. Below the images is a table with the following data:

Rank	Decision	SID	Score	Hit Fingers	Sex	Date of Birth	Pattern Type	Quality	Offense...	ORI
*1	Hit	10959088	27201	2, 3, 6	Unknown	00/00/0000	wwww - wwws	AAAAB - ABBBC		TX-000000
*2	No Hit	11829346	2072	6	Female	02/19/1984	wwww - wwws	AAAAB - AAABB		TX-000000
*3	No Hit	06519160	1925	6	Male	06/18/1963	wwww - wwws	BBBBC - ABBCC		TX-922270
*4	No Hit	06211352	1745	6	Male	06/08/1976	wwww - wwws	ABBAB - ABBBB	5404	TX-857110
*5	No Hit	10659989	1734	6	Female	06/28/1964	wwww - wwwl	ABBBB - ACBBB	5203	TX-170000
						03/25/1963	wsww - wwws	BBBCC - BBBBC		TX-236065

At the bottom of the window, the status bar shows "Normal Mode", "Process [VV] TI JobResult - TaskNo [0001317449], JobNo [0001190684]", "Transaction: 1", and "08/19/2011 07:54:16".

Darkened just a little has a different outcome

***** TI Candidate List *****

1 / 1

Order Information

Operator ID BD00526 Order Initiated 07/29/2005 11:12:10
Terminal ID W010 Match Started 07/29/2005 11:12:18
Priority 2 Match Completed 07/29/2005 11:13:34
List of Candidate 5 Input Date/Time 07/29/2005 11:21:22
Total FMP Time 2.794

Search Information

TCN 0107292005111854 Sex Unknown
Date of Arrest UU/UU/UUUU Date of Birth UU/UU/UUUU
ORI TX-0000000 Offense Code UUUU
Name
Social Security No. Pattern Type WSRWW-WLSSW
License Code Reference P.T. R W - W L
FBI Number Quality CCCCC-CCCCC
Memo Minutia Count 14,0,9,21,41-8,8,0,3,26
BOX Sequence No. RDBT Fingers 1,6
YOB Range U

Candidate Information

No. of Candidate 5

Rank	SID	RDBT	Score	Sex	DOB	Pattern Type	Quality	Offense Code	ORI	BOX Sequence No.
1	01171389	1,6	247	Male	08/14/1943	WWWWW-WWLWW	A****-A****	9999		23031451
2	07046071	1,6	179	Male	12/07/1980	WWWWW-WWWWW	AAAAA-AAAAB	3562	TX-0000000	
3	06378695	1,6	162	Male	11/26/1980	WSSWS-SWLLS	BBBB*-BBAB*	2399	TX-0000000	
4	03705042	1,6	155	Male	12/20/1953	WWWWR-WWWWW	ABBA*-AAAA*	5203	TX-HPD0000	22820411
5	06527763	1,6	155	Female	06/07/1980	WWWWR-RWLWL	BBCCC-BBBCC	3562	TX-0000000	

Supplies



All of the supplies that are featured today, are just the products that we use. Your Agency should feel free to browse the web for supplies that meet your needs.

TO ORDER FINGERPRINT CARDS:

**Texas Department of Public Safety
Crime Record Service
P.O. BOX 4143
Austin TX. 78765
MSC0232**

**OR CALL BETWEEN 8AM - 5PM
(512) 424-2367**

**TO ORDER APPLICANT CARDS FROM THE FBI
CALL 304-625-3983**

If you are interested in purchasing any Livescan equipment or have any questions please contact Loann Garcia, the DPS LS Coordinator @ 512-424-2409

OR

Visit www.fbi.gov for certification requirements and to see a list of approved vendors.

