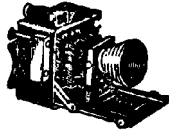




# THE PRINT

Official Publication of the Southern California Association of Fingerprint Officers  
An Association for Scientific Investigation and Identification Since 1937

March/April 2001 Volume 17 Issue # 2



## OFFICERS 2001

### PRESIDENT

Bob Goss  
San Bernardino Police Dept.  
(909) 388-4904  
goss@scafo.org

### FIRST VICE PRESIDENT

George Durgin  
Escondido Police Department -Retired  
(760) 233-2074  
durgin@scafo.org

### SECOND VICE PRESIDENT

Steven Tillmann  
Los Angeles Sheriff's Dept.  
(213) 989-5107  
tillmann@scafo.org

### SECRETARY

Ed Palma  
San Diego Police Department  
(619) 531-2573  
palma@scafo.org

### SERGEANT AT ARMS

Marvin Spreyne  
Riverside District Attorney's Office  
(760) 863-8984  
spreyne@scafo.org

### CHAIRMAN OF THE BOARD

Art Coleman  
Oceanside Police Dept.  
(760) 435-4630  
coleman@scafo.org

### DIRECTOR

Tony Clark-Stewart  
Gleann Mor Identifications  
(818) 761-8081  
clark-stewart@scafo.org

### DIRECTOR

Susan Garcia  
Los Angeles Sheriff's Dept.  
(562) 940-0248  
garcia@scafo.org

### DIRECTOR

Elaine Sena-Brown  
Santa Monica Police Dept.  
(310) 458-8497  
sena-brown@scafo.org

### DIRECTOR

Rodrigo Viesca  
Chula Vista Police Department  
(619) 691-5274  
viesca@scafo.org

### HISTORIAN

William F. Leo  
Los Angeles Sheriff's Dept.  
(562) 940-0248  
leo@scafo.org

### TREASURER

James Lawson  
NCIS-San Diego  
(619) 556-1390  
lawson@scafo.org

### PARLIAMENTARIN

Clint Fullen  
San Diego Police Dept. - Retired  
(858) 259-2853  
fullen@scafo.org

### EDITOR

Alan McRoberts  
Los Angeles Sheriff's Dept.  
(562) 940-0248 x 278  
mcroberts@scafo.org

SCAFO WEBSITE  
<http://www.scafo.org>

## EXCAVATIONS OF SKELETAL REMAINS FROM AN ANTHROPOLOGICAL POINT OF VIEW

**DANNY RINEHART**

Rinehart Forensics

*(The following original article was submitted by the author. Our thanks to Danny for another interesting contribution.)*

### Introduction:

Mankind has waged war for centuries. The twentieth century has become an age of genocide, atrocities and mass graves. The first recorded opening of mass graves in this century was during the Second World War. In the spring of 1940, the Soviet Red Army executed Polish army officers and prisoners of war. They were buried secretly in mass graves, some located in a forest near the village of Katyn in Belarus. Three years later this burial site was detected by the Germans and more than 4,000 bodies exhumed. Since the end of that war in 1945, only geographic boundaries have changed. In the past decades, civil wars in South and Central America, Asia, Africa and lately in Europe have taken the lives of hundreds of thousands of people.

The worst genocide in the Baltic region took place during the war of 1991-1995 on the territory of former Yugoslavia, especially in Bosnia-Herzegovina (BiH). Under the guise of "ethnic cleansing," about a quarter of a million people lost their lives. Another two-and-a-half million became refugees. As of June 2000, according to the International Committee of the Red Cross, there are an estimated 15,000 to 20,000 missing persons. They may be buried in mass graves in the forests, fields or hills of their homeland. They may lie undetected on the surface waiting to be discovered, identified and returned to their families for proper burial.

Beginning early in 1996, the first "after-the war-exhumations" in the territory of Bosnia-Herzegovina took place. No one was prepared for the task of exhuming the incomprehensible number of bodies or skeletal remains. In the first year of exhumations, almost 2,000 remains were recovered in BiH, and this is but a fraction of the missing or presumed dead. There are still thousands of bodies to be exhumed and examined in the coming years. The main purpose of opening the mass graves or the clearing of unburied surface remains is to identify the deceased and return them to grieving families. Unfortunately, the problems of identification are compounded by the lack of documents, distinctive clothing or personal belongings. Therefore, expectations for eventual identification of unknown remains lie in the ability of the

forensic specialists to estimate age, gender and stature of skeletal remains based upon existing anthropological standards and DNA.

Working with the International Commission for Missing Persons (ICMP), in Bosnia-Herzegovina, I was exposed to gravesites where different exhumation teams were making recoveries. These sites and many more are being investigated for humanitarian reasons in the hopes of identifying the remains with their respective families.

### **Excavation of graves**

Prior to organizing an excavation of a suspected grave (mass or single) some basic background information about the number or victims, year of burial and type of grave (e.g.: dug hole, natural depression, cave) must be obtained. This information will assist in planning for resources, equipment, number of workers and the amount of time that will be necessary to perform recovery of remains. This is the most critical issue for a successful excavation, and it is imperative that reliability regarding this information is confirmed.



### **We have what you need:**

- crime scene investigation equipment
- latent print development supplies
- supplies for rolling fingerprints
- Forensic Light Sources
- fluorescent powders and dyes
- textbooks and video training tapes
- protective clothing
- magnifying glasses
- casting materials and frames
- narcotics test kits
- photographic scales and rulers
- cans, bags and boxes for physical evidence
- and much, much more...

*Call for a  
free catalog!*

**Lightning Powder Company, Inc.**  
1230 Hoyt Street SE  
Salem, Oregon 97302-2121  
Tel. 503-585-9900 or 800-852-0300  
FAX 503-588-03-98 or 800-588-03-99  
e-mail 75464.2054@compuserve.com

### **1. Locating Suspected Grave Sites**

Statements of witnesses are not always positive in respect to exact locations due to emotional stress, seasonal changes in topography or landmarks that may have been destroyed, etc., but still are the most important and reliable source of information for general or specific site location of the grave. However, if possible, information should be collected from more than one witness. If the grave's specific location is not known, it may be verified by other means.

### **2. Site Assessment**

Before the excavation can take place, a preliminary visit to the suspected site is necessary to map the area to be excavated. Above all it must be insured that the area has been cleared of surface debris. Search party personnel need to be briefed on customary elements that indicate the location of a gravesite.

The most useful indicators for a fresh, or new, gravesite are:

- a. Differences in type and growth of vegetation - mixed species and disturbed growth
- b. Visual changes in ground surface level - depression, cracks, soil compaction
- c. Differences in soil composition while probing and coring - less compact, disturbed or showing contact with decomposed remains (the odor produced by sniffing a tip of the probe)

If the grave is older, oftentimes there may be no visible features to indicate a disturbance in the soil. One has to keep in mind that graves can be purposely concealed. It may be necessary to use other means of detection to reveal a general area where a grave may be located.

- a. Aerial or satellite photographs
- b. Ground penetrating radar (GPR) - may require relatively smooth surface
- c. Magnetometer - works over snow and water

- d. Metal probe - survey natural compact strata vs. disturbed soil, may bring decomposed scent on the tip of a probe
- e. Metal detector - helpful if metal or bullets are in and around grave
- f. Cadaver dogs - may be the most effective, even in very difficult conditions, such as very old and very deep graves, when remains are skeletonized or air and ground are moist

Usefulness of the first three means may be questionable. Availability of aerial photographs is very limited and the use of GPR or a magnetometer is more of theoretical than practical interest. Those high-tech, very sophisticated instruments are dependent on the specific environment in which the grave may be located, and have to be operated by trained personnel. GPR can "see" as deep as 1.5 to 2m into the soil, depending upon soil character. Sometimes it can "see" the image or structure of a body or other materials (non-soil) at a specific depth. Applicability of the magnetometer (also called a proton magnetometer) depends on soil quality. It works better in homogeneous soils. Unfortunately, both techniques rely on the finding of soil disturbance and require a large amount of expensive equipment on the site. This equipment needs to be operated by personnel skilled in interpreting the information displayed on the computer screen in order to "translate" the patterns of soil. Additionally, covering the searched area takes a lot of time and even under the best of conditions, it may be difficult to interpret what is depicted on the computer screens.

### 3. Excavation

Following the location of the gravesite, the probable dimensions (length, width and depth) should be estimated as closely as possible. The ground surface should be examined for any evidence (bullets, personal belongings, jewelry, etc) before being slowly and carefully removed. In some cases, especially those of mass graves, heavy equipment (backhoe) may be used initially to remove the topsoil, with a monitor to watch carefully for evidence or remains exposed by the machinery. Soil removal may then be probed by careful use of picks and shovel and finally, with trowels and brushes.

### Collection of unburied surface remains

Exposure to the climate accelerates decomposition and destruction and thus it is essential that unburied bodies be removed as soon as possible. Buried bodies are usually not accessible to animals, insects or changes in surface temperature, therefore, the rate of decomposition relies solely on the activity of microorganisms and soil structure. In the case of single or shallow graves, the process of decomposition is usually more rapid, while in mass graves - where bodies are usually packed very tightly and there is little oxygen to promote growth of organisms and decomposition- the bodies may stay well preserved. Unburied bodies are exposed not only to the destructive effects of climate but also animal activity. The potential for animals to destroy or scatter body parts increases with time. The number of bones missing directly correlates to the time elapsed since death. Exposure to environmental elements for prolonged periods also decreases the prospects of positive identification.

Unburied bodies are exposed to many variable factors and in the search thereof, one must be prepared for the following:

**THE PRINT** is the official publication of **Southern California Association of Fingerprint Officers (SCAFO)**. The information in this publication is offered to the membership without guarantees, nor endorsements. Statements, opinions or views expressed in the **THE PRINT** are not necessarily those of the association or its officers. Some articles may contain descriptions of processes utilizing chemicals or combinations of chemicals which may be hazardous to the user's health. It is recommended that proper precautions be taken when using any chemicals. The publication of advertisements should not suggest or imply endorsement of any product or company. Reproduction of **THE PRINT**, in whole or in part, for educational or scientific purposes is permitted provided proper citation of the source is noted.

- Extreme decomposition due to the affects of temperature, climate, micro-organisms, insect and animal activity
- Ground or leaf cover due to seasonal changes, which increase with length of time
- Partial or complete self-burial: disarticulated small bones and loosened teeth may "sink" below the soil surface as it is worked by insects, rains and winds that can cause the mixing of earth, and decayed leaves which may cover bones
- Profuse scattering of defleshed bones by wild animals, birds or gravity if remains are located on a slope

Although the process of decomposition begins at the time of death, it is also affected by the clothing worn by the deceased at the time of death. In lightly dressed bodies, the process of disarticulation is usually evident after a period of several months. Heavier clothing will prolong decomposition. The course of decomposition lasts until only hard tissues such as teeth and bones are left. Hair may continue to adhere to the skull. After approximately one year, most bones may be strewn around and the likelihood of recovery is minimal.

#### **Analysis of skeletal remains**

Usually, examination of recent skeletal remains requires the attention of a forensic anthropologist. Anthropological examination differs from that of the forensic pathologist. Forensic anthropologists focus on obtaining information from hard tissues such as bones and teeth while forensic pathologists gather information fundamentally from the soft tissue. However, since the presence of a forensic anthropologist is not always possible, a forensic pathologist or anyone trained to work on skeletal remains must be prepared to obtain any (or all) information that will be of use for establishing the identity of the deceased.

- Once the remains are collected and placed in individual bags or boxes, they should be transferred from the site to the laboratory or morgue. The bones should be cleaned and laid out in anatomical position for examination.
- Retain the following samples for eventual DNA analysis: mid-shaft section of femur or humerus (approximately 2x5 cm piece, of 5 to 10gr) and premolar and/or molar tooth.

#### **Sex Determination**

Determination of sex is crucial for further analysis of unidentified human remains, because all techniques of assessment of age and calculation of stature are different for male and females. The innominate bone, which comprises the pelvis, offers the most definitive traits. The second-most important bone is the humerus or femur. The skull, praised traditionally for many decades the most discriminating factor, is now considered of lesser importance.

Determination of sex from pre-adult bones is rather difficult to define. Some anthropologists try to compare stages of tooth calcification with the stages of maturation. They assume that in boys, the post-cranial skeleton matures more slowly than in girls, while the rate of calcification of the teeth is about the same. Since the method is difficult in application for an inexperienced person, it is advisable to limit determination of sex from immature skeletal remains.

The skull, which for decades was a favorite and only attribute of sex determination, recently became less popular. All skull features have been proven to be relatively subjective and therefore forensic anthropologists prefer to use the much more objective traits of pubic bones for sex determination.



**TRAXTONE™**

THE LATEST WORD IN

**CASTING**

**A NEW AND SUPERIOR CASTING MATERIAL  
WITH MIXING INDICATOR PIGMENTS**

- CONVENIENT 1½ LB. BAGS
- AVAILABLE IN KIT FORM
- SHORT SETTING TIME
- HIGH COMPRESSION STRENGTH
- LOW EXPANSION FACTOR
- NEARLY MISTAKE PROOF

GIVE US A CALL FOR MORE INFORMATION

**(800) 377-0450**

**EVI-PAQ PHOENIX, AZ**

Nevertheless, the skull should be used additionally in the assessment. Since most forensic pathologists feel much more comfortable examining the skull than other bones, examination of the skull in regards to sex determination shouldn't be abandoned in the analysis of unknown human skeletal remains. Indicators of sex from the skull should be treated always as complementary information.

### **Pre-adults**

In general, the development of teeth, appearance of the ossification centers, epiphyseal union and length of the long bones are the principal criteria for estimating age at death in pre-adults. Even if dental development provides the most accurate results, other aging methods should be employed if possible.

Dental development (calcification and eruption of teeth) gives the most accurate age information in pre-adults because it is largely controlled by genetic factors and relatively susceptible to environmental factors.

Appearance of ossification centers occurs from the birth to about 15 years and can be easily compared with available standards. However, in forensic cases, centers themselves rarely survive because of their fragile nature.

Epiphyseal union techniques are most commonly used for aging immature bones from about 10 to 20 years. There are available standards depicting epiphyseal union development for most long bones.

The size of the long bone can be used to estimate age in both prenatal and postnatal skeletal remains. In prenatal skeletal remains, the length of the long bone diaphyses (shaft) has to be measured to estimate length of the body, from which the age of the fetus can be assessed. For postnatal skeletal remains, the diaphyseal length of the long bones can be used directly to estimate age. This method of direct utilizing length of the long bone diaphyses may be used to estimate age of prenatal skeletal remains and children up to about 6 to 7 years of age.

### **Ossification centers and epiphyseal union**

Estimation of age at death from immature skeletal remains may be derived from the appearance of the ossification centers and stages of epiphyseal union. All bones of the human skeleton develop from a number of separate ossification centers. By the eleventh prenatal week, there are approximately 800 centers of bone

growth. These centers unite as the fetus grows, and at birth there are about 450 centers. The adult skeleton has only 206 bones.

Appearance of ossification centers and the beginning of epiphyseal union have a fairly definite sequence and therefore can be quite a reliable indicator for age assessment. The process of ossification and epiphyseal union begins earlier in females than in males. The average is about two years in advance to males. This subsequently leads to a shorter period of growth in females and is responsible for their smaller adult size.

### **Discussion**

Generally, criteria used for estimating age in adults are less precise and accurate than those for pre-adults. When assessing age at death from adult skeletons, one can no longer rely on relatively regular skeletal and dental changes associated with growth and development, and must concentrate on recording age related to changes that occur in mature skeletons.

Although the sites visited in Bosnia-Herzegovina were a result of "ethnic cleansing," these ideas and approaches can be used in cases from a single homicide site to the recovery of missing American soldiers from past wars. It is important that everyone involved be capable of comprehension and compliance with the general criteria for such work. Since the assistance of a forensic anthropologist or archeologist is not always possible, this paper should be of interest to anyone who might be engaged in the process of collection of surface bones, excavation of mass graves and the examination of skeletal remains for identification.



Danny Rinehart  
Rinehart Forensics  
Spring, Texas 77388  
drine@sprynet.com

---

*(Editor-- Danny submitted this article via email and included several pictures within the paper. Due to publication restraints, the photos were not included herein. However, they will be available when the article is posted online within the SCAFO website. Danny, we look forward to additional future papers -- Thank you for the submission to The Print.)*

## Man admits to impersonating prisoner

-- Inmate who agreed to serve another's term was set to be freed in weeks

(This article is reprinted from the San Gabriel Valley News, February 16, 2001. Thanks to Dale Falicon, LASD.)

By **KRISTEN WYATT**  
Associated Press

**ATLANTA** – Pierre Carlton easily fooled federal authorities, who, after all, aren't used to people trying to sneak into prison.

Carlton agreed to serve another man's 20-month prison sentence after he was promised cash and free crack, authorities say. He spent 15 months posing as Dexter Mathis, and proved to be a model prisoner who earned a high school equivalency degree, kicked a drug habit and spent most of his time reading.

He was 47 days from being released early for good behavior when he got sick of pretending and didn't show up at a halfway house.

Since then, authorities have found the real Mathis, who allegedly cooked up the scheme when he was out on bail after pleading guilty to receiving \$2,762 in proceeds from a bank robbery. Mathis is back in jail and has pleaded innocent to conspiracy charges that could add five years to his original sentence.

Mathis' lawyer, Steven Berne, said his client was only trying to help Carlton by sending him to a minimum-security prison where he could get off drugs.

"Mr. Carlton had a drug addiction, and Mr. Mathis educated him on the benefits of drug treatment in prison," Berne said Thursday. "This was a decision made by Mr. Carlton."

However, authorities say Mathis was Carlton's drug supplier and was able to persuade Carlton to serve his sentence by offering him cash and free crack after his release.

On June 7, 1999, Mathis drove Carlton to the U.S. Marshal's office where Carlton, who had memorized Mathis' biographical information, turned himself in.

Carlton is 32 and Mathis is 31, but the pair don't look much alike. Carlton is at least four inches shorter than Mathis, who is 6-foot-3 and weighs more than 200 pounds.

"The only thing they have in common is they're both black males," said Paul Kish, Carlton's lawyer. "It's a production line in there."

It was unclear whether federal officials compared Carlton's fingerprints to Mathis'. A spokesman for the U.S. Penitentiary in Atlanta, Mike Binion, said inmates are fingerprinted and photographed, but prison officials also rely on federal marshals to deliver the correct inmate.

"He was Dexter Mathis as far as everybody knew," Binion said.

While Carlton was behind bars, Mathis pumped \$500 to \$1,000 into his prison account. And Carlton, who already had a high school equivalency diploma, pursued another one because he was bored and enjoyed the prison class.

The sentence was supposed to be served in a minimum-security camp in Atlanta. But after authorities heard rumors that Mathis was still selling drugs in Atlanta, they put Carlton in solitary for eight months to be sure that he wasn't leaving the camp during the day.

He was eventually transferred to another prison.

The ruse unraveled when Carlton was to be released early for good behavior. On Sept. 27, Carlton was put on a bus and ordered to report to an Atlanta halfway house for the final seven weeks of the sentence. He never showed up.

A week later, an FBI agent investigating a bank robbery spotted a car with tags that were traced to an alias once used by Mathis. He followed up and found the real Dexter Mathis. After authorities realized Mathis was not the man who had spent 15 months in prison, he was charged with conspiracy to defraud the United States and is now serving the sentence he was supposed to serve in the first place.

Dan Dunne, a spokesman for the Federal Bureau of Prisons, said admissions procedures have been tightened but wouldn't give details.

Carlton has pleaded guilty for his role in the scheme and will probably face probation, Kish said.

"I was hoping I was going to head out of prison either clean and sober or either have me drugs," Carlton told a judge.

Berne, Mathis' lawyer, said the scheme wasn't illegal because Carlton agreed to do it. He pointed to cases of men paying others to take their place in war, a practice that dates at least to the Civil War.



## Meetings

**April 7, 2001**

### ***Past President's Night***

Host: Chairman Art Coleman  
coleman@scafo.org

### ***"The Importance of Fingerprints in the Criminal Justice System"***

Sgt. John Aerts  
Records and Identification Bureau  
Los Angeles Sheriff's Department

Knott's Berry Farm  
Buena Park, CA

**June 2, 2001**

Host: Susan Garcia  
garcia@scafo.org

***"CSI" - The Hit TV Show***  
Elizabeth Devine, Technical Consultant

Steven's Steak House  
City of Commerce, CA

## **PRESIDENT'S MESSAGE**

What a concept, take a digital video camera and laptop computer into a large or small area or room and capture 360 degrees in all directions -- every image of the scene. Go back to the office and create a virtual panoramic walk through view of a scene to show the brass, judge, jury or for use as public relations. How impressive! Digital photography and computers continue to improve in leaps and bounds. Thanks to Casey Coss and Ted Chavalas of Panoscan for their presentation at the February meeting.

I would like to thank 2<sup>nd</sup> Vice-President Steve Tillmann for hosting the meeting, even though he was unable to be present, and guest speakers. The food was excellent although it has been a long time since I sat through a five-course meal.

Part of the oath members take includes helping when called upon and I would like to say thanks to Russell Bradford for just that. He readily agreed to swear in the new members when I asked, making the ceremony even more outstanding by contributing comments on the history and values of our great association.

All members please take a moment to read through the January/February 2001 issue of The Print. Past President Bill Leo's article "Fingerprint Identification, Objective Science or Subjective Opinion?" should be very helpful to those furthering their careers in the science of fingerprints and as a refresher to others. Great job Bill.

For those following the court decisions relating to Daubert and Kelly Frye Hearings don't skip "Court Challenges to Fingerprints" also in the January/February 2001 issue. Many thanks Steve Meager, Bill Leo and John Vanderkolk for your contributions to this article.

In March I will be attending the California Association for Property and Evidence (CAPE) in Irvine, and in May I will be in Concord attending the California State Division International Association for Identification (CSD-IAI) training seminar. Besides furthering my education and knowledge I will be discussing a concern that was raised by Tom Jones (refer to the front page of the November/December 2000 issue of The Print). Equal protection under the law when handling or being exposed to carcinogens. Law enforcement agencies throughout the state are and have been replacing sworn officers with civilian or non-sworn evidence handlers and processors. There not only is a great financial savings by paying lower wages, health and retirement benefits, but also the savings by not paying for cancer treatment that a firefighter and peace officer would receive under Labor Code ss3212.1. This is the short version, more to follow in future issues.

That's all for now. Be sure to make your reservations early for the Knott's Berry Farm meeting in April. See you there.

Fraternally,

Bob Goss

**"Every man owes a part of his time and money to the business or industry in which he is engaged. No man has a moral right to withhold his support from an organization that is striving to improve conditions within his sphere."**

**- President Theodore Roosevelt - 1908**

For subscription or membership information contact:

S.C.A.F.O. Ed Palma, Secretary  
1401 Broadway m.s. 725, San Diego CA 92101-5729  
(619) 531-2573 email palma@scafo.org  
\$20.00 yearly subscription (attendance required for membership)  
\$30.00 yearly for International subscriptions

C.S.D.I.A.I. Ashley R. Crooker  
1521 Annie Court, Tracy CA 95376-2269  
(209) 832-8236  
\$25.00 yearly membership

I.A.I. Joseph P. Polski, Secretary-Treasurer  
2535 Pilot Knob Road, Suite 117, Mendota Heights, MN 55120  
(612) 681-8566 (612) 681-8443 FAX  
\$60.00 yearly membership



Return Service Requested

FIRST-CLASS MAIL  
U.S. POSTAGE  
PAID  
TEMECULA, CA  
PERMIT NO. 139

S.C.A.F.O.  
2020 West Beverly Blvd.  
Los Angeles, CA 90057-2404

## *in this issue*

pg.

- 1 Excavations of skeletal remains from a an Anthropological point of view
- 6 Man admits to impersonating prisoner
- 7 President's Message



**SCAFO Members**  
get "[yourname@scafo.org](mailto:yourname@scafo.org)"

See instructions on the website's email page.

## *-- Upcoming Events/Schools/Seminars--*

- April 7, 2001 **S.C.A.F.O. Meeting**  
Host Art Coleman  
Oceanside Police Dept.  
*Past President's Night at Knott's Berry Farm*
- April 9 - 13, 2001 Nevada Div. IAI Educational Conference  
Las Vegas, Nevada
- April 25, 2001 Coachela Valley Forensics Group  
Host Marvin Spreyne
- April 30 - May 3, 2001 CSDIAI 85th Annual Training Seminar  
Concord, CA
- June 2, 2001 **S.C.A.F.O. Meeting**  
Host Susan Garcia  
Los Angeles Sheriff's Dept  
Steven's Steak House, City of Commerce
- June 26 - 30, 2001 International Crime Conference  
100 Years of Fingerprints at New Scotland Yard  
London, UK
- July 22 - 28, 2001 International Association for Identification  
Miami, FL
- August 4 - 10, 2002 International Association for Identification  
Las Vegas, Nevada
- Call for Dates Field Evidence Technician Course  
Center for Criminal Justice  
California State University, Long Beach  
(562) 985-4940