

## Fentanyl Update

**Presented by Chemistry Section** (Nebraska State Patrol Crime Laboratory)

The NSP Crime Laboratory Chemistry Section will be providing a presentation on the opioid crisis and nature of fentanyl and other opioids, as well as patrol officer and first responder safety considerations. This presentation will provide a brief history of the opioid/fentanyl crisis in the United States, and will share commonly recommended safety measures for handling, packaging, and transporting suspected fentanyl. An update on any emerging drug trends or issues will also be provided, as well as time for participant questions regarding the covered topics, or others that may be of interest to their specific jurisdictions.

## Understanding ACE-V Workshop

**Presented by Dwane S. Hilderbrand, M.Ed., CLPE, CFWE** (Forensic ITC Services, LLC)

This lecture is designed to present an open discussion and debate on ACE-V. What is ACE-V? How does it really work? Is it just for friction ridge examiners? Does anyone really care? If you were on the witness stand and asked to explain ACE-V to the jury, what would you say?

Current literature, training and even court cases cite ACE-V as using the scientific method in the comparison and identification of friction ridge impressions. Can it also be used in other comparative sciences? Isn't ACE-V the process, procedure, and method we use to compare and identify things? Can it be used to describe any type of comparison?

The lecture will open the floor for discussion on what is No Value, Value, Lack of Detail, and what is or makes an identification. What are subjective and objective opinions? And the big one - how will a Defense attorney attack it.

**Workshop is limited to 25 attendees.**

## Kelsey Miller Homicide

**Presented by Cpt. Jon Sundermeier and Ofc. Ben Miller** (Lincoln Police Department)

Kelsey Miller refused to shoot her husband Kevin when he asked her to early Thanksgiving morning so he hit her with a baseball bat and shot her three times. He then cut up her body up in the shower of their mobile home, and stowed the pieces in his Suburban until he could get into the storage unit he asked a friend to rent. Her dismembered body was discovered in the storage unit on December 1, 2014, stowed in 5-gallon buckets, and 30-gallon totes. She was identified by her tattoos.

## Documentation, Collection, and Preservation of Footwear and Tire Track Evidence Workshop

**Presented by Dwane S. Hilderbrand, M.Ed., CLPE, CFWE** (Forensic ITC Services, LLC)

This workshop is designed to present a series of interactive lectures using PowerPoint, Adobe Photoshop, and various other software programs. It will provide an overview with both lecture and hands on exercises of the proper methods and techniques of documenting, collecting and preserving footwear/tire tread impression evidence. There will be discussions of the relationship between the crime scene, the evidence and why this evidence is often overlooked. Numerous practical exercises are utilized and implemented to emphasize and critique the skills of the students to properly perform this level of examination in footwear and tire track science.

**While the instructor will have all of the below listed items for demonstration purposes, it is essential for the attendee to bring AS MANY of these items AS POSSIBLE, in order to gain the full benefit of the hands-on practical.**

**Items required/strongly recommended for this workshop include: Digital camera (at least 8 megapixel) with manual override; 52-55mm lens; tripod; detachable flash; flash cord; shutter release cord or self timer; 25 ft tape measure; level finger; golf ball markers; labels; device for blocking ambient light.**

**Workshop is limited to 20 attendees.**

### Questioned Document Linking Five Homicides

**Presented by Gary Licht, MS, DABFDE** (Iowa DCI Crime Laboratory, Ankeny IA)

In 1993, a federal witness, his girlfriend and her two young daughters, and another potential federal witness went missing. In 1996, a poor quality copy of a permit to acquire a handgun was submitted for comparisons of the handwritten information and signature to the known writings of a defendant. In 1997, following the arrest of one defendant, a deteriorated scrap of paper was submitted to attempt to make the handwriting more readable. The note contained names and phone numbers of federal witnesses. The second defendant was arrested in 2000. He later confided in two other inmates about her involvement in the five murders. One of the inmates later provided five scraps of paper, bearing very faint pencil writing. The notes provided information about the five murders, and two maps to where the bodies were buried. This presentation will cover document evidence associated with the drug manufacturing, purchase of a handgun, conspiracy to destroy evidence and the state crime lab, to kill law enforcement officers and others in the judicial system, other witnesses, and the eventual information about the five murders and the location of the bodies. It will reinforce the knowledge that a broad spectrum approach to the use of forensic disciplines gives the greatest chance of success in developing physical evidence which can either corroborate or refute witness statements.

### Mental Health: Risks of Working in Law Enforcement and Effects on Family

**Presented by Arthur Ortiz MA, CPC LMHP** (Licensed Independent Mental Health Practitioner)

Trauma and PTSD not only affects the first responder, but it also affects their families causing mental health issues, marriage issues, and substance abuse issues. During the course of this presentation, you will learn about the trauma in the first responder, and also how families have shared trauma and PTSD, as well as how they can develop healthy coping mechanisms for self-care, and the ability to give support to the first responder.

### Police Service Dog / Drug Dog Explained!

**Presented by Lt. Gordon Downing** (Nebraska State Patrol - PSD)

This class will provide an explanation of the Police Service Dog Division of the Nebraska State Patrol, dog selection, origination, general lifestyle, training methodology, deployment abilities, and current trends. The lecture will be followed by a K-9 demonstration and question and answer session.

### Basic Courtroom Testimony: What Does the Defense Really Want?

**Presented by Dwane S. Hilderbrand, M.Ed., CLPE, CFWE** (Forensic ITC Services, LLC)

The lecture is designed after years of research and study through interviews and personal meetings with those that we testify in front of. The perception of jurors, judges, and attorneys ... including defense attorneys... on the how and what they expected from an expert witness was studied. So, let's talk about what the defense wants.

### Examination of Simultaneous Impressions Workshop

**Presented by John P. Black, CLPE, CFWE, CSCSA** (Black & White Forensics, LLC)

The workshop is designed for examiners who want to learn more about the use of simultaneous impressions in the identification process. Research will be presented from the United States and Europe along with the SWGFAST standard on this topic. Participants will have the opportunity to create a personal reference catalog of simultaneous impressions according to ground truth conditions. Participants will also conduct comparisons and attempt to make identifications in the aggregate.

**Please bring a fingerprint magnifier to class!**

**Workshop is limited to 25 attendees.**

## Basic Crime Scene Photography Using ALS and IR Workshop

**Presented by Inv. Stacie Lundgren** (Nebraska State Patrol)

This workshop is intended to be an introductory course for those new to basic crime scene photography (CSP), and as a good refresher for those who are more experienced in CSP. It will cover basic recommended equipment for a department including the use of Alternate Light Source (ALS) and Infrared (IR) when searching for, documenting and collecting evidence, using timed exposures, and painting with light techniques for low-light or difficult lighting conditions. It will also cover photographing fingerprint or trace evidence on glass or other hard to photograph surfaces. Participants are encouraged to bring their issued equipment (even if all they have is a point-and-shoot camera), and try the techniques in a controlled training environment.

**Workshop is limited to 20 attendees.**

## John Joubert: Serial Killer

**Presented by John Kucer**

(Sarpy County Sheriff's Office, Retired Captain)

John Joubert IV was born on July 2, 1963 in Lawrence, Mass., but moved with his mother to Portland, Maine, after his parents divorced. He had an IQ of 123, was an Eagle Scout, and, like one his victims, had a paper route. Fantasies of violence and cannibalism erupted when he was very young. At just 6, around the time his parents' marriage unraveled, he said he had dreamed of strangling his baby-sitter and eating her body. He would later say that these horrific musings were provoked by seeing his father try to strangle his mother. Violence did not remain trapped in his imagination for long. In December 1979, he stabbed a 6-year-old girl with a pencil as he pedaled past her on his bicycle. Similar attacks started happening in areas near Portland, but the assailant was never caught.

John Jubert IV was an American serial killer convicted of the murder of three boys in Maine and Nebraska. He was executed in Lincoln, NE on July 17, 1996.

## 3D Scanners and Their Use at Crime Scenes

**Presented by William Henningsen** (Omaha Police Department)

With the growing availability of spatial data, public safety agencies have increasingly begun to rely on **scene mapping** and data analysis for security in pre-event planning and documentation as well as for preventing and solving **crime**. **Leica** Geosystems **3D** laser scanner at a homicide scene provides a powerful demonstration of the **forensic** tool's superiority over traditional methods of **crime scene mapping**. It rapidly captures and measures everything in a scene, not just what may be considered important at the time. The workshop will demonstrate the capabilities of the system, and will give you a hands-on opportunity to learn about it. Attendees are encouraged to bring their laptops, capable of downloading the Leica software. More specific system requirements will be provided to those registered for the workshop.

**Workshop is limited to 16 attendees.**