

the Print

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A PUBLICATION OF THE SOUTHERN CALIFORNIA ASSOCIATION OF FINGERPRINT OFFICERS

OFFICERS 1993

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(909) 627-1594

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President's Message

Congratulations to Tom Jones and Clint Fullen on their election to Director (South) for CSDIAI. They join many other CSDIAI officers who are also SCAFO members: Diana Castro, Jack Fives, Gary Jackson, Ann Punter, Wally Briefs (a recent addition to the SCAFO ranks), and of course Don Fandry.

Speaking of Don Fandry, he also deserves congratulations. His seminar was informative, interesting, and a heck of a lot of fun! Don can finally relax and enjoy his retirement, although knowing Don, he will probably be as busy as ever.

Before retiring the topic of the CSDIAI seminar, I feel one more SCAFO member deserves recognition. Diane Donnelly won First Prize for member exhibits. Her poster presentation was on

vacuum metal deposition. It was an interesting topic, presented in a professional way. I will see that the other winners get recognition in the Print, after I obtain a complete list from Jim Lawson, Chairperson of the Members Exhibits committee. In the meantime, congratulations to all the winners!

Many of our SCAFO members are in Quantico right now, attending the FBI symposium on latent prints. I hope we can count on one or two reports from those attending (hint, hint) for publication in the Print. This month, we have several articles and I know that Pat is hoping this is the start of a new trend.

Hope to see all of you in San Diego!

Mary Boyle President



Editor's Note

When I prepare the newsletter, it can be a real chore to find articles that are interesting and informative. I try to stay on top of the many journals and magazines and print what I think will be of interest to our members. Finding three articles in my mailbox made for a pleasant surprise.

Tom Jones sent in an informative article in the form of a letter to the editor. I made a few changes and decided to print it as an article. Russell Bradford sent in an interesting article on Mary E. Holland, America's First Fingerprint Instructor. These two articles can be found on page four and seven. Maggie Black found an article that will be printed in the next newsletter.

I would like to encourage everyone to keep the submissions coming. In keeping

with the new policy set up this year, dinner will be on SCAFO at the next meeting that Russell Bradford and Tom Jones attend.

Russell included a photograph with his article. I tried scanning the picture in and placing it in the article. If it holds up in the copying, I will try to include more photographs in the future. If it doesn't hold up, I will apologize now and try a different way to get photo's into the print.

Just in time for the CSD IAI conference, Lou Herbert delivered some shirts with the letters S.C.A.F.O. below a magnifying glass with a fingerprint in it. These shirts will be available at the next regular SCAFO meeting for around \$15.00. See you there.

MEETING MINUTES

SCAFO

the Print

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Minutes of the May Meeting

Date: May 1, 1993

Location: B.P.O. Elks Lodge
San Bernardino Ca.

Host: De Alexander

Amounts Received	Amounts Dispersed
52 Dinners @ \$14.00	53 @ \$775.75
\$728.00	\$ 50.00
Door Prizes \$ 53.00	
Fines \$ 4.50	
<u>Totals \$785.50</u>	<u>\$825.75</u>

Net Loss \$ 40.25
Attendance Drawing \$ 00.00

The Meeting was called to order at 2010 hrs by President Mary Boyle. The flag salute was led by Past-President De Alexander. Past-Presidents in attendance were Dell Freeman, De Alexander, Lynette Atwood.

Old Business

Swear Ins

There were no Swear Ins at this meeting.

Second Readings

Kathy Boring Santa Ana Police Department
Patricia Frye San Bernardino Sheriff
Scott Flynn Anaheim Police Department
Adriana Darko Ontario Police Department

Motions were made and seconded to accept these applicants as new members. They will become regular members at the next meeting they attend.

New Business

First Readings

Mike Yandell San Bernardino Police Department was recommended by Bob Goss as an associate member

Richard Dysart San Bernardino Police Department
recommended by Robin Dean

Announcements

Mary Boyle made the announcement that the Third Annual Training Seminar will be held at the Lawrence Welk Village in Escondido

Clinton Fullen made an announcement on the June SCAFO meeting in San Diego.

Lou Herbert announced that Polo Shirts will be made for the CSD-IAI conference. These shirts will be available at the next SCAFO meeting.

Attendance Drawing

Not won by Ingrid Crews, Deiores Lewis, Dennis Bradford. Next month the prize will be \$35.00

Fines

Patrick Nolte, De Alexander, Gary Jackson, Margarita Gomez, Terri Powers, Mary Boyle

Door Prizes

Clint Fullen, Debbie Coleman, Karen Ann Rice, Janet Lawson, Richard Dysart, Fred Banuelos, Roxanne Luna, Patrick Nolte, Dana Goss, Diane Donnelly, Sandra Herbert, Gary Jackson, Dell Freeman, Thelma Freeman, Dick Rogers, Edna Lincoln, Frank Terrio, Adriana Darko, Edward Palma, Adrienne Duckson, Scott Flynn, Margarita Gomez, Kathy Boring.

Speaker and Topic

Karen Ann Rice
"You've Got Me Under Your Skin"

The meeting was adjourned at 2130 hrs

the Print

The Print is published by the Southern California Association of Fingerprint Officers. SCAFO, is a non-profit association composed of individuals in the Forensic, Photographic, Identification and Investigative fields of law enforcement in Southern California.

Membership dues are \$20.00 a year.

The Print is published 10 times a year and a subscription is included in the annual membership dues.

Members are encouraged to submit articles for publication. The editor reserves the right to reject submissions and to edit those accepted as deemed appropriate.

Submit all correspondence for *the Print* to the Editor

Patrick Nolte

Anaheim Police Department

425 S. Harbor

Anaheim Ca 92805

714 254 1831

fax 714 533 3961

Statements, opinions or views expressed in *the Print* are not necessarily those of the Association. The information in this publication is offered without guarantees, or endorsements. The Executive Board assumes no responsibility for statements, opinions or views in this publication.

PHOTO-TIPS

by George Reis

This month I'd like to take the opportunity to congratulate those individuals who participated in the recent Southern California Law Enforcement Photographers Association (SCLEPA) Photography contest. We had more than 50 prints entered and over \$1,000 worth of donations.

The winners are:

BEST OF SHOW:

Michael Renney, Riverside County Sheriff's Office

TECHNICAL CATEGORY

First Place: Michael Renney, Riverside County Sheriff's Office

Second Place: Pat Nolte, Anaheim Police Department

Third Place: Frank Terrio, Pomona Police Department

CRIME SCENE PHOTOGRAPHY

First Place: Richard Howie, Westminster Police Department

Second Place: George Reis, Newport Beach Police Department

Third Place: George Reis, Newport Beach Police Department

TRAFFIC COLLISION PHOTOGRAPHY

First Place: Don Herzig, Gardena Police Department

Second Place: George Reis, Newport Beach Police Department

Third Place: Ken Jones, Westminster Police Department

MISCELLANEOUS CATEGORY

First Place: Tom Culbertson, Ventura County Sheriff's Office

Second Place: Scott Harms, West Covina Police Department

Third Place: Scott Flynn, Anaheim Police Department

Congratulations again to all of our winners, and thanks to all participants.

Editor's Note

Again, I would like to take the opportunity to thank George and his organization for putting on an excellent training seminar in photography. Photography plays a major part in our job and George has made a great effort to help us improve our skills.

PREPARING FOR COURT

by Tom Jones, Latent Print Examiner, Kern County Sheriff's Department

Everything we do at crime scenes, while processing evidence, and while making our latent print comparisons and completing reports, is done for one reason only - COURT TESTIMONY.

Unfortunately, Prosecuting Attorneys who are too busy for a pretrial conference, or examiners who are unprepared, are unable to set the stage properly for the jury to grasp the full impact of that examiner's conclusion.

I have listened to many Examiners testify and a few Instructors struggle with qualifying questions. I have heard each come up with one or two great questions and then fumble the answers to other questions that should have been a piece of cake.

Having been guilty of going into Court with some half-formed answers and then being caught, I decided to compile a list of questions that would lead a jury to the conclusion that the science works and that I understand it. Then, after reading the works of our scholars, I added answers to those questions. If the attached list isn't for everybody at least it has served me and I hope the Members of SCAFO might get some use out of it

QUALIFYING QUESTIONS AND ANSWERS

STATE YOUR FULL NAME.

WHERE ARE YOU EMPLOYED AND IN WHAT CAPACITY?

WHAT ARE THE DUTIES OF A _____?

ARE YOU A POLICE OFFICER?

WHAT SPECIAL TRAINING AND EXPERIENCE DO YOU HAVE THAT WOULD QUALIFY YOU AS A FINGERPRINT EXPERT?

WHAT IS THE BASIC PREMISE OF FINGERPRINT IDENTIFICATION?

That Fingerprints are formed prior to birth and remain unchanged throughout the normal course of life until death and decomposition occurs, and that no two fingers have the same print.

WHAT EXACTLY ARE FINGERPRINTS?

"Fingerprints" is a misnomer in that it excludes other areas of identifying ridge structure. The undersides of the fingers, palms, and the bottoms of the feet have skin which is of a different texture than that on the rest of the body in that it is ridged. These ridges are formed by the external pores of the underlying sweat glands. The pores are arranged side by side in parallel rows which form patterns, but more importantly the ridges end and merge together at random locations.

WHAT IS AN INKED OR ROLLED FINGERPRINT?

A recording of the fingerprint using black printers ink and white paper, or other chemicals which produce the same effect. Fingerprints can also be recorded electronically. A rolled print is one in which the finger is rolled from one side to the other in order to obtain as much of the print as possible.

WHAT IS A LATENT PRINT?

In law enforcement the term is used to describe the accidental or unintentional recording of ridge structure on an item which was touched or handled during the commission of a crime. Latent is defined in the dictionary as unseen or unnoticed.

IF LATENT PRINTS ARE UNSEEN OR UNNOTICED, HOW DO YOU LOCATE THEM AND HOW DO YOU SEIZE THEM FOR LATER EXAMINATION?

There is a variety of powders and chemicals for this purpose, depending upon the type of surface. Powders are applied to non-porous surfaces and the resulting image can be "lifted" using tape, which is then maintained on an identifying card of contrasting color. Chemicals are used on porous surfaces and where the item itself cannot be easily retained photography is used to preserve the print.

DO PEOPLE ALWAYS LEAVE PRINTS ON THINGS THEY TOUCH?

No. It takes three things to produce a print. Ridge structure, an adequate recording surface and a medium of transfer. If any one of these things is missing there will be no print.

HOW DO YOU CLASSIFY PRINTS AND WHAT IS THE PURPOSE?

Fingerprints are classified by pattern type, size, and their location on the fingerprint card. The use of fingerprints for identification is necessary when dealing with people who can't or won't reveal their true identity, therefore the prints must be filed by their own physical characteristics. Each card obtained is classified and the indicated area is searched for a previously obtained fingerprint card.

HOW ARE PRINTS COMPARED AND IDENTIFICATION MADE?

The ridge endings and the points at which two ridges merge into one, and other ridge anomalies, are referred to as "Points of Comparison". In order to arrive at the conclusion that two prints were made by the same area of a finger, palm, or foot, there must be a sufficient number of the points to conduct the examination, and both the search print and the exemplar must contain the same group of points in the exact group unit relationship.

HOW MANY OF THESE POINTS ARE NEEDED TO MAKE A COMPARISON?

There is no scientific reason to require any certain number of points in order to reach a conclusion of "same source". Each comparison is, by its very nature, a unique study. Some areas of fingerprints contain points which are cheaper or more common than other areas and some ridge formations are more exotic than others. It should be noted however that one unexplainable difference will end the study.

WHAT IS AN UNEXPLAINABLE DIFFERENCE?

A ridge characteristic which is present in one print and not the other.

WHAT IS AN EXPLAINABLE DIFFERENCE?

Dirt or other foreign substance on the ridge structure can cause a poor quality impression. Too much of the medium of transfer can blur or smudge, and uneven pressure can create problems which take time but can be explained.

HAVE YOU PREVIOUSLY TESTIFIED AS A FINGERPRINT EXPERT AND IF SO IN WHICH COURT?**HOW MANY TIMES HAVE YOU TESTIFIED AS A FINGERPRINT EXPERT?**

Editor's Note: Thanks to Tom for this article and these sample questions. Remember the 7 P's : Proper Prior Preperation Prevents P-ss Poor Performance!

Upcoming Events

June 5, 1993

Regular SCAFO meeting
San Diego
Clint Fullen Host

July 25 ~ 31, 1993

International Association of
Identification
78th Educational Conference
Orlando, Florida

August 7, 1993

Regular SCAFO meeting
Riverside, Ca.
Lou Herbert Host

September 11, 1993

Third Annual SCAFO Training
Seminar
Escondido, Ca.
Bill Leo and Clark Fogg Host

October 2, 1993

Regular SCAFO Meeting
Knott's Berry Farm
Doug Duckson Host

November 6, 1993

Regular SCAFO Meeting
Bakersfield
Tom Jones Host

December 4, 1993

SCAFO Installation Dinner
Clark Fogg Host

PRINTIPS

By Becki Daher

Throughout my travels, I have encountered many who are fascinated with my "tape ripping" technique. I always thought that everyone knew this fast and uncomplicated method of removing a length of tape from the lift tape roll. It keeps the tape from getting stuck to itself and you, and leaves a "leader" onto which you can grasp for the following length. I call this the "Maggie Black technique," because that's where I learned it (I must give credit where credit is due)!

First, grasp the roll of tape and advance the desired length. Now fold the tape over onto itself, sticky to sticky, forming the shape of a triangle. Using the same hand that is holding the tape roll, place your thumbnail firmly on the apex of the triangle. With your other hand quickly snap off the length of tape. You now have a length of tape with a leader at one end, and a clean edge at the other. After you have placed the tape securely on the latent print, you can then fold over the clean edge. This Provides a non-sticky second edge to grasp when removing the tape from the print, and placing the latent lift on the lift card.

Often, I will begin transferring the tape to the lift card by securing one end of the tape to a fixed surface. This can be your clip board a counter top, or even your upper thigh, if that's all there is! Slide the blank card under the tape and apply pressure to the tape in an even manner, to avoid bubbles and creases, from one end to the other. Securing the one end first helps you avoid misplacing the tape on the card, and gives you more control in smoothing the tape onto the card. This works especially well on windy days - i.e. no more tape flapping in the breeze enroute to the lift card!

Remember, no matter what tools you have to get the job done, the most important is your motivation. Keep your powder dry!

Call for Speakers

The Southern California Association of Fingerprint Officers is pleased to announce the Third Annual SCAFO Training Seminar to be held Saturday, September 11th At the Greens Conference Center, Escondido.

We invite anyone who would like to speak at the seminar or would like to suggest a speaker or topic to please contact Clark Fogg at (310) 285-2116 or Bill Leo at (213) 974-4606 as soon as possible. Speakers will be requested to submit an abstract of their topic one page or longer in length. The abstract will be published in the seminar program. We are looking forward to a successful seminar with your help.

Mary E. Holland America's First Fingerprint Instructor

By Russel R. Bradford

Who was the most important person in the advancement of fingerprint classification in the United States? Was it Richard Edward Henry, who developed the "Henry System" in 1900? What about Alexander J. Reno, who developed the "Reno Extension" to the Henry System. Or was it John Kenneth Ferrier, who brought the Henry System to America in 1904?

No, it is none of the above. The author believes it was Mary E. Holland, who was born February 25, 1868, in Iowa. She was the daughter of Mr. & Mrs. Elias Troxel and in about 1888 married Phillip C. Holland. Mr. Holland published "The Detective", a criminology magazine that contained photographs of criminals wanted, law enforcement supplies, and for many years was the official journal for police and sheriff associations. Mary soon became co-editor and took a major hand in the firm. She headed a manufacturing extension of police supplies (she patented a boot for prisoners to wear instead of a ball and chain). She also became manager of a detective agency.

Richard Henry developed the "Henry System" in England in 1900. James H. Parke, New York State Prison Department, developed in 1903, the "American System of Fingerprint Classification". Parke took his system, in 1904, to the Worlds Fair in St. Louis. Sgt. John Ferrier, fingerprint expert with New Scotland Yard, came to America as part of the security accompanying the "Queen Victoria diamond jubilee collection" to the Worlds Fair.

Both Parke and Ferrier set up fingerprint exhibits at the Fair. Sgt. Ferrier, who had personally

trained under Richard Henry, began teaching the Henry System. Various persons would set in the classes, but a core of nine students studied for seven and one half months. They were: Edward Brennan and John Shea of St. Louis, Mr. Ryan of St. Joseph, Capt. Edward Foster from Canada, George Koestle of Cleveland, H.A. Thompson of Oklahoma City, and Edward Evans, Emmett A. Evanans, and Mary Holland, of Chicago.



Mary Holland

Mary Holland became an advocate of the Henry System and began teaching it around the United States. In 1906 she introduced the Henry System and then taught it to the Navy Department. Her teaching advanced the Henry System throughout the country, while Parke's system spread only to the New England states (today it is used only in New York, and some believe it is superior to the Henry System).

In about 1910, Mary Holland testified in the People vs Jennings trial in the State of Illinois. This is said to be the first judicial ruling on fingerprinting in the United States. The conviction was supported by the Illinois Supreme Court.

Sgt. John Ferrier wrote, "later on, in England, it gave me special pleasure to renew my friendship with John W. Shea, Edward Brennan, William McCoughry and my dear old friend, the inimitable, Mary E. Holland". Mary died on March 27, 1915 at the age of 47 - America's First Fingerprint Instructor and Fingerprint Pioneer.

JOB NOTICE

LATENT PRINT EXAMINER I/II (Official Title: Fingerprint Examiner I/II)

Riverside County is establishing a list for the position of Fingerprint Examiner I/II. This position is responsible for performing latent print analysis and identifications in the CAL-ID Unit of the Sheriff's Department. Requirements are at least one year of journey-level experience performing fingerprint identifications. Apply immediately. For more information and application materials, contact Riverside County Personnel or Roxanne Luna, CAL-ID (909) 275-2740.

Riverside County Personnel Department
4080 Lemon Street, Room 109
Riverside, CA 92501-3664
(909) 275-3500

Annual Salary Range: L/P Examiner I: \$25,251 - \$31,283
L/P Examiner II: \$26,644 - \$33,009

Applications Open: June 1, 1983
Close: June 30, 1993

S.C.A.F.O.
the Print

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Meeting announcement

S.C.A.F.O.

6263 Truman Ct.
Chino, Ca. 91710-3770



Russell Bradford

