

**POLICE SECURITY EXPO SHOW GUIDE > PAGE 39**

# P&SN

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MAY/JUNE 2017  
VOLUME 33 ISSUE 3

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# P&SN

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Serving Law Enforcement & Homeland Security



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Many law enforcement officers utilize smaller, easier to conceal handguns for off duty carry, backup and general self-defense.





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...AND  
NOTHING BUT  
THE TRUTH

# Duty-Bound

Ramesh Nyberg

I'm sure you've seen the news stories over the last five to ten years about some soldier or airman who refused to be deployed for combat – this in an all-volunteer military. So, you join the military, train to use weapons, train for combat and, then, when your country tells you to go use your skills, you say you're morally opposed.

I missed Vietnam by a couple of years. I worked with guys who were there. You might be one. They despised the “conscientious objectors” who fled for Canada and points beyond to avoid the draft in



those days. They saw some of their buddies get butchered in war – some themselves came back with one leg, or none – and then had to face derision from the

very cowards who wouldn't go and fight when they were called to do so. There's no draft now, so if you don't want to fight, why join up?

*Continued on page 8*

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—Eric Schoonover, Officer,  
Beloit, WI, Police Department

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- CURRENT SPEED	37 MPH
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My stepdaughter knows a history teacher at her school who refuses to teach certain segments of world history because they disturb her so much. Why, oh why, become a history teacher then? Why would any of us in law enforcement endure the academy and everything else and then be opposed to arresting people for laws we don't believe in?

Recently, here in the state of Florida, a prominent state prosecutor refused to pursue the death penalty in the case of an Orlando police officer who was murdered. I won't go into the case itself, because – as horrible as it is for any of us to hear of a murdered police officer – the case itself is irrelevant to the point I want to make. The point, folks, is about a concept which “progressives” are trying to destroy: *duty*. I could go into a whole litany of reasons why I think they want to destroy duty (and appropriateness and dignity and other old-world ideas which made our world sane and worth growing up in). Perhaps, it is because duty is not always easy. Duty is something you do – and have *agreed* to do – regardless of what your personal feelings are. We do it all of the time. Judges and lawyers make decisions every day – opinions and arguments about the laws which affect all of us – *contrary* to their personal beliefs, religions and convictions. Why? It's their JOB.

If you take an oath, as Chief State Attorney Aramis Ayala did, to uphold the law, then you have a duty to do just that. If you decide not to uphold the law because of personal beliefs, then you went back on your promise; you *lied* to the public. Had Aramis Ayala presented the aggravating and mitigating factors in this case to the public in a convincing and lawyerly manner, showing that the mitigating factors outweighed the aggravating, and deferred to pursue a life sentence instead of death, then fine, I have no argument. But, instead, she said she would “never” pursue a death penalty on any case and, for the Chief State Attorney of a large judicial district, that is reprehensible. I spent 27 years of my life making sure I fulfilled a duty to the public, so this kind of rubs me the wrong way.

The “never” part of her many quotes (you can find them all over Google) about this topic poked more than just this old retired homicide guy. Pam Bondi, the State Attorney General for Florida, was as blunt and direct as she could be, calling Ayala's announcement a “blatant neglect of duty.” (OMG, there's that “D” word again! Where's my safe space?!)

University of Florida law professor and former prosecutor George R. Dekle,

## Law Enforcement Cautions Against New Social Media App

**NEWS**

A new smartphone application has law enforcement concerned about sexual predators gaining access to children's private information. In a matter of minutes, anyone – including sexual predators – can get on the Live.me application and watch videos of people near them and gather information the user provides. From Facebook to Instagram to Twitter, there are now so many different ways people can “go live” on social media. The one big difference with this app is that anyone can watch and record you and there is not an age restriction. The app also gives users the ability to search for streaming videos for people located near them

Sr. was kinder, but left no ambiguity about how he saw Ayala's state of mind. “I think any time anybody facing any kind of charging decision says ‘never,’ then they are not thinking too clearly.”

Ah, George, I disagree. You see, the cynic in me says that Aramis Ayala was thinking *very* clearly. She is not a stupid person. She went to law school and had enough creds to run for public office. She became the first black elected prosecutor in the state of Florida, a statistic which could not have been completely lost on her and her supporters. Who knows what has been going on in her private life or what plans she was concocting for the future, but she knew full well that doing anything controversial will bring... (wait for it)...publicity!

How many times have we seen it? Everyone involved in the OJ Simpson case – prosecutors, defense attorneys, witnesses, the judge – became famous. The amazing part of that is they would have been famous regardless of the outcome because the case itself, the defendant and all of the sensationalism which followed predetermined the outcome: Guilty or not guilty, everyone will have books, lectures and a place in the criminal justice hall of fame.

You think Aramis Ayala didn't think of this? Let's see...I refuse to pursue the death penalty because of *personal* belief, not evidence, and what happens? Lights, camera, action! That's what happens. Off I go into private practice, with a huge leg up on the competition: Everyone knows my name.

After Pam Bondi slammed her, Florida Governor Rick Scott asked Ayala to recuse herself from the case and she re-

fused to do so. Scott then issued an executive order, removing Ayala from the case. Of course, he was showered with criticism by the ACLU and the NAACP.

“My God, this is a dangerous precedent,” moaned Howard Simon, the ACLU's Executive Director. “Whenever the governor doesn't like the exercise of prosecutorial decision by an elected prosecutor, he's going to step in and appoint somebody else?”

Actually, Howard, no elected official in Florida, to my recollection, has so blatantly refused to follow the rule of law.

Adora Obi Nweze, the President of the Florida Conference of the NAACP, said that “a powerful symbol of racial injustice has now been discarded in Orange County.” Jumping to conclusions just a bit, aren't we, Adora? Oh, and for the record, the victim in this case, who was shot four times, is an African-American female. So, are you for or against prosecuting death cases in which African-American females are the innocent dead victims?

I'll tell you what's a dangerous, horrific and society threatening precedent: forgetting your sense of duty in trade for your own greed, amateurishly cloaked in a righteous cause.

Make a choice and stand by it. If you're a vegan, don't go to work at a steakhouse and then start complaining.

*Lights, camera, action!* Aramis Ayala, we see right through you. **P&SN**

*Ramesh Nyberg retired from law enforcement in November 2006 after 27 years in police work. He now owns his own private investigation agency, Nyberg Security and Investigations, and can be reached at [Ramesh@NybergPi.com](mailto:Ramesh@NybergPi.com). He enjoys getting feedback from readers.*



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### New Chase™ Dash and Deck Light

Code 3's new multicolor **Chase** dash and deck light combines functionality and safety with its adjustable visor and dual switch control. The adjustable visor prevents flashback into the vehicle and is easily manipulated to fit any vehicle's contour. The dual switch control allows users to swiftly switch through light patterns and easily turn it on and off.

The **Chase** can be plugged into a 12 volt power point or hardwired, and has a universal design which fits inside the front, rear and side windows of any emergency response vehicle. The unit comes with four suction cup mounts and is constructed of aluminum housing with a heat-resistant polycarbonate lens. All models are 2.25" high, 7.75" long and 4.5" deep.

**Circle 3006 for More Information**



### New Gun Rack features Smartlock Technology

The new **ZRT Gun Rack with Smartlock Technology** is now available from Jotto Desk. Designed for both shotguns and AR-style rifles, it has been engineered to eliminate hot-wiring with 12 volt batteries. After months of extensive testing, the **ZRT** also features an exclusive zinc lock head design which deforms instead of breaking, even after repeated attacks. The mount secures either single or double weapons and features both adjustable locks and base mounts. Silicone inserts in the lock heads protect weapons from both scratches and damage. This new security device can be mounted vertically, horizontally, or in any location imaginable.

**Circle 3008 for More Information**

### New TruckVault Lift System

The **Spare Access Lift System** allows for a full-sized TruckVault to be raised on a reinforced hydraulic lift to gain access to a spare tire. By loosening the handles on both sides and then sliding the vault out to its fully extended position, built-in air assist cylinders will help offset the weight to allow you to lift the TruckVault upward.



**Circle 3009 for More Information**

### New Lights from Whelen Engineering



The newly designed, low profile **Inner Edge® FST™** and **RST™ Series** better utilizes vehicle contours, providing higher visibility. Whelen's all new patent pending **Helios™** Optic silicone technology increases clarity and has the power to punch through tints. The **Inner Edge FST** and **RST Series** is available with **SOLO™**, **DUO™**, or **TRIO™** technology.

**Circle 3010 for More Information**



### New Red Light Option on 400 Series Compartment Light

Code 3's new dual color **400 Series** compartment light incorporates red and white lighting to increase first responders' safety and ability to function at night. When used at night, the red light reduces eyestrain and provides users with clear visibility of documents, controls, and gear within the vehicle. The compact, low profile design allows for easy installation in a variety of interior locations including roofs, side panels and back panels.

The **400 Series** models are available in red/white or white only. Each model is available in three different lengths: 5.4 inches, 11.8 inches and 17.7 inches.

**Circle 3007 for More Information**

### New Elevated TruckVault

In order to maintain access to the spare tire, TruckVault has designed the **Elevated TruckVault** which raises the TruckVault up and allows the spare tire to be pulled out from underneath. Powder coated steel brackets secure directly to factory locations for a secure install. Simply flip up the factory floor panel (or the included replacement panel on some models) to gain direct access to the spare.



**Circle 3011 for More Information**

### New Dash Mounts

Designed for the Ford FPI-U, the **ODM-FPI-U** on-dash mounting solution, from Lund Industries, mounts to factory points on the dash for easy installation. Made of powder coated steel and aluminum, it has a lockable 90° tilt and 60° swivel, allowing quick access to the controls and a Vesa mounting plate which accepts a variety of tablets, docking stations and monitors. A locking pull pin secures the display for driver's side viewing and built-in roll adjustment allows for leveling of the display. Another model with the same features will be introduced in June for the Ford FPI-S.



**Circle 3012 for More Information**



## The “Next Generation” in Center Pull Seat Belt System Design

Setina's new **“SmartBelt” System** is the latest technology in Center Pull Seat Belt design. **SmartBelt's** electronic seat belt retractor system eliminates the officer's need to manually actuate the locking mechanism to activate the restraint mode. **SmartBelt** allows the officer to simply situate the passenger and buckle. The retractors automatically sense when to lock to secure the detainee. The **SmartBelt System** comes with a safety alert signaling system, alerting the officer if the retractor is out of restraint mode.

Its features include an automatic electronic locking system; a retractor locking mode signal light; stays in lock mode, even during a power loss; FVMSS approved components; quick, easy installation; compatible with replacement, cover style or factory seats; and a retrofit kit is available.



**Circle 3013 for More Information**



## New Touch Screen Display

Havis Inc. has introduced a **new lightweight touch screen display (TSD-101)** which mounts directly to a vehicle's dash panel. The new space-saving display functions as an external monitor, providing the option of docking and mounting computing devices elsewhere like the trunk to maximize space and create a comfortable work environment. It features an anti-glare screen and a red monochrome night mode designed to minimize eyestrain; a screen size of 11.6" length x 8.5" width x 1.4" depth; a high resolution of 1366 x 768 pixels; and a total weight of 2.2 lbs. A friction-based hinge on the new mount series creates a rapid tilt swivel and rotation motion for a range of left, right, portrait to landscape and upward adjustments, allowing users to lift the touch screen display.

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# Departmental Culture What's Yours Like?

Rest assured that your officers are being watched and talked about by the public – both positively and negatively.

Michael Carpenter

## PROFESSIONALISM

**Y**our police department is unique. It differs in many ways from other departments – whether it's the municipal agency next to yours or the county sheriff's department with which you share a common border. Of course, there may

be obvious differences in size, budget, structure, etc., but I think, more importantly, what makes your agency unique is how you provide service to the people in your area. There are more than 15,000 police departments in the United States and,

even though they all perform the same basic function ("to protect and serve"), each agency is unique because they protect and serve a unique population in a unique way. This is important because, as a result of this, your department develops an attitude or an approach to how they protect and serve. We call this your "department culture."

Whenever I'm hired by an agency for a consulting service, I always try to arrive a day early. Once I'm settled at my hotel, I get out and take a walk or a ride around the community to get a feel for the area and to see how "to protect and serve" is done by that particular agency. For example, I usually try to seek out one or more police officers who might be on foot patrol or in a squad car and simply ask for directions back to my hotel. Those brief encounters may tell me a great deal about the "culture" of that department. These encounters may sometimes indicate whether I will be working with a progressive, citizen oriented police force or if I'll be working with a closed and often outwardly negative agency which sometimes overtly projects an "us versus them" attitude.

The following is a list of five components which I consider to be primary in evaluating a police department's "culture." The culture of a department, good or bad, is generally a direct result of the culture of its leadership. We all know that "stuff" rolls downhill and, when it comes to attitude and professionalism, that rolls downhill, too. How does your agency stack up?

## BODY LANGUAGE



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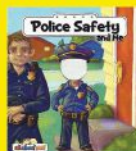
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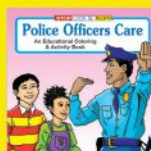
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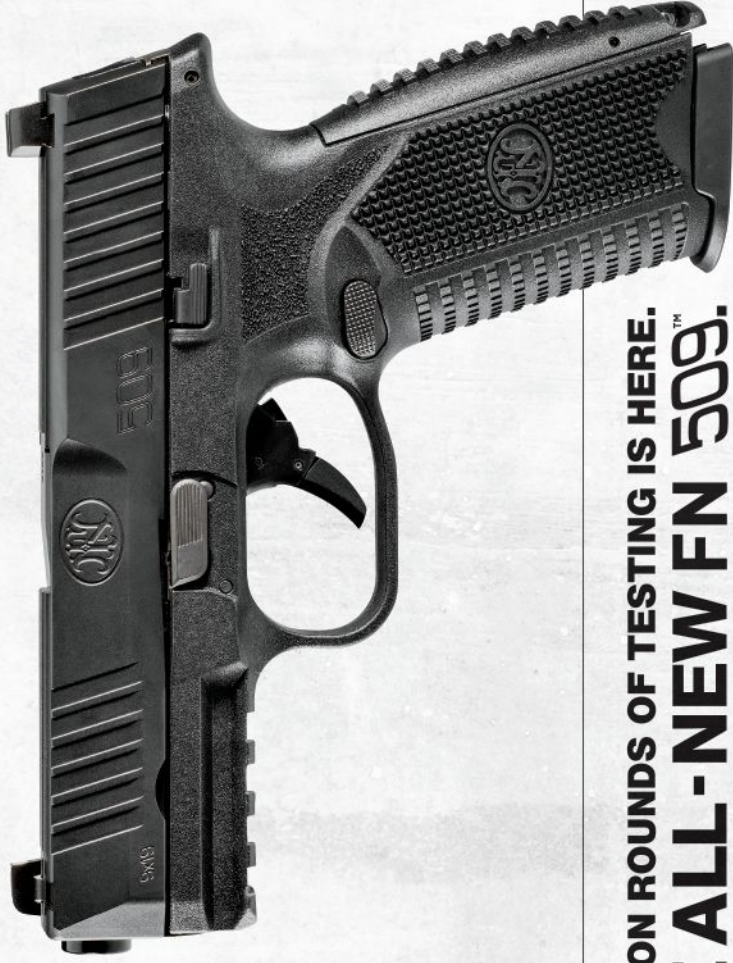
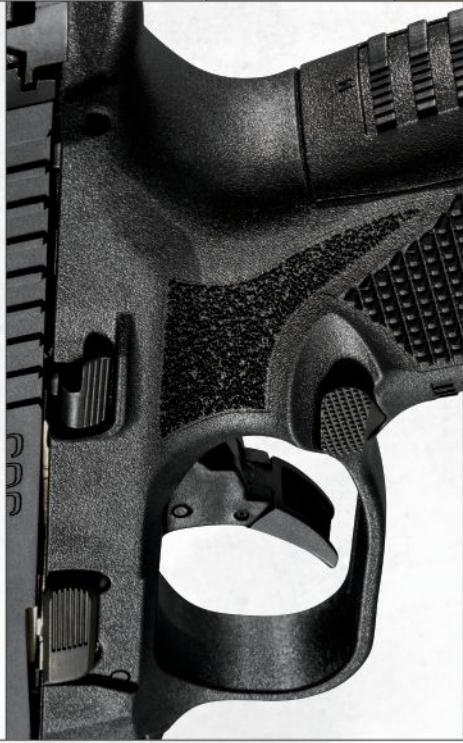
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Continued on page 14





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## Attitude

When a citizen approaches a police officer with a simple request or a question, what are your officers' attitudes? Are they approachable and interested in helping their "customers" or does their body language deliver a "Don't bother me" message to citizens? Customers should normally be treated with respect and with an open and friendly attitude. When your officers are approached, are they friendly or do they act as if giving directions or answering simple questions are not a part of their job description?

How far is an officer willing to go to assist a stranger trying to get back to his hotel? "You're only a little lost, but no problem. Follow me in your car and I'll get you back to your hotel," is a great way to impress a stranger. But, I've also heard, "What do I look like – the Chamber of Commerce?" or a vague "Head over in that direction – you can't miss it" or even "Gee, I don't know where that hotel is. I can't help you." And, the one which really got me annoyed was "Ya' know, there are apps for your phone which can give you directions."

What would your officers say and do to help a citizen who was lost? Are you sure?

## Appearance

From the way officers present themselves, to the appearance and condition of their vehicles, to first impressions when walking into a police station, the appearance a police department projects to the public speaks volumes. Some tipoffs to me include dirty and dinged up patrol cars and sloppy or unkempt officers. When two or more officers are together, are they dressed alike and do they project a positive appearance?

The police department also tells me a great deal. It's true that politicians control budgets and that every agency can't have a brand-new multimillion dollar facility, but, sometimes, it's the little things, like seeing litter on the floor of the lobby or having a neat and orderly dispatch area (especially if the public can see it from the lobby), that project an image of caring or not caring. Some of your officers might say that cleaning up a messy lobby which has overflowing trash cans and brochures scattered all over is the job of the janitor. Well, keeping a clean and orderly "house" is everyone's job.

When a police officer walks into a messy house on a complaint, they sometimes think that the occupants don't care

and they may think, "How can they live like that?" Well, what do customers think when they walk into an agency which is messy or see a police officer who looks like a slob? If the police leadership can't keep their officers looking good or can't arrange for the proper cleaning of their own building, can you really trust them to clean up entire neighborhoods?

## Conduct

Police officers generally work with little direct supervision. They travel throughout the community, interacting with all types of people. To be effective, they need to be disciplined in their words and actions.

How they interact with waitresses, clerks and each other while in the public eye is critical in assessing the "culture" which governs their conduct – good or bad. Their general language, conversation and general demeanor all reflect directly on the department. One of my former sergeants told us to stop in five businesses every day and spend at least five minutes in each of those businesses making small talk to the clerks or the owners or the customers. I was surprised how much positive feedback he and the



## 2017 NRA-Hosted Tuition-FREE Law Enforcement Schools

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The National Rifle Association's Law Enforcement Division, in conjunction with many leading law enforcement firearms manufacturers and premier industry shooting academies, will host the following complimentary armorer/shooting schools and seminars during the year.

All schools will be held at either the NRA Headquarters in Fairfax, VA, or at the Fairfax County Police Department's Firearms Training facility in Chantilly, VA, and are **tuition-free**. There are, obviously, a limited number of seats available, so officers are selected to attend by a **RANDOM DRAWING. Registration does not guarantee selection.**



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August 8, 2017.....	Benelli M Series Shotgun Armorer
August 15, 2017.....	Glock Pistol Armorer
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PACKAGE TO THE PUBLIC ON TIME  
AND EVERY TIME."

other bosses got from the public about this little simple assignment.

How are your people handling themselves when they are out of your view?

### Professionalism

Do your people look, act and perform like professional police officers? Do they project the image of well trained, educated and disciplined protectors of the public? Are they courteous and helpful to all citizens, from the homeless to the millionaires? Are they unbiased and nondiscriminatory in all of their actions and interactions with the public?

Professionalism is a package. Be sure that all of your people are delivering that package to the public on time and every time.

### Public Confidence

The few simple questions I ask police officers and citizens I encounter help me to gauge the level of public confidence in their police department. Another small gauge of the culture of a department I use is to walk into a drugstore or local corner grocery store and, as I make a small purchase, I'll randomly start talking to the clerk about the police department. It's amazing what people will tell me – a perfect stranger – about the attitudes, encounters and even the personal lives of their police officers.

Even when you discount the very nature of police work as sometimes legitimately coming in conflict with citizens, there should be a certain level of respect or trust by the public. Where there is no public confidence in the police, there can be no effective policing. And, a lack of public confidence is a direct reflection of the police leadership of a community.

My brief afternoon or evening encounters with random officers, random patrol cars, random citizens and random police department facilities are far from scientific. My brief interviews with a few randomly selected citizens or police personnel are also not scientific. But, the impression of the police department I have at the end of the evening when I "unofficially" meet the random officer or talk to the random citizen on the street is usually the same impression I get when I "officially" meet staff the next morning. Those officers' attitudes, appearance, conduct and professionalism nearly always reflect the department's "culture" and leadership – good or bad.

How would your "departmental culture" stack up if I arrived in your community a day early? **P&SN**

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## Retired News Reporter Develops Algorithm to Try and Identify Serial Killers Using UCR Data

**NEWS**

In 2004, Thomas Hargrove, a 61-year-old retired news reporter from Virginia, became aware of the Federal Bureau of Investigation's Uniform Crime Reporting (UCR) Supplementary Homicide Report (<https://ucr.fbi.gov/>) and contemplated whether it was possible to teach a computer how to spot serial killers. He spent months trying to develop an algorithm which would identify unsolved cases with enough commonalities to suggest the same murderer. Hargrove eventually founded the Murder Accountability Project (MAP) (<http://murderdata.org/>), a small nonprofit seeking to make FBI murder data more widely and easily available.

MAP has already assembled case details on 638,454 homicides from 1980 through 2014, including 23,219 cases which had not been reported to the FBI. This is the most complete list of case-level details of U.S. murders available anywhere and the group's Web site has made it available at no cost to anyone with statistical analysis software.

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# PRODUCT HIGHLIGHT



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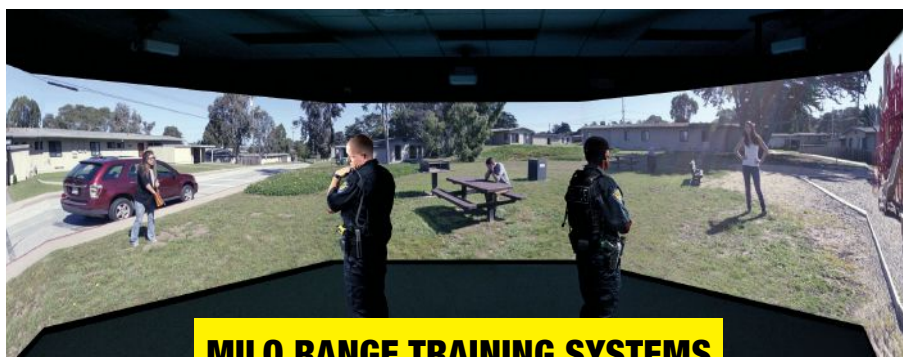
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MILO Range React! is an instructor controlled distraction/haptic feedback device worn by the trainee during scenario training events. An instructor can wirelessly trigger trainee-worn devices which will disrupt and distract them (via flashing bulbs, piercing noise, haptic feedback sensations on the skin, etc.) during complex scenario training events to increase focus and to minimize distraction-driven mistakes.

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# NEWS

## Department of Justice Releases Promising Policing Strategies to Engage Communities of Color

New toolkit presents practical strategies based on feedback from community members and law enforcement practitioners

The Department of Justice's Office of Community Oriented Policing Services (COPS Office) in partnership with the International Association of Chiefs of Police (IACP) announced the release of a new toolkit which provides resources to help build relationships of trust between law enforcement agencies and communities of color.

Bridging the Trust Gap Between Law Enforcement and Communities of Color Toolkit identifies challenges which often plague law enforcement and communities of color, while offering proven strategies for success in overcoming those challenges and developing communities of trust.

"As this nation continues to grapple with strained relations between law enforcement and communities of color, this toolkit is not only timely but also necessary," said COPS Office Acting Director Russ Washington. "Developed out of the feedback of community stakeholders, law enforcement executives and frontline officers, this body of work provides practical and tangible strategies to help law enforcement officers build and maintain trust with the diverse communities they serve."

The online toolkit is intended to be a resource for officers at all levels – from patrol officers to law enforcement executives – and to community members seeking guidance on ways to engage their local law enforcement. It is organized into four sections:

- **Policing for Progress:** Examples of initiatives championed by law enforcement agencies in an effort to build and maintain community trust;
- **Steps to Building Trust:** Concrete steps for executive and command level officers, frontline officers and community stakeholders to promote communication, partnership and trust;
- **Sample Community Surveys:** Law enforcement driven questionnaires to determine the condition of the community, evaluate future needs and collect information about the public's perception of law enforcement; and
- **IACP and COPS Office Resources:** Guides, reports and other tools.

Bridging the Trust Gap Between Law Enforcement and Communities of Color Toolkit is available online at [www.theiacp.org/CommunitiesOfColor](http://www.theiacp.org/CommunitiesOfColor).

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# LEGAL UPDATE

## DEADLY FORCE: AN OFFICER'S FAILURE TO SHOUT A WARNING

In its first decision of 2017, the U.S. Supreme Court renders a determination regarding qualified immunity in a police shooting case

Larry E. Holtz, Esq.

**R**ecently, in *White v. Pauly*, 137 S.Ct. 548 (2017), the United States Supreme Court addressed “the situation of an officer who – having arrived late at an ongoing police action and having witnessed shots being fired by one of several individuals in a house surrounded by other officers – shoots and kills an armed occupant of the house without

first giving a warning.”

**The Facts:** Daniel Pauly was involved in a “road rage incident on a highway near Santa Fe, New Mexico. It was in the evening and it was raining. The two women involved called 911 to report Daniel as a ‘drunk driver’ who was ‘swerving all crazy.’” The two women then followed Daniel down the highway,

close behind him with their bright lights on. “Daniel, feeling threatened, pulled his truck over at an off ramp to confront them. After a brief, nonviolent encounter, Daniel drove a short distance to a secluded house where he lived with his brother, Samuel Pauly.”

Sometime between 9:00 p.m. and 10:00 p.m., Officer Truesdale was dis-

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patched to respond to the women's 911 call. Truesdale interviewed the two women at the off ramp. The women told the officer that Daniel had been driving recklessly and provided his license plate number. The police dispatcher identified the plate as being registered to the Pauly brothers' address.

"After the women left, Officer Truesdale was joined at the off ramp by Officers Ray White and Michael Mariscal. The three agreed there was insufficient probable cause to arrest Daniel. Still, the officers decided to speak with Daniel to (1) get his side of the story, (2) 'make sure nothing else happened,' and (3) find out if he was intoxicated. The officers split up. White stayed at the off ramp in case Daniel returned. Truesdale and Mariscal drove in separate patrol cars to the Pauly brothers' address, less than a half mile away."

When Officers Mariscal and Truesdale arrived at the address, they noticed the lights on in the house and "approached it in a covert manner to maintain officer safety. Both used their flashlights in an intermittent manner." Upon reaching the house, the officers noticed Daniel's truck and spotted two men moving around inside the home. Truesdale and Mariscal then radioed Officer White, who left the

off ramp to join them.

"At approximately 11:00 p.m., the Pauly brothers became aware of the officers' presence and yelled out 'Who are you?' and 'What do you want?' In response, Officers Mariscal and Truesdale laughed and responded, 'Hey, [expletive], we got you surrounded. Come out or we're coming in.' Truesdale shouted once, 'Open the door, state police, open the door.' Mariscal also yelled, 'Open the door, open the door.'"

The Pauly brothers heard someone yelling, "We're coming in," but claim that they did not hear the officers identify themselves as state police. The brothers armed themselves, Samuel with a handgun and Daniel with a shotgun. "One of the brothers yelled at the police officers that 'We have guns.' The officers saw someone run to the back of the house, so Officer Truesdale positioned himself behind the house and shouted, 'Open the door, come outside.'"

When Officer White arrived on the scene, he heard shouting coming from the house. "He half jogged, half walked to the Paulys' house, arriving just as one of the brothers said, 'We have guns.' When White heard that statement, he drew his gun and took cover behind a stone wall


**"Clearly established federal law does not prohibit a reasonable officer who arrives late to an ongoing police action in circumstances like this from assuming that proper procedures, such as officer identification, have already been followed."**

50 feet from the front of the house. Officer Mariscal took cover behind a pickup truck."

Seconds after the "We have guns" statement, "Daniel stepped part way out of the back door and fired two shotgun blasts while screaming loudly. A few seconds after those shots, Samuel opened the front window and pointed a handgun in Officer White's direction. Officer Mariscal fired immediately at Samuel, but missed. 'Four to five seconds' later, White shot and killed Samuel."

Samuel's estate and Daniel sued the officers, claiming that the officers were liable under 42 U.S.C. §1983 for violating Samuel's Fourth Amendment right to be free from excessive force. All three officers moved for summary judgment on qualified immunity grounds.

On appeal from a denial of qualified immunity, the Tenth Circuit Court of Appeals determined that a reasonable officer in



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## LEGAL UPDATE

Continued from page 21

White's position would have believed that a warning was required despite the threat of serious harm, and that such requirement was "clearly established at the time of Samuel's death. According to that court, "a reasonable officer in White's position would have known that, since the Paulys could not have shot him unless he moved from his position behind a stone wall, he could not have used deadly force without first warning Samuel Pauly to drop his weapon." *The United States Supreme Court disagreed*, holding that "Officer White did not violate clearly established law."

**The Law:** "Qualified immunity attaches when an official's conduct 'does not violate clearly established statutory or constitutional rights of which a reasonable person would have known.' " While the United States Supreme Court's case law does not require a case "directly on point" for a right to be clearly established, "existing precedent must have placed the statutory or constitutional question beyond debate." Stated another way, "immunity protects all but the plainly incompetent or those who knowingly violate the law."

In the court below, the Tenth Circuit "misunderstood the 'clearly established' analysis: It failed to identify a case where an officer acting under similar circum-

stances as Officer White was held to have violated the Fourth Amendment. Instead, the majority relied on *Graham v. Connor*, 109 S.Ct. 1865 (1989), and *Tennessee v. Garner*, 105 S.Ct. 1694 (1985), and their Court of Appeals progeny, which lay out excessive force principles at only a general level." But, "in the light of preexisting law, the unlawfulness must be apparent." Thus, *Garner* and *Graham* "do not by themselves create clearly established law outside an obvious case." Those cases simply stand for the general proposition that (1) "the reasonableness of an officer's use of force depends, in part, on whether the officer was in danger at the precise moment that he used force" and (2) "if the suspect threatens the officer with a weapon[,] deadly force may be used if necessary to prevent escape, and if, where feasible, some warning has been given."

According to the United States Supreme Court, this is "not a case where it [was] obvious that there was a violation of clearly established law under *Garner* and *Graham*." The court did not conclude that Officer White's conduct – such as his failure to shout a warning – constituted a run-of-the-mill Fourth Amendment violation. Indeed, it recognized that "this

case presents a unique set of facts and circumstances" in light of White's late arrival on the scene. This alone should have been an important indication that White's conduct did not violate a "clearly established" right. "*Clearly established federal law does not prohibit a reasonable officer who arrives late to an ongoing police action in circumstances like this from assuming that proper procedures, such as officer identification, have already been followed.* No settled Fourth Amendment principle requires that officer to second-guess the earlier steps already taken by his or her fellow officers in instances like the one White confronted here."

Accordingly, in the facts presented, "Officer White did not violate clearly established law." **P&SN**

*Larry E. Holtz has served as a Detective Sergeant with the Atlantic City, New Jersey, Police Department; a Deputy Attorney General for the state of New Jersey; and an Assistant County Prosecutor. Mr. Holtz is a certified police trainer and teaches on a regular basis. He is a member of the bar in New Jersey, Pennsylvania, and the District of Columbia and is admitted to practice before the federal bar in the District of New Jersey and the Third Circuit.*



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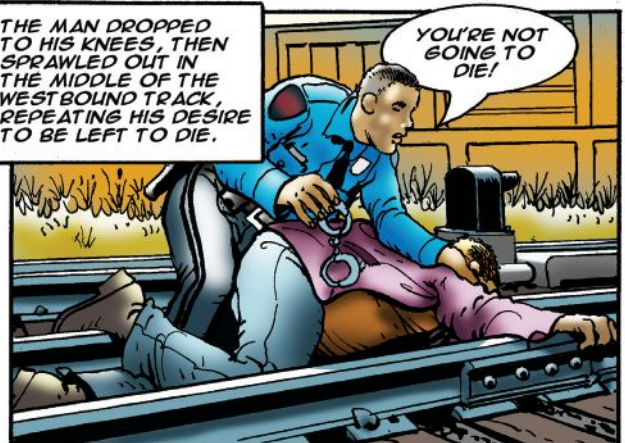


NEW JERSEY TRANSIT POLICE OFFICER VICTOR ORTIZ WAS JUST ENDING AN OVERNIGHT SHIFT AND WAS ABOUT TO CLOCK OUT WHEN HE RECEIVED REPORTS THAT A MAN HAD A CONFRONTATION ON THE TRAIN, EXITED, AND THEN JUMPED DOWN ON THE TRACK. ORTIZ CHALLENGED THE MAN AND PURSUED HIM.

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POLICE OFFICER VICTOR ORTIZ'S QUICK THINKING AND SELF-SACRIFICE THAT FRIDAY MORNING SAVED THE MAN WHO LATER APOLOGIZED TO ORTIZ FOR PUTTING THE OFFICER'S LIFE IN DANGER. THE MAN Faced CHARGES LATER. OFFICER ORTIZ SAID, "MY JOB IS TO PROTECT AND SERVE AND THIS WAS AN INCIDENT WHERE I NEEDED TO PROTECT."



THE END



## The First ICE Weekly Alien Criminal Releases List

# NEWS

As directed by executive order, Immigration and Customs Enforcement (ICE) has issued its first report (available at <http://tinyurl.com/mp8ow5r>) identifying jurisdictions which obstruct ICE efforts to arrest and deport alien criminals, as well as the volume and severity of crimes enumerated among the aliens identified. Jurisdictions with sanctuary and de facto sanctuary policies will not be able to hide from the public safety impact of denying ICE detainer requests and releasing alien criminals back into our communities.

The report states that ICE issued 3,083 detainers in the week beginning January 28, 2017. This number is approximately double the average weekly number of detainers issued by ICE in the last two years of the Obama administration. In contrast, in 2011, which was the peak year for interior criminal alien enforcement, when the Secure Communities program was nearing full implementation, ICE issued an average of 6,080 detainers per week, or double the current rate. This indicates that ICE has the capacity to further increase the level of enforcement activity, even without a great infusion of resources.

You can view the entire analysis at <http://tinyurl.com/mmmh98a> and the CIS sanctuary map at <http://cis.org/Sanctuary-Cities-Map>.

During the week covered by the report, ICE officers discovered 206 instances of declined detainers, by 46 different jails, located in 16 different states, in which criminal aliens were re-

leased. Of those, 142 came from Travis County, Texas (which includes Austin). The report covers only those instances in which it was discovered that a detainer had been rejected by a local jail – not all instances in which a detainer was rejected. In most cases listed in this report, ICE discovered that the detainer was rejected because the criminal alien was encountered by ICE after release from the jail.

Dan Cadman, a Center fellow and author of the analysis, writes, “If this is only a week’s worth of harm, how bad cumulatively will things look in six weeks? Six months? And, how many more victims will be harmed by recidivism of criminal aliens who will learn the important lesson from their release that local police would rather put them back onto the street to commit more crimes than to cooperate with the federal government?”

The report lists these aliens’ criminal convictions and charges which include aggravated assault, domestic violence, robbery, rape and sexual assault. The Philadelphia Police Department even released one individual who had been charged with homicide. Anti-enforcement advocacy groups and proponents of sanctuary policies frequently assert that being arrested for a minor traffic offense is likely to lead to detention and deportation by ICE, but only three of the 206 aliens released were listed as having a traffic offense, and one of those was a hit and run which is not a minor offense.

The Center’s sanctuary jurisdiction map and spreadsheet of the alien criminal release cases will be updated weekly.



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# THE WHEELS OF JUSTICE

## Weapon Mounting and Storage Solutions for Vehicles

Along with the rise in police assaults and terror threats, the theft of law enforcement weaponry has also risen.

Sergeant James Post

This article comes at a unique period in American history. Federal, state and local agencies are seemingly always at varied levels of heightened alert due to terrorist activities at home and abroad, while attacks on American Law Enforcement (LE) are simultaneously at an unprecedented high. Because of worldwide threats and the attacks on officers in our own homeland, American LE have found it necessary to arm themselves with more lethal firepower than ever before. During my 25 year career, I carried a .38 caliber revolver and six extra rounds. My squad car carried a 12-gauge shotgun with six rounds of .00 buck. Other than my baton and a can of Mace®, that was it. My field sergeant carried another 100 rounds of .38 and a box of .00. I felt a little safer when I was promoted to Field Sergeant because I now had the extra rounds!

In the years since then, American police have been involved in incidents which have made our streets look like combat zones – from shoot-outs with the SLA and the Black Panthers to the West LA bank robbery firefight to the recent cowardly assaults on officers in New York, Dallas, Kansas City – and we have been forced to arm our peacekeepers with better and more powerful firepower. The six-shot revolvers gave way to autoloaders of larger calibers and the shotguns were joined by military-style patrol rifles.

With the increase in the number and styles of LE firepower was born the need to adequately secure them. Many years ago, John Dillinger actually robbed police departments (at gunpoint) for their firearms and Clyde Barrow frequently broke into National Guard Armories for a constant supply of military arms and ammunition. Today's crooks have it a lot easier – all they have to do is break into a parked police car. We've seen thefts of weapons and other critical equipment from vehicles driven by police, sheriff's deputies, state troopers, and even the U.S. Secret Service.

It has become crucial that we properly secure weapons in LE vehicles. Of course, weapons should never be left in take-home vehicles parked at private residences, or even at agency facilities, for extended periods of time. But, it is also important to secure weapons in on duty vehicles anytime the vehicle is unoccupied.

This article will provide you with the latest solutions for secure weapon storage.

### Lock 'Em Up, Danno

No longer will Barney's single bullet in his pocket be considered adequate storage. Following, you will find the newest styles of both weapon racks and storage units, presented in alphabetical order by manufacturer.

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*Continued on page 28*



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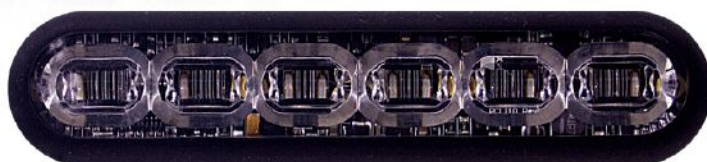
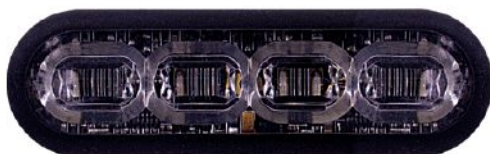


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## THE WHEELS OF JUSTICE

Continued from page 26

400 lb. weight tested drawer slides, carpet lined drawers, Simplex locks, top baskets, slide out work tables, and a matte black powder coating.



*The first ELS Series Gun Rack was available back in the early 1990s.*

**Big Sky Racks, Inc.**  
[bigsky racks.com](http://bigsky racks.com)

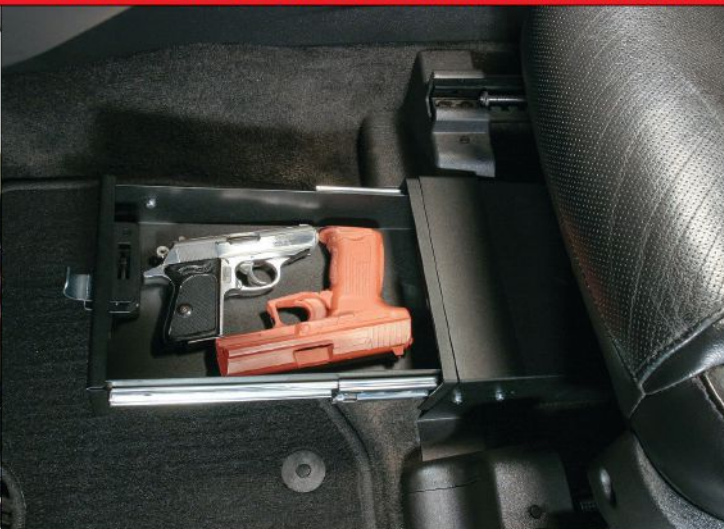
Big Sky Racks built their first ELS Series Gun Rack back in the early 1990s. Since then, their Electronic Locking System (ELS) has been used in all levels of law enforcement, and features a component design which provides users with concealment, ease of use and transferability from older vehicles to new. The unit features quality, durable steel construction which provides a variety of solid mounting options in all vehicles and protective components like anti-activation and pin guards on the rifle racks and trigger guards on the shotgun racks which offer protection from accidental discharge and deter theft.

*Continued on page 30*

## THEFT PROTECTION FOR SERIOUS GEAR

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Patent  
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## THE WHEELS OF JUSTICE

Continued from page 28



*The drawers on the Rapid Access Weapon Locker slide open automatically.*

### Estes AWS ([estesaws.com](http://estesaws.com))

Estes' Rapid Access Weapon Lockers open electronically, with no combination to remember, and the drawer slides open automatically which allows officers to retrieve their weapons quickly in a critical situation. Estes has weapon lockers for sedans (trunk mounted), SUVs and pickup trucks.

### Go Industries, Inc. ([goindustries.com](http://goindustries.com))

Safe Box for the Ford® Interceptor Utility allows access to the vehicle's spare tire while still providing ample storage. The Safe Box is a single level drawer with Accuride slides which can securely hold up to 350 lbs. of gear and weapons. It is constructed of 16-gauge steel and is made in the USA.



*The new Wide Body AR/ZRT Console allows you to secure your AR-15 out of sight.*

### Jotto Desk ([jottopublicsafety.com](http://jottopublicsafety.com))

Jotto Desk has new products designed specifically for secure weapon storage which address the existing problem of firearms being stolen out of vehicles, even though they were mounted in a gun rack. Their Wide Body AR/ZRT Console was designed for agencies which utilize LE package pickup trucks, such as county sheriffs and fish and game agencies. The console is constructed of 12-gauge steel and offers 20 inches of equipment mounting space, as well as concealed, secure storage for shotguns and AR rifles. The console looks like a typical equipment console with the weapon access via two barrel locks and the ZRT electronic lock head. The console is available for Ford, Chevrolet® and RAM pickups.

*Continued on page 32*

# TUFLOC®

**For A Tough World**

## TUFBOX SECURITY DRAWERS

**TufBox** locking drawer systems provide a way to safely secure guns, store equipment and organize belongings. Manufactured with heavy-duty steel, the TufBox is built to withstand the everyday demands that are expected of all Tufloc products. Available for all SUV's and cruisers.

### New - TufBox Security Drawer - Model 36-020

- The unit is 24" wide; half the width of Model 36-009 (as shown in photo)
- Solid, welded metal construction with powder-coated finish
- Available Locks: T-Handle, Premium T-Handle or Combination Lock with Key Override (shown)
- Accepts all TufBox accessories



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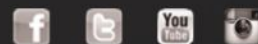
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## THE WHEELS OF JUSTICE

Continued from page 30



**Jotto's new ZRT Gun Rack features a zinc lock head design which deforms instead of breaking.**

The new ZRT Gun Rack with Smartlock Technology was designed for both shotguns and AR-style rifles and was engineered to eliminate hot-wiring with 12-volt batteries. After months of extensive testing, the ZRT also features an exclusive zinc lock head design which deforms instead of breaking, even after repeated attacks. The mount secures either single or double weapons and features both adjustable locks and base mounts. Silicone inserts in the lock heads protect weapons from both scratches and damage. This new security device can be mounted vertically, horizontally or in any location imaginable.

Jotto also has a solution for securing your officers' backup or off duty weapons. The NRA Handgun Holster can be mounted almost anywhere in a vehicle and is designed to fit most semi-automatic handguns with a "Locking Bale" design. It is made of steel and is lined with a silicone insert. It can also be used to secure a weapon at home.

Jotto's new Storage System for the 2016 and up Ford PI Utility can also be configured to include secure weapon storage and allows access to the vehicle spare tire. It can be customized to meet the customers' needs.



**The LOFT fits up near the headliner, up and out of your line of sight through the rearview mirror.**

**Lund Industries, Inc.**  
(lund-industries.com)

The patent pending LOFT is a multipurpose storage solution for the PI Utility and Chevy Tahoe. The LOFT fits in the unused space above the window line and up to the headliner in the rear area, up and out of the line of sight of the rearview mirror. A real plus is that the storage area it occupies does not take away from space generally used for gear and equipment. The LOFT also provides easy installation of side and rear facing emergency LEDs with an optional mounting kit. The LOFT-GV is designed for AR-15/M4 rifles equipped with standard collapsible stocks.

*Continued on page 34*

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## THE WHEELS OF JUSTICE

Continued from page 32



*The Pursuit Series, from OPS Public Safety, is a new line of interior storage systems for budget conscious agencies.*

### OPS PublicSafety ([opspublicsafety.com](http://opspublicsafety.com))

OPS Public Safety has introduced the new Pursuit Series cargo drawer for the Chevy Tahoe and Ford PI Utility, a new budget conscious, weapons and gear storage solution. It is built with lightweight aluminum and designed for easy installation with elevated mounts which allow quick access to the spare tire. It features 250 pound slides and industrial key locks and rubber matting are standard.

### Setina Manufacturing Co., Inc. ([setina.com](http://setina.com))

Setina's VaultLock Mounting System provides maximum security with the fully enclosed, one-piece shroud and lock design of their vehicle weapon mount. The mount is available



*One of the biggest advantages of the VaultLock system is its versatile design capabilities.*



*The "Strongbox" firearms and storage system accommodates two long guns, plus ammunition.*

with dual or single T-Rail Firearm Mounts; is made of aircraft-grade aluminum; and is designed to make a firearm's take-down pins, magazine and trigger inaccessible. It is also compatible with firearms accessories and is available with a universal lock.

Setina's Strongbox is a SUV rear cargo area storage system and weapons locker. Constructed of heavy aircraft aluminum, it will accommodate two weapons and ammunition in a sliding firearms drawer, along with two equipment storage drawers. The dual lock styles allow for additional weapons flexibility and the universal locking system allows maximum adjustability. It boasts an easy, no holes installation.

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**THE LOFT by Lund is a multipurpose storage solution for the Ford PI Utility and other SUVs. THE LOFT fits in the unused space above the window line and up to the headliner in the rear quarter of the vehicle.**



**LOFT-FPIU-GV**



**LOFT In Closed Position**



**FPIU-EC Electronics Tray**

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**THE LOFT-GV is designed for weapon storage and THE LOFT-EC provides for electronic equipment storage.**

**Lund Industries, Inc.**  
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847.714.9443 F  
[sales@lund-industries.com](mailto:sales@lund-industries.com)

**THE LOFT fits up near the headliner, out of your line of sight through the rearview mirror. It also provides easy installation of side and rear facing emergency LEDs.**

**Coming Soon for the Chevy Tahoe!**



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**Strike Guard Technology has been recently added to TruckVault's vehicle storage units.**

### TruckVault, Inc. (truckvault.com)

TruckVault has introduced Strike Guard Technology for their vehicle storage units. It has been added to reinforce the Push Button Key Override Kaba Lock. When locking the new system, the strike plate works in unison with the backer plate and primary structure of the unit to firmly lock the bolt and prevent bolt tampering and movement. Strike Guard is included with all Kaba locking modules.

### Tuffy Security Products (tuffyproducts.com/psn)

Tuffy's Security Drawer is a high security storage solution for handguns. It is a 16-gauge steel drawer which mounts under the driver's (or passenger's) seat in the Ford PI Sedans and Utilities.

The formfitting design features over 200 cubic inches of lockable storage with an exclusive ten tumbler, double bitted lock with built-in weather seals. The Pry-Guard Locking System features 1/8" thick welded steel components. Tuffy's exclusive bolt-blocker bracket is included for additional security and it is sealed to protect against weather and dust. In addition, the stealth, no drill installation is nearly invisible to bad guys looking in.



**Tuffy's Security Drawer offers stealth, along with no drill installation.**



**TufBox security drawers are available for all SUVs and cruisers.**

### TUFLOC® (tufloc.com)

Tufloc has two weapon solutions worthy looking at. Their TufBox Security Drawers provide a safe way to secure weapons and other equipment. The drawers are available for all LE SUVs and cruisers, and are constructed of solid, welded steel with a powder coated finish. There are three lock options available – T-Handle, Premium T-Handle or a Combination Lock with a Key Override.

Coming soon is Tufloc's new Gun Lock, an innovative design which features locking arms that automatically adjust for a secure, custom weapon fit when the gun is pressed into the lock. The design allows a quick, one-handed removal of the weapon via the electronic delay timer or the use of a key, and the locks are padded for both scratch/scuff protection and a rattle-free performance. It will accommodate most makes and models.



**Tufloc's new Gun Lock features locking arms which automatically adjust.**

### The Bottom Line

These weapon security options provide you with a variety of solutions in all price ranges. Weapons security and accessibility should be your primary concern when outfitting new vehicle purchases. Your officers' lives depend on it! **P&SN**

*Sergeant James Post appreciates your comments and suggestions for future articles. He may be reached at kopcars@arkansas.net.*



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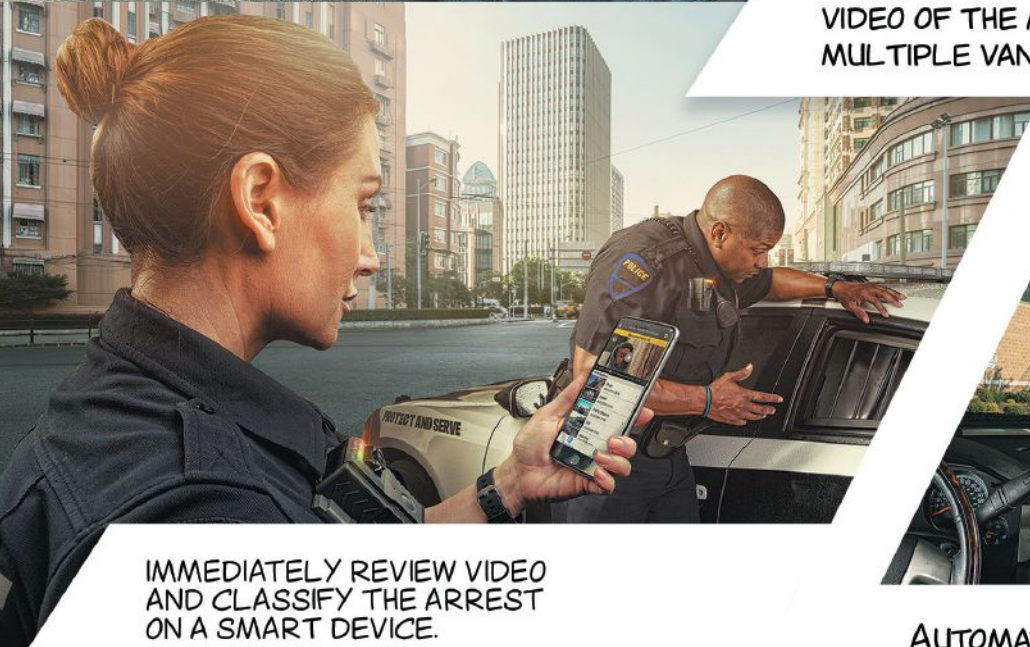
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# THE ARREST



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AUTOMATICALLY UPLOAD ALL VIDEO WHEN IN RANGE OF THE STATION WI-FI SIGNAL.

# THE REVIEW



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# 2017 POLICE SECURITY EXPO

## SHOW GUIDE

JUNE 27-28, 2017

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# POLICE SECURITY EXPO 2017

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NOTE: Exhibitor names and booth numbers are subject to change.



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*Exhibitor listings are as of date of publication.*

**NOTE: Exhibitor names and booth numbers are subject to change.**



# SEMINARS/PRODUCT DEMOS

Free Admission to All Expo Attendees (with PSE 2017 Expo Badge)

## Tuesday, June 27, 2017

Exhibits Open: 10:00 a.m. – 5:00 p.m.

**10:00 a.m. National Organization of Black Women in Law Enforcement (NOBWLE-Newark)**  
**Room #310** Association Meeting

**11:30 a.m. DVR Examiner Software**  
**Room #316** Demonstration of software to allow law enforcement and other forensic professionals to bypass DVR/CCTV passwords and archaic menus to quickly extract evidence from a DVR's hard drive directly.  
*Presenter: Jimmy Schroering (DME Forensics)*

**12:15 p.m. Opening Ceremonies**  
**Entranceway** (New Jersey State Association of Chiefs of Police)

**12:30 p.m. False Alarm and Permit/License Management Solutions**  
**Room #317** Discussion focusing on enforcing alarm ordinances, reducing false alarms and streamlining permit and license processing  
*Presenter: Alan Lee (Public Safety Corporation)*

**1:00 p.m. InstantEye Small Unmanned Aerial Systems**  
**Room #314** Review of their applicability towards providing critical information which can shorten decision cycles and reduce risk to officers and civilians alike  
*Presenter: Chris Pickett (InstantEye Robotics)*

**1:30 p.m. Lockdowns and Emergency Notification System; Maximizing Investments in Safety Technology**  
**Room #305** Understanding the components of developing a comprehensive plan for improving school safety, technology and communications between students and staff  
*Presenter: Paul Jenne (Eastern DataComm)*

**2:00 p.m. Scheduling Software/Mobile Apps for Public Safety, Law Enforcement and Security Departments**  
**Room #307** Demonstration on software and mobile apps for scheduling and managing shift rotations, tracking skills, certification and training for officers and staff. Learn how to reduce scheduling time, shift-swaps and overtime expenses through improved staff communication and resource management.  
*Presenter: Paul Baumgartner (Schedule Anywhere)*

**2:30 p.m. Many Police Agencies struggle to fully integrate Drones into their daily operations.**  
**Room #306** Learn the steps for implementing drones-gaining agency, government & community support, considering grant and funding options, choosing the right drone & legal, operational and resource considerations  
*Presenter: Sgt. Michael Uleski, flight school instructor specializing in emergency services government training (DARTdrones)*

**Note: Seminars and product demos subject to change.**

## Wednesday, June 28, 2017

Exhibits Open: 10:00 a.m. – 3:30 p.m.

**10:00 a.m. New Jersey Traffic Safety Officers Association**  
**Room #308/309** Association Meeting

**10:00 a.m. National Organization of Black Women in Law Enforcement (NOBWLE-Newark)**  
**Room #310** Association Meeting

**11:00 a.m. Outsourcing Off Duty Employment**  
**Room #317** Eliminate the daunting and time-consuming administrative tasks typically associated with this process.  
*Presenter: Guy DiMemmo (VCS Software – Jobs4blue.com)*

**11:30 a.m. Starting and Implementing a Police Chaplain Program**  
**Room #307** Principles, personnel and procedures to create a partnership with various faith-based leaders of a community to respond and assist police and other law enforcement agencies, providing a better quality of life to the citizens of cities and communities.  
*Presenter: Chaplain Gary Holden (The Police Chaplain Program)*

**12:00 p.m. DVR Examiner Software**  
**Room #316** Demonstration of software to allow law enforcement and other forensic professionals to bypass DVR/CCTV passwords and archaic menu to quickly extract evidence from the DVR hard drive directly.  
*Presenter: Jimmy Schroering (DME Forensics)*

**12:30 p.m. DoD Equipment Available to Local, State and Federal Law Enforcement**  
**Room #306** Learn how local, state and federal law enforcement agencies can gain access to Dept. of Defense (DoD) equipment to enhance their officers capabilities and save taxpayer dollars. The equipment is conditionally transferred at no cost to DoD.  
*Presenter: Dan Arnold, U.S. Eastern Team Lead (DoD Logistics Agency – DLA Law Enforcement Support Office)*

**1:00 p.m. Three Technology Principles for Effective School/Municipality Safety Plans**  
**Room #305** Improving response times to emergencies and school-based emergency communication capabilities are critically important. Learn what the best technologies are to implement these measures; saving lives during an emergency; and how to support existing emergency protocols.  
*Presenter: Paul Jenne (Eastern DataComm)*

**1:30 p.m. Increase First Response, Maximizing Officer Safety and Emergency Visibility**  
**Room #310** Demonstration using interactive policing software for local, state and federal law enforcement command and control.  
*Presenter: Paul DiModica (Equature)*

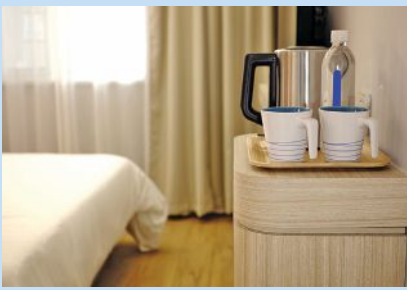
**1:30 p.m. InstantEye Small Unmanned Aerial Systems**  
**Room #314** Review of their applicability towards providing critical Information which can shorten decision cycles and reduce risk to officers and civilians alike.  
*Presenter: Chris Pickett (InstantEye Robotics)*



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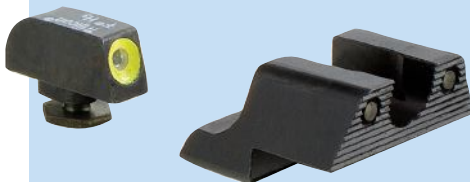
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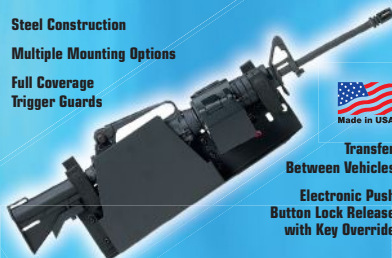
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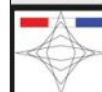
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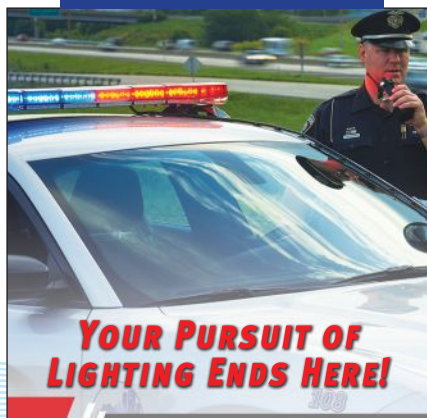
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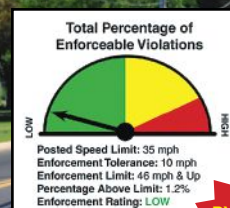
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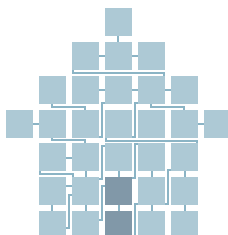
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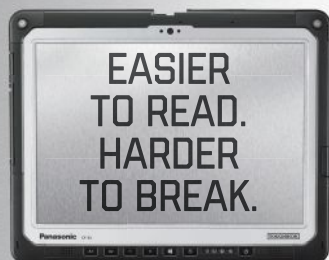


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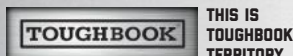
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# Green is Gone

New, lightweight, clip-on technology is allowing viewers to observe full color imagery through their existing PVS-14 night vision scopes.

Bill Siuru

Night vision devices, like Night Vision Goggles (NVGs), have become an important tool for law enforcement, allowing SWAT teams and other police officers to “see” in the dark of night for such tasks as covert surveillance of illegal activity, apprehension of dangerous suspects, crime response, and search and rescue. Night vision devices take in small amounts of visible light (for example, starlight or moonlight) to capture an image, then magnify its intensity and project it on a display. Actually, night vision, or image intensification as it is often called, has been around since the 1930s and primitive versions were first used in WWII.

## Drawbacks

The downside of traditional night vision devices is that the viewer sees only a “green glow” monochromatic image. This lack of color often means important information is lost. For example, an officer is not able to match a description of what a person is wearing or the color of vehicles involved in an incident. You cannot tell if a person is bleeding or if his (or her) clothing is just wet with water or covered in dirt. Also, without color, it is much harder to use NVGs to traverse rugged terrain, for example, to determine where the pavement ends and becomes gravel or mud. Green monochromatic night vision can result in visual distortion and user fatigue and can slow tactical decisions in critical and fast moving situations. The more information an officer can get, the better he (or she) will be at performing his (or her) mission.

## A Solution

Chromatra, LLC, based in Beverly, Massachusetts, is now offering a solution



**How the ColorTAC™ unit is added to an existing PVS-14 night vision device: PVS-14 (right), ColorTAC™ unit (center), assembled unit (left)**

to this lack of color with its new ColorTAC™ CVA-14 unit. It uses Chromatra’s unique Gemini technology which enables the production of color images from any current monochromatic PVS-14 NVG device, yielding impressive low light imaging performance.

ColorTAC can add color image capability to any existing PVS-14 green or white phosphor night vision device, the most common NVG device now used by law enforcement agencies. The weight of a PVS-14 with a ColorTAC CVA-14 unit attached is less than the weight of a PVS-15 binocular unit – which is 23 ounces, including battery. Incidentally, devices such as the AN/PSQ-20 which fuse the output of a thermal (heat) viewer with night vision might be described as providing a “color image,” but they are just overlaying yellow or red thermal details over a standard green night vision image, not the colors of objects. ColorTAC is currently the only system which gives you a true color image.

The ColorTAC unit operates in extreme environments; is easily deployable; is lightweight; and it exceeds market battery life requirements. The unit folds up quickly



**Comparison between a traditional green NVG image and a ColorTAC™ image which provides much more information about the suspect**

and compactly for storage or transportation and takes just seconds to attach to any of the over one million PVS-14 night vision devices to provide users with a color image at night.

For more information, contact Chromatra, LLC at (978)473-7005, Ext. 103, or via E-mail at [chromsls@chromatra.com](mailto:chromsls@chromatra.com). **P&SN**

Bill Siuru is a retired USAF colonel. He has a Ph.D. in mechanical engineering from Arizona State University. For the past 45 years, he has been writing about automotive, aviation and technology subjects.



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*Smartphones and social media expand our universe. We can connect with others or collect information easier and faster than ever.*

*~Daniel Goleman*

**Dr.  
Stephenie  
Slahor**

# Social Media Tools for Law Enforcement

**S**ocial media dominates the lives of many people, especially school-aged youth. Being glued to those screens seems pandemic. Cynthia Hetherington of the Hetherington Group and Bruce Canal, CPP, Orange County, FL, Public Schools, recently addressed the use of social media in their presentation for ASIS International's annual meeting.



## NW3C Virtual Currency Online Training

The National White Collar Crime Center (NW3C) recently released an online training course on virtual currency. The 30 minute course covers basic information and concepts which serve as an introduction to virtual currencies and their relationship to other types of currency. It covers various types of virtual currency, including the difference between decentralized and centralized currencies, with a strong focus on Bitcoin – what it is, how it is stored and Bitcoin specific investigative tips and techniques. Individuals must have an NW3C online learning account and be employed by a law enforcement organization to access the no cost training. To access the virtual currency training, visit <http://tinyurl.com/mt4gesu>.

"Anything that you put on the Internet, everybody can find," said Canal. Those communications are available not only between sender and recipient, but to many – including employers; potential employers; law enforcement; and other, perhaps, unintended readers!

Canal explained that the growth from Internet to social media has been fast-paced and is still evolving. When the Internet began in 1969 with four connected computers, it evolved into ARPANET in the early 1970s, then MILNET. By 1984, NSFNET was created with more networks following and, now, all are connected. Six-Degrees.com, which lasted from 1997 to 2001, became the first social media service. Facebook debuted in February 2004 and Twitter in March 2006, but these and other social media now have an impact every day among millions, even billions, of users.

"This is the first generation to be born in a digital age," said Canal. It took about 75 years for the phone to connect 50 million people; 38 years for portable radio to reach 50 million listeners; and 13 years for television to reach 50 million viewers. But, it has taken only four years for the World Wide Web to reach 50 million users; three years for the smartphone to reach 50 million users; 2½ years for AOL to gain 50 million users; 50 days for mobile apps to become used by 50 million people; and 35 days for Angry Birds to reach 50 million users!

The only "challenge" of sorts which social media suffers might be related to the age of its users. Generation X (born 1965-1979), Millennials (born 1980-1999) and Generation Z (the first 21<sup>st</sup> Century generation born 2000 to the present) seem to embrace social media, but Baby Boomers (retiring at the rate of 10,000 per day) may not have quite the same affinity for social media; although, that may be changing now also.

## A Staggering Amount of Information

The volume of social media content is "massive," said Canal. There are 500 million daily tweets, 70 million photos and videos posted daily and about one billion social media users. "Twitter is the only source that is truly a public source," Canal said. All tweets are a matter of public record – meaning no subpoena is needed for those tweets if they are to be used in prosecution or litigation. Other social media sources have different formats and policies, he added.

Canal explained that the digital age is the hallmark of modern living now. He pointed out that the Orange County, FL, Public Schools are digitizing everything in the curriculum for its 207,000 students. By the end of 2018, all students will have electronic devices and books will be mini-mized. In fact, libraries will eventually become digitized, he said.

And, it's not just schoolwork which is being done electronically. The average number of instant messages per day for middle and high school students is 75 and the average number of social media site posts is 30. "It's not a tool; it's a lifestyle!" Canal commented. Generation X users average five preferred social media sites and Millennials average eight. That translates to hours per day using social media or, at least, monitoring it, such as checking Facebook posts.

For parents, teachers, law enforcement, and others, it's simply not practical to consistently or effectively monitor social media manually because posts occur at all hours of the day; some users post more than others; some multitask a variety of sites; and there is no stereotypical criminal social media user. Canal pointed out that the Chicago Police Department and other agencies have, or are developing, dedicated units for social media criminal intelligence.



Said Canal, "Social media posts are better than hearsay. They're tangible and real. There's no chance to take it back," and the posts teach much about a person—so few, if any, informants or tip lines are needed if social media is used and explored.

With social media also involved in some criminal activity, too, Canal pointed out that a recent ten year study by the US Secret Service found that, of students perpetrating a school crime, 87 percent stated their intent on social media prior to committing the act.

Recognizing the value of monitoring social media is only the first step in social media security, data security and social networks, he said.

### Utilizing Social Media as an Intelligence Tool

For intelligence monitoring, scans can be done using specific words, phrases, sentences, or vocabulary pertaining to corporate proprietary information or intellectual property, imminent threats, suicide, terrorism, cyberbullying, slander, or compliance viols. Said Canal, monitoring is beneficial with real-time alerts sent to a smartphone, laptop or any device. A dashboard is created for analytics and posterity. The Web site, [www.smcapture.com](http://www.smcapture.com), can be beneficial.

Panelist Cynthia Hetherington explained that technological tools make the process of monitoring easy and straightforward. Finding profiles can begin with Google and name searches, social media platforms, usernames, E-mail addresses on business cards, and other identifiers. She termed the cyberworld as "an entirely different realm" from other security measures. "You can't protect if you're ignorant. We have to get into this." She added, "There is no better tool handed to us on a platter for free than social media. It is borderless."

Using social media as an intelligence tool can reveal what a person is doing or saying, interests, hobbies, job seeking, dating/meetup activity, and other profiles. Knowing more about the person being investigated makes it easier to track a profile, she said. Sites such as [www.namechk.com](http://www.namechk.com), [www.peakyou.com](http://www.peakyou.com), [www.pipl.com](http://www.pipl.com) and [www.cybertoolbelt.com](http://www.cybertoolbelt.com) allow looking for a particular name or nickname on various social media sites. "Never use one resource" for data searches, search engines or social media searches, she said, because no one tool does it all. Duplicates and repetition may result, but those extra bits of information prove worthwhile and reinforcing. "There are no fully private accounts," she said, adding that searches require "knowledge of technology, subterfuge and guile!"

Based in Germany, [www.Yasni.com](http://www.Yasni.com) has extended international coverage and can drill down by topic or interest, and [www.Yatedo.com](http://www.Yatedo.com) groups information by images, Web pages, documents, and social connections. They are all "deep Web" and all free, she said. For legal advice about social media, Hetherington cited [www.socialmedialawandorder.com](http://www.socialmedialawandorder.com).

Gather what is liked, friends, locations, associations, opinions, photos, nicknames and other information, she said, adding, "Capture what is in front of you."

As to personal security, she encouraged vigilance and being aware. Don't give out personal information on social

media unless it is necessary. Avoid formula quizzes on social media. Never assume something is safe. Watch out for the obvious, such as a "surfer" looking over your shoulder to glean a password or passcode. Don't install social media apps on your personal cell phone; use a different device/phone. Lock down all your permissions on social media. She stated, "Social media will never keep you protected." Remember that messages posted can be forwarded, reposted and shared. **P&SN**

*Stephenie Slahor, Ph.D., J.D., is a writer in the fields of law enforcement and security. She can be reached at [drss12@msn.com](mailto:drss12@msn.com).*



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# Shooting from Retention

Richard Nance

*The closer you stand to suspects, the closer your gun should be to your body. Pointing your gun from a fully extended arm position at a suspect who is close enough to touch is to risk a disarming.*

~ Steve Albrecht, from the book, *Surviving Street Patrol*

## Shooting from the Hip?

Hip shooting was used by generations of gunfighters. From Wild West lawmen and outlaws to WWII soldiers, hip shooting provided a faster way to get rounds on target against an adversary who was within a few feet or out to several yards. This method accounted for the fact that, under stress, shooters often resorted to firing one-handed with a bent arm.



**Chances are that a hip shot won't come anywhere near the bad guy unless you've spent a lot of time practicing this technique.**

Shooting from the hip prohibited the shooter from obtaining a sight picture. However, by facing squarely to the threat and holding the gun parallel to the ground, the shooter was able to aim using body alignment. Although their technique differed slightly, many prolific shooters, such as Rex Applegate, William Fairbairn, Jelly Bryce, and Bill Jordan (just to name a few), became very proficient at shooting from the hip. However, hip shooting is not without its drawbacks.

With no consistent physical index of your gun to your body, it's easy to miss your target, even at close range, without considerable practice. The fact that the gun remains parallel to the ground helps align it vertically. However, a slight flex in the wrist could send your round askew to one side of the assailant or the other.

Although shooting from the hip positions your gun farther away from your adversary than if you were to extend your arms and bring the gun to eye level, it may still be within his reach, as it extends well beyond the torso.

Over time, just as technological advancements make handguns more formidable weapons, improvements in tactics make the open-minded gunfighter safer. That's why I'm amazed to still see cops using some variant of hip shooting in close quarter shooting evolutions (e.g., the infamous Speed Rock). There is a better way!

Whether you call it a retention position, a chest tuck, a pectoral index, or a close quarter hold, the best way to safeguard your gun and achieve combat effective accuracy in extremely tight quarters is by indexing your gun to your chest. Though you may not realize it, this is a natural component of the combat draw stroke.

## One-handed Retention Position

A proper index involves your elbow rising to full extension, with the heel of your hand and your thumb pressed against your chest. Be sure to cant the gun slightly outward (clockwise for a right-handed shooter) to prevent the slide from snag-

*Continued on page 58*



**When firing from the one-handed retention position, your rounds will tend to impact relatively low on your target.**





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## SHOOTING FROM RETENTION

Continued from page 56

ging on your clothing which could induce a malfunction.

Indexing your gun to your body is beneficial in two ways. First, with the gun against your body, it's far less accessible to your adversary. Even if he manages to grab it, you will have a considerable leverage advantage to help retain it. Second, with a consistent index, you can fire predictably placed rounds at close range without the use of your gun's sights.

Because your gun is positioned well below eye level, you won't be able to see the sights. The consistent index of your gun to your body, coupled with proper body alignment (hips, knees, shoulders square to the threat) is what allows you to aim your gun from the one-handed retention position.

Raising your elbow as high as possible will cause your muzzle to be oriented slightly downward (provided your wrist remains locked). Therefore, when firing from the one-handed retention position, your rounds will impact relatively low on the target.

With your gun indexed to your chest, your body essentially aims your gun in

the vicinity of your adversary's pelvis (assuming there's not a considerable height disparity). The pelvis is a widely recognized secondary target area when shots to the upper chest are ineffective, as may be the case when the assailant is wearing body armor. Although a shot to the pelvis might not immediately incapacitate your adversary, one or more shots to this area are likely to prevent it from supporting his weight, in essence, rendering him immobile.

Of course, being shot anywhere (particularly, multiple times at close range) can lead to a "psychological stoppage," as the assailant's mind-set is transformed from attack mode to self-preservation mode. When you consider that a single punch or an eye poke can change the tide of a fight, it's foolish to dismiss the notion of shooting an assailant in the pelvis simply because it's not likely to shut him off like a light switch the way a shot to the *medulla oblongata* (part of the brain stem which controls autonomic functions such as breathing, heart rate and blood pressure) would. At arm's length, the pelvis is generally easier and less risky to target than

the head or chest.

When your gun hand is indexed, your off hand should be at chest level, prepared to either strike or fend against a close quarter threat or "fill the void" in the grip left by your shooting hand when a two-handed shooting grip is desired. Just don't become so conditioned to achieving a two-handed grip that you forget to use your off hand to greater benefit against a close quarter threat. This may be to shield your head from incoming strikes, shove the assailant away, or secure and control his arm which is closest to your gun.

Some experts caution against using their off hand to fend or fight for fear of shooting that hand. Although this is a legitimate concern against an aggressive assailant who is mere inches away, you may well have to use your off hand to keep from being run over or disarmed.

The threat of shooting your own hand is mitigated by certain factors. First, by locking your wrist and raising your elbow as high as possible, your muzzle will be oriented slightly downward. Second, you should ensure that your off hand is either in the bad guy's face or protecting yours.



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Third, by squaring yourself to the threat, it's more likely your off hand/arm will be clear of the muzzle when shooting from retention.

Be conscious of the placement of your off hand in relation to the muzzle and keep your finger indexed safely along the frame until you've made a conscious decision to fire.

At certain distances, the assailant may be too far to shoot from the one-handed retention position (due to the aforementioned downward trajectory), yet too close to fully extend your arms and raise your gun to eye level. In this "middle ground," the two-handed retention position makes more sense.

### Two-handed Retention Position

The two-handed retention position affords you the ability to fire from retention or anywhere along the path of arm extension. Because the gun is more or less parallel to the ground, this position enables you to shoot at a longer range. You can hit a target from several feet (even a few yards) away from this position, whereas rounds fired from more than a couple of feet away from the one-handed retention position would impact the ground between you and your adversary.



***The downside to the two-handed retention position is that it doesn't permit you to use your off hand.***

To envision this technique, think of drawing your arms in from an arms extended, sighted fire position. Bring your elbows tight to your body and make sure your forearms are in contact with your chest. This will provide stability for the gun and a consistent aiming point. Again, when you are square to the threat and you incorporate a physical reference like the heel of your gun hand to your chest or both forearms against your chest, your body essentially aims your gun for you.

The two-handed retention position is viable from a gun retention standpoint because it places the gun close to your

body where you're more powerful. The closer the gun is to your body, the more leverage you have to retain it. And, because you have both hands on the gun, your hands will completely encircle the grip, ensuring maximum control of the gun.

The obvious downside to the two-handed retention position is that it doesn't permit you to use your off hand to fend or fight. Therefore, when you and the assailant are chest to chest, it's best to employ the one-handed retention position. Of course, transitioning from the two-handed retention position to the one-handed version can be ac-

complished by merely separating your hands. Your off hand is thrust toward the assailant's face, as your gun hand indexes to your chest.

### Stance

Shooting from retention isn't solely an upper body endeavor. To stay on balance, you need to assume an athletic stance, with your feet about shoulder width apart and your knees slightly flexed. Although your shoulders and hips face squarely to the threat, your gun side leg should be well behind your other leg. If both feet are along the same horizontal plane, the slightest push from the front



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## SHOOTING FROM RETENTION

Continued from page 59



*In order to remain on your feet, you will need to assume an athletic stance, with your feet shoulder width apart.*

will have you backpeddling to regain your balance. Your weight should be distributed primarily on the balls of your feet which helps facilitate rapid movement in any direction.

Your aggressive demeanor should manifest itself in the form of a slight forward upper body lean. This posture is conducive to forging ahead, claiming the ground on which your adversary stands. Lots of firearms instructors espouse that your shooting stance is your fighting stance. This is often followed by said instructor demonstrating a shooting stance in which their feet are precariously close together and their upper body completely upright. Clearly, these instructors haven't been in many fights.

### In Sum

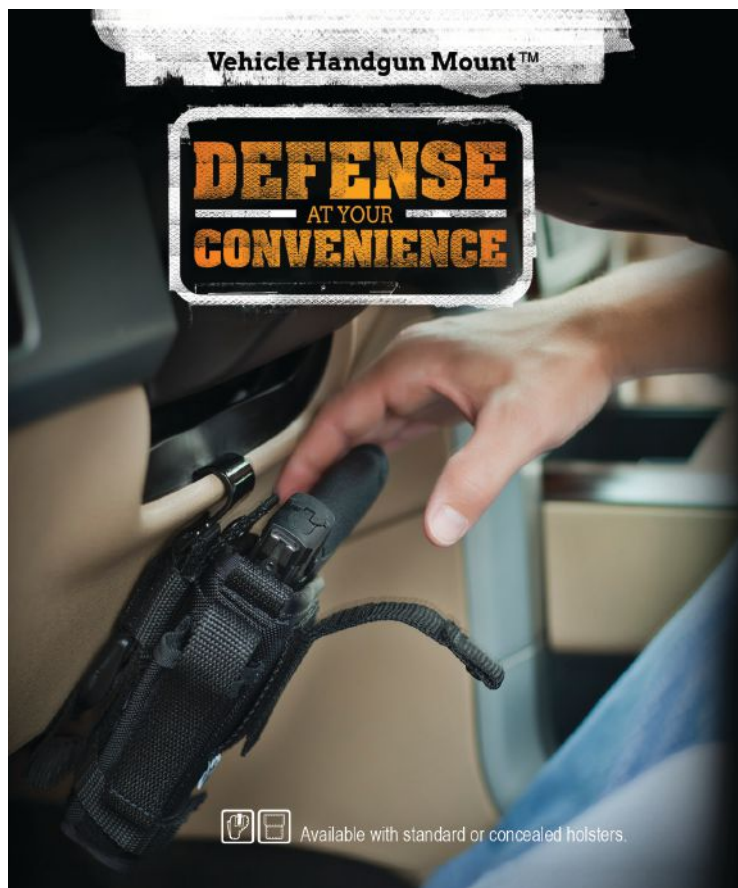
Unless you're planning to audition for a starring role in a western or compete in Cowboy Action Shooting, ixnay on hip shooting. It's fast, but it's also inaccurate, unless you devote an inordinate amount of training time. Even then, it's

not beneficial in a gunfight in extremely close quarters where your adversary will likely reach for your gun to disarm you or, at least, redirect the muzzle.

Shooting from retention, on the other hand, provides you maximum control over your gun and facilitates the consistent aiming of your gun. With an aggressive stance, the one-handed and two-handed retention positions will give you a distinct advantage during a point blank deadly force encounter.

**P&SN**

**Editor's Note:** This article has been excerpted from a well written and authoritative book by Richard Nance, entitled *gunFIGHT! An integrated Approach to Shooting and Fighting in Close Quarters*. Copies of this book can be obtained from Looseleaf Law Publications, Inc., 43-08 162nd St., Flushing, NY 11358; phone (800)647-5547; or by visiting their Web site at [www.LooseleafLaw.com](http://www.LooseleafLaw.com). The price of the book is \$23.95 (plus shipping and handling).



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# NRA 2016 Law Enforcement Officer of the Year

It is with great honor and pride that the National Rifle Association recognizes Officer Jason F. Falconer, of the Avon Minnesota Police Department, for his valor, heroism and quick, life-saving actions by naming him the 2016 National Rifle Association Law Enforcement Officer of the Year.

On the evening of September 17, 2016, Officer Jason Falconer was off duty in plain clothes at the Crossroads Mall, co-located in the City of St. Cloud and City of Waite Park.

While shopping, Officer Falconer's attention was drawn to two loud, sharp noises and saw some shoppers running and screaming. An individual dressed in a security uniform then walked up to him and asked him if he was Muslim. Officer Falconer answered no. As the individual turned, Officer Falconer could see that he had a large knife in each hand. Without hesitation for his personal safety, Officer Falconer immediately drew his concealed off-duty handgun, announced he was a police officer, and ordered him to drop the knives.

Unbeknownst to Officer Falconer, the subject had started a stabbing spree outside the mall, where he had asked numerous shoppers if they were Muslim, and if not, assaulted them, shouting "Allah Akbar." The suspect then entered the mall and continued stabbing 10 shoppers in all and punching many others in the head, back, neck and face. There was so much chaos that after-action reports showed that 95 separate 911 emergency calls came into the emergency communications center.

Rather than dropping the knives, the knifeman turned and ran through the mall and into a crowded major department store with Officer Falconer in pursuit. The suspect abruptly turned, stopped, and then laid down as instructed by Officer Falconer. Seeing that the knifeman had not dropped the knives, Officer Falconer kept ordering him to do so. Just as abruptly as the suspect had stopped, he jumped up and charged at Officer Falconer with the knives.

Coming under immediate attack, Officer Falconer fired his off-duty handgun several times at the suspect while backing up to create distance between them. Officer Falconer fell down briefly, and the knifeman fell after being struck, but he did not drop the knives.

Witnesses confirm that Officer Falconer continued to issue commands to the attacker to stay down and drop the knives, identifying himself as an off-duty officer verbally and by displaying his police badge while he kept the knifeman covered at gunpoint.

Just as the incident seemed to be over, the knifeman suddenly rolled off of the floor and began moving between clothing racks, circling as Officer Falconer continued to order him to drop the knives and get down. Instead, the suspect charged, with Officer Falconer firing additional rounds at him head-on. The suspect turned and walked backwards towards the officer, acting as though the rounds could not strike him if he was not facing the officer.

Surveillance videos and witnesses confirmed that, after several more hits, the knifeman fell to the floor on his stomach, only to get up on his hands and knees and crawl towards Officer Falconer with a knife in hand. The knifeman finally dropped face down, and Officer Falconer moved to a position to block the knifeman from the open area of the mall until responding police arrived.

Officer Falconer's heroic actions under the most stressful and confusing circumstances while off duty ended a crazed knifeman's melee, clearly saving lives and stopping the severe injury of countless innocent shoppers. His actions are a credit to himself, his department, and the community he serves and are in keeping with the highest traditions of law enforcement.



**Officer Jason Falconer**  
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# Turning Blue into Green

**Ford® has introduced the industry's first pursuit-rated hybrid police car.**

**Bill Siuru, Ph.D., PE**

**F**ord plans to invest \$4.5 billion and put 13 new electrified vehicles on the road worldwide by 2020. These include an F-150 hybrid, a Mustang hybrid, a Transit Custom plug-in hybrid, a self-driving hybrid, and a fully electric small SUV with an estimated 300 mile range. Also among these new hybrids is the first pursuit-rated hybrid police car, the Ford Police Responder™ Hybrid Sedan. Incidentally, some departments use hybrids like the Toyota® Prius or Chevrolet® Volt for administrative duties, but not for serious police tasks which might involve a high-speed chase.

## Downtown Bound

This new hybrid police car, based on the Ford Fusion Hybrid, is aimed mainly at urban environments. Being pursuit-rated means a vehicle is specially designed and equipped for high-speed pursuits. To officially qualify as "pursuit-rated," the Ford Police Responder will be tested this fall by the Los Angeles Sheriff's Department and the Michigan State Police, the two agencies which rate pursuit vehicles for police departments across the country.

The front-wheel drive Ford Police Responder Hybrid is powered by an Atkinson-cycle 2.0L, four-cylinder, 141 horsepower engine combined with an 88 kilowatt permanent magnet AC synchronous motor. A total of 188 horsepower is available when maximum performance is required. After five seconds of hard driving, it automatically shifts into pursuit mode for maximum acceleration.

The Atkinson-cycle engine offers high efficiency at the ex-



***Ford® Police Responder™ Hybrid Sedan ready for service with the Los Angeles Police Department***



***The Ford® Police Responder™ Hybrid Sedan is based on the Ford Fusion, thus has mid-size accommodations.***

pense of some power loss at low speeds and is frequently used in hybrids because the electric motor makes up for the lost low speed output. Ford states that the Police Responder Hybrid should have an EPA estimated combined gas mileage of 38 mpg, more than twice that of today's Ford Police Interceptor with its 3.7L V-6 (with an EPA estimated 18 mpg combined fuel economy). Final EPA estimated ratings are not yet available.

The electric motor, which also serves as a generator during regenerative braking, is supplied by an advanced lithium-ion battery which provides electric only driving at up to 60 mph. Having only a 1.4 kilowatt hour battery, its electric only, stealth mode capability is limited to a couple of miles. For comparison, the Ford Fusion Energi Plug-In Hybrid with a 7.6 kilowatt hour lithium-ion battery gives a 21 mile all-electric range.

## Fuel Savings

Being a hybrid brings another big advantage for law enforcement duty: the lithium-ion battery allows the engine to be shut off for brief periods while keeping all of the electronics – lights, computers, radios, etc. – running. While idling, the battery powered, high electrical loads of a police vehicle reduce engine runtime and save an estimated 0.27 gallons of fuel per hour. Operators could see nearly \$3,900 annual potential fuel savings relative to the Police Interceptor, if a police vehicle is driven 20,000 miles per year, runs two shifts per day, 365 days per year, idles 4.9 hours per eight hour shift, and is fueled at an average gas price of \$2.50 per

*Continued on page 64*



# The LAPD Is Getting 100 BMW i3 All-Electric Police Cars

The Los Angeles Police Department is acquiring 100 BMW i3 electric vehicles. Wearing the same black-and-white livery as other LAPD police cars, the i3s will be used for nonemergency functions, including transporting officers from one place to another and for community outreach. They won't be used for chasing bad guys. The BMW i3 is already used by several cities in England and Europe.

In deciding to purchase the i3, the LAPD evaluated several electric vehicles, including the Tesla Model S, on the streets of Los Angeles as part of the LAPD's everyday fleet. While the Tesla offers the performance needed for high-pursuit use, the LAPD had concerns over a possible power outage and the resulting lack of ability to recharge the Teslas. Cost was another factor. The BMW is significantly cheaper to buy or lease than the Tesla – \$42,400 (base price) for the i3 versus about \$100,000 for the Tesla. Other factors favoring the i3 included BMW ConnectedDrive services to support fleet management applications and its reliability.

The BMW i3 is the first purpose-built electric production vehicle to be made primarily of lightweight Carbon Fiber Reinforced Plastic (CFRP). With 170 horsepower and 184 ft lbs of torque from the electric motor and a 22 kilowatt lithium-ion battery, the i3 is good for 80-100 miles of driving on electricity. The i3 has several attributes which suit it to police work. Its compact size, short wheelbase and extremely tight turning radius make maneuvering on crowded city streets easier. As with all electric cars, the i3 operates quietly, emits nothing and has very low per mile operating costs.



**Part of the fleet of 100 BMW i3 electric vehicles purchased by the LAPD**

BMW will also develop software which interfaces with the LAPD's fleet management system, allowing the department to electronically receive critical vehicle data needed to effectively maintain their fleet. BMW is also designing a Web tool which will allow the department to track their fleet in near real time, contributing to improved deployment, utilization and the efficient charging of their fleet of BMW i3s.

Greenlots, a global provider of open standards-based distributed energy resource solutions, will supply one hundred, 240 volt, Level 2 charging stations to the LAPD, along with four DC fast charging stations, to support the electric cars.

The purchase is a part of a larger order for 160 battery electric cars for multiple city agencies. The remaining 60 battery electric cars will go to the city's fire, water, power, and general services departments. Los Angeles wants electric cars to make up 80 percent of its municipal fleet vehicle purchases by 2025.

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## TURNING BLUE INTO GREEN

Continued from page 62

gallon. An online Ford Police Responder calculator can be used to determine how much departments may potentially save.

To be pursuit-rated, the Ford Police Responder Hybrid has an upgraded suspension, wheels, tires, and brakes. It has met vehicle dynamics and safety standards, such as 75 mph rear end crash testing. Additionally, there are other changes which are required for serious police work. It also has better engine cooling, an upgraded electrical system, a space for center console mounting, predrilled holes to accommodate police equipment, and skid plates underneath to protect mechanical components. The interior has also been modified for police use with front seat cushions shaped to accommodate equipment belts and gun holsters. There are antistab plates positioned in the front seat backs; a movable rotary gear shift dial which can be relocated within the car depending on department needs; a certified speedometer; additional power distribution in the trunk; and heavy-duty front door tethers. The backseat area has been designed without seat back or door pockets where a suspect could hide contraband or weapons.

### Mini-Me?

The downside is that this new vehicle is a mid-size sedan which is smaller than the full-size Taurus or the Explorer SUV. Vehicle size can be a big issue for police departments, since a car has to be able to hold two officers and have enough space for a partition between the front and backseat where arrestees sit. Plus, officers need space to carry more equipment these days in order to be able to handle any kind of emergency. Larger vehicles also generally afford better crash protection.

The Los Angeles Police Department is launching the Police Responder. It will help cut emissions in a city famous for its air quality problems and will be hitting the streets in summer 2018. Pricing has not yet been disclosed. The Police Responder Hybrid Sedan is intended mostly for urban use. For chasing down speedsters on the highway, Ford's Taurus-based Police Interceptor, available with a turbocharged V-6 engine, is still recommended. **P&S**

*Bill Siuru is a retired USAF colonel. He has a Ph.D. in mechanical engineering from Arizona State University. For the past 45 years, he has been writing about automotive, aviation and technology subjects.*

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# BUILDING COMBATIVE SPEED AND ACCURACY

*Due to the short duration and quick time frames of law enforcement gunfights, officers should train to fight quickly and effectively in condensed time frames.*

**Todd Fletcher**

**P**lacing quick, threat stopping hits on target is the core of all gunfighting skills. In order to accomplish this goal, we must train to develop fundamental and practical skills in new officers while continuing to improve the skills of more veteran officers. Once these skills are developed, these officers must be challenged to identify their individual skill lev-

els in order to balance combat speed and accuracy.

As important as this is, building combative speed and combative accuracy are two skills most firearms training programs fail to adequately address. Instead, most law enforcement firearms training focuses on teaching to the test – passing qualification. This results in training officers to meet

minimum standards instead of preparing them to prevail in a gunfight.

## Combative Speed

It's true that just about anyone can shoot fast since it doesn't take a lot of skill. A decent draw from the holster and a fast noise is all it takes to shoot fast. The problem is that shooting fast isn't the same as making fight stopping hits in compressed time frames. Developing combative speed and accuracy requires practice and training. Quick, accurate, fight stopping hits placed into body parts which impede a suspect's ability for continued aggression should be the goal.

Most shooters (and the majority of law enforcement training) spend time on the range shooting slowly and methodically while focusing on the fundamentals of marksmanship. Don't get me wrong. This is quality training time and is an important step towards building skill because shooting well takes practice and dedication. In order to accomplish this goal, officers need to begin mastering the fundamentals.

However, law enforcement firearms training needs to go beyond the fundamentals of marksmanship in order to better prepare officers for prevailing in a gunfight. Learning to shoot well at combat speed takes practice and, despite what a lot of shooters have been told by their instructors, speed doesn't come with mas-

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**Shot timers are not just for competitive shooting.**

tering the fundamentals. This would be like saying that once a driver learns the basic rules of the road, they have the skills needed to compete in a NASCAR race. It doesn't just happen once you learn the fundamentals. It takes practice.

On the range during firearms training, instructors should allow shooters to push themselves to failure in order to find their "speed limit." Once they understand where their skills start to fall apart, shooters can slow down to a speed where they are consistently making fight stopping hits. They can train at this speed until their skills improve. Then, they can work to improve their skills on the way to finding their new "speed limit." However, the concept of pushing skills to failure on the range is foreign to most officers and instructors. Too often, a missed shot on the range results in the shooter being subjected to ridicule and embarrassment. This is unfortunate since the best place to fail is in training – not on the street with lives on the line. Instructors must allow shooters to explore the limits of their abilities and the only way to do this is to allow them to push themselves to failure. Don't misunderstand what I'm saying. Marksmanship accountability on the street and in training is important, but it shouldn't limit a shooter's ability to push his (or her) skills and abilities to the next level.

### Shot Timers

A valuable tool for instructors and shooters is the addition of a shot timer. Without a shot timer, a draw which feels quick may be slow due to wasted motion. Conversely, a draw which feels slow, but is smooth with no wasted movement, may be quick. Shot timers also measure the split time or time between shots. This can help provide a baseline to measure a shooter's performance when working to find their "speed limit" and while balancing speed and accuracy.

A properly functioning shot timer does not lie. Everyone knows there are no stopwatches in a gunfight. But, who can

argue that an officer who can shoot well quickly is better equipped to prevail in their gunfight compared to an officer who is slow and inaccurate? Most shot timers are inexpensive and last for years. There are several shot timer apps available for your cell phone, too. Some of these shot timer apps are free, so there's no excuse not to have this tool available to help you train.

There are several other apps available to help build combative speed and accuracy. Some of these use the videotape function of your phone or computer


to help you see what is happening while shooting. This allows the shooter to see how they manage recoil and whether or not their sights return back to the original point of aim. Grip, stance and trigger management can all be observed using these programs. Even if these aren't available on the range, we can use the basic video functions of our cell phones to accomplish the same thing. What we feel while shooting may not be the whole story. If we can see what is happening while shooting, then we can make adjustments to improve our skills.

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**Accuracy** – This is making hits on your intended target or target zone. Accuracy does not necessarily mean putting one round on top of another. Accuracy is hitting a general target zone, such as the upper thoracic area. Accuracy may mean using an acceptable (as opposed to a “perfect”) sight picture or directing shots by body index or positioning.



**Precision** – This is putting one round on top of another. Speed is secondary when precision shooting is required. This means pressing the trigger while attempting to obtain and maintain the “perfect” sight picture.

“perfect” sight picture. Speed is secondary when precision shooting is required.

Sight picture and alignment are another part of the speed and accuracy equation. Our shooters need to be aware of what an acceptable sight picture is based on the context of their gunfight. This can vary depending on the need for accuracy or precision as well as the distance involved. Shooters should be allowed the opportunity to experiment in order to determine an ideal sight picture. The ideal place for doing this is in a training environment where we can evaluate the type of sight picture that is necessary to deliver shots which meet the expected accuracy standard. This can reduce the problem of shooters attempting to maintain a “perfect” sight picture while working at combat speed. When it comes to combative speed and accuracy, perfection is the enemy of good enough.

Many firearms instructors have created confusion in the minds of shooters by failing to explain the accuracy standard in the drills used on the range. Instructors should provide context for accuracy standards by explaining what it means to “shoot well” during a particular drill or course of fire. Are we conducting a One Hole Drill, or are we doing a drill which simulates a gunfight? The accuracy standard of these drills is different and must be explained in the proper context to our students.

### Combative Accuracy

Precision shooting and combative accuracy are two different skills. Combative accuracy means making hits on your intended target or target zone. Accuracy does not necessarily mean putting one round on top of another. Combative accuracy is hitting a general target zone such as the upper thoracic area. It may also

mean using an acceptable, as opposed to a perfect, sight picture, flash sight picture, or directing shots by body index or positioning.

On the other hand, precision shooting means placing rounds on a very particular spot on target or putting one round on top of another repeatedly. This means pressing the trigger straight to the rear while attempting to obtain and maintain the



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The use of steel targets is one of the best ways to train and practice shooting well quickly. Steel targets help shooters balance speed and accuracy. In terms of adult learning, steel targets allow the development of shooting skills at the subconscious level of awareness. The subconscious mind can learn to reflexively control the shooting process through the use of positive, instantaneous feedback. The sound generated by the bullet hitting the target provides assurance of combative accuracy and confirms the shooter is applying marksmanship. Shooters quickly improve and gain confidence in their ability to quickly and accurately engage targets. Initially, quality steel targets may seem expensive, but, with a little care and maintenance, they can last many years.

### Conclusion

Shooters have heard me preach over and over, "I don't need you to shoot fast. I need you to shoot well." Once shooters have learned to apply the fundamentals of marksmanship and start to work on developing combative speed, I tell them, "I don't need you to shoot fast. I need you to shoot well...quickly." Once officers understand this concept, they are well on their way to balancing combative speed and accuracy. **P&SN**

*Todd Fletcher is a sergeant in Central Oregon with over 22 years of law enforcement experience. He has presented firearms and instructor development training nationwide and at multiple regional, national and international conferences. He*

*owns Combative Firearms Training, LLC which provides firearms training and instructor development classes to law enforcement, military, private security, and armed citizens. He can be contacted at [Todd@CombativeFirearms.com](mailto:Todd@CombativeFirearms.com).*



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# Maximizing Performance with Smaller Defensive Handguns

Like many things in life, carrying a handgun on your own time is a compromise.

Mike Boyle



**W**hen carrying concealed, your goal should be to strike a balance between having the ability to protect yourself and others, while keeping the lowest possible profile. Comfort also weighs into what sort of gun we might carry when dressed in plainclothes. A full-size service pistol supported by a Sam Browne belt isn't a big deal to carry over a long shift, but most of us will find that same hardware to be a burden when dressed in soft clothes. To that end, most law enforcement officers favor a lighter, smaller gun when off duty.

Of course, off duty carry only represents part of the picture. Smaller handguns are commonly used by investigators, covert operators and administrative personnel, as well as for backup to the primary service weapon. I, for one, prefer to carry a 15 shot compact-size pistol whenever I can, but, when the mercury rises and the jackets come off, that becomes problematic. Another dimension I have to deal with is out of state travel. The Law Enforcement Officer's Safety Act (LEOSA) allows me to carry a handgun anywhere in the U.S. However, a neighboring state restricts magazine capacity to ten rounds. Since going unarmed is ill-advised, I simply strap on a smaller handgun which meets the legal requirement.

But, is smaller always the best solution? I would submit that smaller guns beat a stern word or a big stick, but, taken to the extreme, a downsized blaster isn't necessarily the best choice. Quite frankly, smaller guns are often difficult to shoot to a high standard, have diminished capacity and are often chambered for inferior cartridges. What is the bottom line? Carry the biggest gun you can effectively conceal. A harsh reality is that factors such as light clothing or certain social settings often come into play and make this difficult, if not impossible.

## Make the Right Choice

Back when the Earth was flat and we all carried revolvers, small frame snubs were the hideout of choice. The overwhelming number of officers on my job carried one of the small Smith & Wesson® J-frames, although we also had a few like-size Colt® revolvers in the mix. This was pretty much the status quo until autopistols became the service weapon of choice and the paradigm began to shift. Like many old-school types, I accepted the fact that a self-loader was the better tool as a service weapon, but I continued to utilize a snub whenever I had a need for a downsized handgun.

That's all changed and we can now choose from a wide range of smaller

pistols which are reliable and pack a service caliber punch. Just about all of the major manufacturers now offer a subcompact version of their service pistol which represents a very good choice for discreet carry. The grip angle and the placement of vital controls is the same as with the more familiar duty weapon which all goes a long way toward better performance.

The shorter sight radius and reduced grip length of subcompact pistols may set you back a step or two, but marksmanship potential is better than with a snub or pocket pistol. Concealment qualities are pretty good, as well, and most of the subcompacts boast an ammunition capacity twice that of tools used in the past.

Another viable alternative is one of the single stack self-loaders, such as the GLOCK® 43, Smith & Wesson M&P® Shield™, and Walther PPS. These pistols give up a few rounds in capacity, but their flatter profiles make them even easier to hide. Best of all, these little mini-blasters are all chambered for legitimate service cartridges. Ten years ago, I would not have given you a plug nickel for a small pistol, but my thinking has evolved.

*Continued on page 72*



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*Small snub revolvers can fill a useful role, but represent a steep learning curve for those who cut their teeth on an autoloader.*

## MAXIMIZING PERFORMANCE

*Continued from page 70*

### How Low Can You Go?

Jeff Cooper is widely recognized as the father of combat pistolcraft. About 30 years ago, I was reading an article penned by the good Colonel, where he stated, "Action in which a pistol is involved is unpredictable. There is no such thing as light duty or heavy duty in a pistol." Those words have stuck with me for some time. Consider that we carry a handgun to maintain control over our immediate environment and that we may

have to quickly neutralize one or more adversaries with a predisposition toward violence. Suddenly, that handy little pocket pistol doesn't seem up to the task.

I continue to make the case that any handgun we bet our life on needs to be chambered for a full power service cartridge, such as the 9mm, .40S&W or .45ACP. With the right load, even the much unappreciated .38 Special can make the grade. I know many folks fancy

.380ACP caliber pistols for personal defense, but I consider that cartridge to be a marginal performer. This is especially true when the .380ACP cartridge is fired from some of the ultracompact hideouts currently in vogue. Muzzle velocities are often in the 800 fps range with minimal bullet expansion and penetration. Similar, but slightly larger, 9mm pistols from the same manufacturers are an infinitely better choice.

### Snubs Are Still Relevant

For just about all of my adult life, I've had a love/hate relationship with .38 Special snub revolvers. I tend to shoot them fairly well at close range, but, as distance increases, performance begins to degrade in a very big way. Short sight radius and poor sights tend to play havoc with most everyone's marksmanship potential, but snubs do, in fact, offer excellent size/power efficiency and rock solid reliability. Limited capacity is an issue also, but I still consider a snub revolver a far better choice than a pocket pistol chambered for an underpowered cartridge.


I'm hardly an anti-snub guy, but today there are better choices, particularly for cops who cut their teeth on an autopistol. Unless one is very committed to the craft, snub revolvers represent a very steep learning curve. For carry in the pocket or on the ankle, a snub is still the best choice, providing you are willing to put in the time to master it.

### Holster Selection

There is no "perfect" holster to fit every conceivable concealed carry need. Most users will take to outside the waistband carry as it approximates the same position as the duty handgun. Inside the waistband carry is more discreet, but

*Continued on page 74*

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## MAXIMIZING PERFORMANCE

Continued from page 72



**Service-size pistols are easier to shoot to a high standard, but excellent results can be achieved with smaller handguns.**

may be uncomfortable. Of late, appendix inside the waistband carry has become very popular, but this comes with its own set of concerns. Carrying a gun in this manner offers the best possible

concealment qualities and fastest draw, but many potential users have concerns about sticking a gun down the front of their pants.

Holster selection is a very personal issue which requires the same attention as selecting the firearm itself. Your holster must be comfortable, durable, accessible, have good retention qualities, and help conceal the gun. That last quality is often overlooked by a great many people. Understand that there is a big difference in a plainclothes holster versus a true concealment holster. Many of the popular designs offered by the major manufacturers can be best categorized as plainclothes holsters. They work okay underneath a windbreaker with "police" stenciled on the back, but print badly under a suit jacket or light shirt. I would go as far to say that it's far easier to truly hide a full-size gun in a proper concealment holster than a small gun in a poor design.

The ability to draw quickly is another primary concern, particularly when you consider that you will probably be play-

ing "catch-up" to an adversary's action. I'm not especially fond of concealment holsters which feature an FBI butt forward rake, as it makes my draw stroke very inefficient. This is especially true for female officers when working from concealment. I find my draw stroke from concealment to be measurably faster and more efficient with a straight drop or forward rake holster, but, by all means, find something which works best for you.

Carry spare ammunition for your hideout. Minimally, one should carry at least one reload, depending on the capacity of your handgun. There are a few outfits which offer magazine pouches which are contained in the pocket rather than the belt and these units can go a long way in keeping you under the radar.

A few months ago, I obtained a Concealed Carry Mag Pouch from ExtraCarry™. This innovative pouch is designed to harbor a magazine in the pocket and is secured to the pants pocket by an unassuming clip likely to be mistaken for a pocket knife. The pouch from ExtraCarry will keep that spare magazine handy for

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a quick reload while keeping it clear of coins, lint and other pocket detritus.

### Small Gun Training

Getting the hardware side of the equation squared away is the easy part, but getting the software in order will require a bit of effort. Given a choice, most of us would prefer to practice with our service-size pistols, as they give us the most positive feedback and ballistic gratification. It has also been my observation that most departments devote a minimum amount of attention to training their officers with the gun they carry off duty. Very often, officers merely drop their preferred hideout into the duty holster and take a run on the agency qualification course. It would be a real stretch to call this training.

Bear in mind that your opponent picks the time, place and setting of the street encounter. You will not be spotted any points because you have chosen to bring what may be an inferior gun to the show. Your adversary could care less if your gun has a diminished capacity, poor



***Single stack, flat pistols, such as the Walther PPS, are far better performers than any pocket pistol and can still be easily concealed.***

sights, a shorter sight radius, or fires an inferior cartridge. As a matter of fact, he probably prefers it that way.

The bottom line is that we have to rise to the occasion or perish. You simply can't count on the possibility that an adversary is a terrible shot or will make a serious tactical blunder. You just have to be at your best.

I've often been asked what special drills or courses of fire I utilize for train-

ing with smaller handguns. The truth is that I don't have any special formula. Sure, we might spend a little more time working on the concealed carry draw stroke, but, other than that, it's the same formula I use with duty-size handguns. Initially, I like to establish that the smaller handguns from reputable manufacturers are capable of placing decisive hits on targets throughout their practical range. Once we have come to terms with that, we push the gas pedal a little harder to reinforce reactive shooting skills.

Issues such as rigid engagement, multiple threats, movement, reloading and shooting in low light should be addressed. At this stage, one begins to realize some of the limitations with the smaller guns. Not a deal-breaker, mind you, but a little dose of reality. In several instances, this has caused some officers to reconsider the type of handgun they utilize for concealed carry. It's far better to find out our limitations on the sterile environment of the range than on the street.

It would do us all well to take a hard  
*Continued on page 76*

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## MAXIMIZING PERFORMANCE

Continued from page 74

look at our training and equipment. Are we prepared to deal with the most likely threats we might face? More often than not, this will be some sort of violent street crime rather than a band of narcoterrorists. Practice in anticipation of the most likely scenario.

In summary, get yourself a small, concealable handgun you can still shoot to a high standard. As we have seen, too small is counterproductive. If your agency doesn't supply it, get yourself some proven, premium quality ammunition from a reputable manufacturer. Bullet technology has taken a quantum leap in recent years and it pays to go with the best. Don't forget to select a good holster. Poor designs are slow to draw from or give you away. Did I mention practice? Right now, some bad guy is out there snapping some caps and, someday, you might meet. Like the Boy Scouts say, be prepared!

**P&SN**

*Captain Mike Boyle served with the New Jersey Division of Fish & Wildlife, Bureau of Law Enforcement, and has been an active firearms instructor for more than 30 years. He has been an assistant police academy director and remains active as an academy rangemaster and instructor. Mike has served on the Board of Directors of the International Association of Law Enforcement Firearms Instructors (IALEFI) since 1996. He is the architect and coordinator of IALEFI's Master Instructor Development Program.*

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Sensor, resolution	384 x 288	384 x 288	384 x 288	640 x 480	640 x 480
Pixel pitch, µm	17	17	17	17	17
Frame rate, Hz	50	50	50	50	50
Magnification	1.6 ... 6.4	2.1 ... 8.4	2.7 ... 10.8	1.2 ... 9.6	1.6 ... 12.8
Field of view, deg	12.4	9.8	2.7	16.3	12.4
Range of detection, yd	985	1475	2000	1475	2000
Dimensions, in	11.3 x 2.8 x 2.6	11.2 x 2.8 x 2.6	11.5 x 2.8 x 2.6	11.2 x 2.8 x 2.6	11.5 x 2.8 x 2.6
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## NEWS

### Forensic Video Analysis System Supports Evidence Collection in Charleston, SC

Following the tragic shooting of nine African-American churchgoers attending a Bible study at Mother Emanuel AME Church in June 2015, law enforcement in Charleston, South Carolina, acted quickly to identify Dylann Roof as the suspect. Using surveillance footage from the church, law enforcement pulled photos of Roof and distributed them throughout the media. Less than 16 hours after the attack, police had arrested the suspect nearly four hours away from Charleston. Police were able to quickly identify and apprehend this dangerous felon, in part, due to new technology which the Charleston Police Department had recently acquired with support from the Bureau of Justice Assistance (BJA).

In March 2015, the department used funding from BJA's Edward Byrne Memorial Justice Assistance Grant (JAG) program to purchase a forensic video analysis system which expanded its digital examination capabilities. No one could have predicted how the new system would impact the very first case in which it was used just three months later. A full report on this success story can be read at <http://tinyurl.com/lupnh47>.



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# TECHNOLOGY FROM THE PAST

## Scientific Accident Prevention

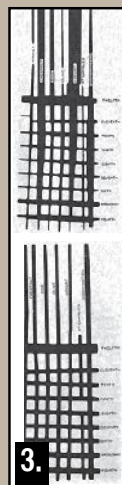
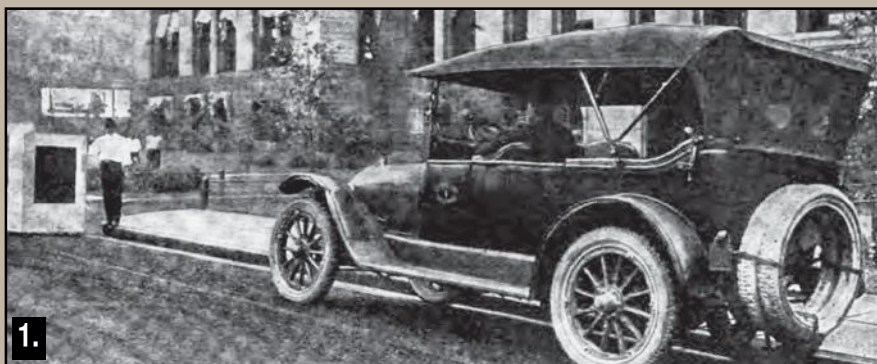
**T**he number of automobiles was increasing rapidly in the early 1900s, and the list of deaths and serious injuries caused by accidents grew longer day by day. It was difficult to place responsibility in most cases, so little was done to remedy matters.

The best results in accident elimination were found in St. Louis, MO, under the direction of Charles M. Talbert of the Board of Public Service. Talbert attacked the problem by charting the points of greatest danger in the network of streets, just as hidden rocks and shoals are charted for the benefit of seamen. After determining where the most accidents occurred, it was possible to discover the reasons for them in many cases and to eliminate the causes (or at least to warn the public of their presence).

### Surprise Findings

On a large map of St. Louis, the places where street accidents occurred were indicated by spots. Large spots showed where many mishaps occurred and small ones showed where they happened less frequently. The records of the police department and the Street Railway Company supplied the figures. The spotted map surprised the police and others who thought they were supplying the best possible protection. Many corners which were thought to be fairly safe showed a casualty list just as long as the dangerous crossings which were guarded by traffic police.

Investigation revealed causes which were not suspected. In several cases, it was found that the car sheds of the railway company were responsible – cars backing in and out resulted in collisions or other trouble. In other danger spots, it was found that the conditions of the street were at fault. So, here, an awkward jog was straightened or a high crowned roadway with an asphalt surface was reduced to prevent skidding. Where conditions could not be remedied so simply, it was at least possible to warn the police and the public that certain corners were dan-



**1.** This testing cabinet determined whether a vehicle's headlight was too bright or too dim.

**2.** Searchlights were utilized to shine a strong beam of light upon traffic officers while on duty.

**3.** A depiction of St. Louis streets which illustrates the volume of traffic above left (by varying street widths) versus the actual width of those same streets (as shown on the bottom)

*Photos: Scientific American*

gerous. Traffic signs were placed at the approach to such points, such as "Eighty accidents here last year! Be careful."

An unusual chart of traffic conditions was prepared which showed the volume of traffic on each block of the downtown section. A comparison with an ordinary map drawn to scale made it clear that there were certain points – and even certain streets – of undue congestion and measures were taken to guard these.

### Light 'Em Up

Two mechanical devices for the prevention of street accidents were developed and found to be practical. The first was the result of traffic policemen being struck by the automobiles they were supposed to be regulating. The imperfect lighting of the streets, with many rays of light coming from different directions, made it difficult for the motorist to see the policeman's signal, or even to observe him at all. Consequently, several officers were injured while on duty.

The solution to this problem was correct lighting of the street intersection so that the signal could be seen clearly. Since light from the side would cause a glare, it was decided to direct it from above. Accordingly, a powerful searchlight was placed in an upper story of a nearby building where it would project its rays down upon the officer. Half a dozen searchlights of this description were placed at dangerous corners and the number of accidents was greatly reduced. As an additional

safeguard, white waterproof coats and white gloves with large gauntlets were adopted for rainy or foggy weather.

### Establishing Standards

In order to standardize the headlights of automobiles and eliminate glare, a cabinet was created for testing these lights. The wooden box measured five feet high, three feet wide and 10.5 feet deep. A slot in the front allowed light from the headlights to fall upon a "test curtain" within the cabinet. After selecting a car on which the lights were properly adjusted, the vehicle was placed at a measured distance from the cabinet and its headlights were directed upon the slot. Behind the test curtain was an electric lamp and, by means of a rheostat, this lamp was regulated so that its light balanced exactly with that of the automobile headlights selected as a standard. In testing the headlights of cars, the rays upon the test curtain were observed through the peephole and, if they looked brighter than the light within (at the point where the two lights met on either side of the test curtain), then the vehicle's headlight was considered glaring and was reduced. If the automobile's light showed dim beside the standard light, it was increased. When the two lights balanced, the car owner received a card stating that its lamps had passed and a notice was pasted on the lens of the headlight, serving as a certificate for the inspection for traffic officers. **P&SN**

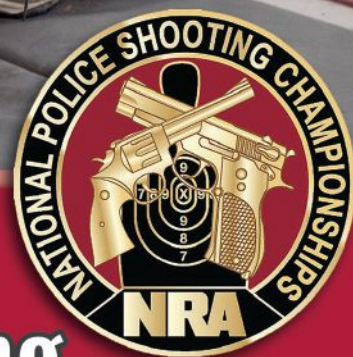




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# NEWS

## Two New Reports on School Safety Technology

The Justice Technology Information Center's school safety Web site ([www.schoolsafetyinfo.org](http://www.schoolsafetyinfo.org)) recently posted "Using Technology to Prevent Violence in Schools." This

new article looks at the results from two NIJ funded research studies, including details on technologies used in schools; factors affecting the use of these technologies; and what is known about their effectiveness. While you're on the site, check out more success stories, the calendar of events, resources and more.

## LAPD Revises Use-of-Force Policy to Reduce Police Shootings

Recently, the Los Angeles, California, Police Commission adopted a revised use-of-force policy which calls on officers to avoid resorting to deadly force by de-escalating the tension in interactions with the public. The policy has the backing of the union representing the Los Angeles Police Department's more than 8,000 rank-and-file officers. LAPD officials said that, with the recent focus on de-escalation, and now the adoption of the revised policy and training programs, the focus is on minimizing the number of police shootings and the use of deadly force.

To download a copy of the revised use-of-force policy, visit <http://tinyurl.com/ma4agyx>.

## Shodan – Search Engine for Internet Connected Devices

The Shodan search engine enables users to discover Internet connected devices – also known as the Internet of Things (IoT) – where they are located and who is using them. Users can also keep track of all the computers on their network which are directly accessible from the Internet to understand their digital footprint. The tool also includes power plants, smart TVs, refrigerators, and more devices.

Additional information is available at [www.shodan.io](http://www.shodan.io).

## "Understanding Digital Footprints: Steps to Protect Personal Information"

"Understanding Digital Footprints: Steps to Protect Personal Information" provides material designed to assist law enforcement personnel in protecting themselves and their families from becoming cyber targets: protecting personal information; cyber dos and don'ts; and links to further cyber training and resources. To view the full document, visit <http://tinyurl.com/m4acwvg>.

Additional resources are available on the Law Enforcement Cyber Center Web site at [www.iacpcybercenter.org](http://www.iacpcybercenter.org).



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### The New FN 509™

FN America, LLC has announced the launch of the **FN 509**, an all-new 9mm striker-fired pistol. The **FN 509** was born out of the company's effort to produce a contender for the U.S. Army's Modular Handgun System (MHS) competition.



Built on the architecture of the FNS™ Compact, FN made changes internally and externally to meet the rigorous performance standards of the MHS requirements and further developed the platform into the **FN 509** with help from industry experts. Over the course of development, the platform has been tested extensively for reliability, ammunition compatibility and durability – totaling more than one million rounds.

Aesthetic changes to the platform include the aggressive cocking serrations, enhanced grip textures, guarded controls, and recessed target crown on the barrel. Critical internal components were completely redesigned to ensure maximum performance.

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### New Vehicle Handgun Mount

Gum Creek's **Vehicle Handgun Mount** is ideal for carrying a handgun in a vehicle for convenience or self-defense when you don't want to keep your pistol on you while driving or for situations when a weapon is desired to be in close reach. Simply use one of Gum Creek's holsters (standard or concealed options are available separately) or any common type of belt holster. Install the mount directly into the gap below the steering wheel column and secure it at the bottom of the dash/kick panel. The mount releases in seconds and is not vehicle or firearm specific.



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## NEW TECHNOLOGY

### New 4G Body-Worn Camera

Sentinel Camera Systems, LLC has introduced the **Protector 4G LTE Body-Worn Camera**. It transmits live video, audio and GPS location in real time, day or night, to a police, command or dispatch center, while simultaneously recording and retaining video in the camera itself.



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## HURST Jaws of Life® Introduces Six New Tools

HURST Jaws of Life, Inc. has announced the launch of six new tools, including cutters, combination tools and spreaders which give first responders more power, more speed and wider blade openings.

The new tools include the **SP 777 Spreader** and **SP 777E2 Spreader** – The **SP 777 Spreader** is slimmer and lighter than its predecessor. The **SP 777E2 Spreader** has a single integrated cylinder body design and large blade opening.

Also new are the **S 312 Cutter** and **S 312E2 Cutter** and the **SC 358 Combi** and **SC 358E2 Combi**.

All six tools feature the ergonomically designed star grip for tool actuation from almost any gripping position, and a dead man control valve which reverts to neutral position if a responder's hand slips from the control. All eDRAULIC tools come with two Li-Ion rechargeable batteries and one charger.

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## New Family of sUAS

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~ John Farnum

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# BUSTED!

James L. McClinton, Ph.D

***It looks like he picked the wrong week to quit amphetamines...*** In Pennsylvania, authorities say a man mistakenly sent a text message to a prosecutor indicating that he wanted to trade marijuana for heroin. An assistant district attorney in Luzerne County received a text using drug lingo which was an "obvious text for a drug deal." She later received a photo of a plastic bag containing a green substance on a scale. Authorities said a 29-year-old Plymouth man was arrested at the supposed drug swap outside a shopping center in Edwardsville. He's now being sought after failing to appear for a hearing. *(Don't worry, I'm sure he'll send another text to police in a day or two letting them know where to pick him up.)*

***"Heinz sight is 20/20"...*** In Sandusky, Ohio, police say a couple in Ohio staged a murder scene in a bathtub in which they poured ketchup over her and he then sent pictures to friends saying he did it. Officers showed up after getting calls from three people who they say were "hysterical." But, they quickly discovered that the scene in the couple's bathtub had been staged and ended up charging the couple with inducing panic. Both have since pleaded not guilty. *(This is what happens when your pranks "catch up" with you.)*

***He was probably too distracted to notice the officers when they arrived...*** A man who threatened a clerk with a pair of scissors tried to rob the local Lowe's store in Kissimmee, Florida. Other employees and shoppers came to the clerk's rescue and the failed robber fled the scene of the crime, jumping over a fence and onto the grounds of a nearby resort. There, he carjacked a golf cart from a security guard. But, his flight to freedom was short-lived when police quickly arrived. They had no problem spotting the fleeing felon because he was the only one there wearing clothes. It turns out that he had jumped over a fence and onto the grounds of the Cypress Cove Nudist Resort. *(I wonder how the arresting officers managed to stay "focused" on their task?)*

## REAL STORIES OF GENUINE ABSURDITY



### Ratted out by a squirrel...

In Meridian, Idaho, a homeowner returned to his residence and noticed evidence of a break-in. He called the police and, when investigating officers arrived, they immediately spotted the homeowner's pet squirrel (who had the run of the house) and saw that the animal was in an agitated state. Investigators found footprints in the snow outside the house and tracked down the alleged burglar. During questioning, the officer observed numerous scratches on the suspect's arm and the explanation offered was enough to seal his fate. He told the officer, "Damn squirrel kept attacking me and wouldn't stop until I left." *(How do you show your face in the hood ever again after running from a squirrel?)*

***"Do you think these handcuffs make my butt look big?"...*** In Sheboygan, Wisconsin, an 18-year-old woman and her 27-year-old boyfriend set up a meeting with a man "to meet and hang out," but their actual intent was to rob him. They managed to pull the crime off flawlessly, but the police tracked them down through the woman's Facebook posts. When the officers arrived at her parent's home to place her under arrest, she asked her father to take pictures of her in handcuffs so she could post them on Facebook. *(Back in the day, we used to call that a "Kodak moment.")*

***Maybe they were trying to "clean" up their act!...*** In New Jersey, police say the twin brothers who stole 180 bars of soap from a supermarket weren't able to make a clean getaway. Absecon police say they dumped 30 six-packs of Dove soap into a large bag and bolted for an exit with employees in pursuit. Police say the twins were knocked down when they ran into a trash can,

but got back onto their feet – only to fall again after running into a shopping cart. As the twins turned a corner, they came face-to-face with a police officer who was investigating an accident in the parking lot. *(They needed to Dial® it up a notch and should've made sure the Coast® was clear. Now, they're all washed up.)*

***Oops! He forgot to buy the Internet!...*** A man recently bought hundreds of copies of a weekly upstate New York newspaper in an unsuccessful effort to keep people from reading about his DUI arrest. Police also charged him with refusing to be fingerprinted or photographed. The 12,000 circulation Times of Wayne County says it obtained a mugshot from the county jail. It then printed it and a story on New Year's Eve and published them online. The owner of the newspaper said the man bought nearly 1,000 newsstand copies at \$1.25 each. *(Well played! No one will hear about this now!)* **P&SN**





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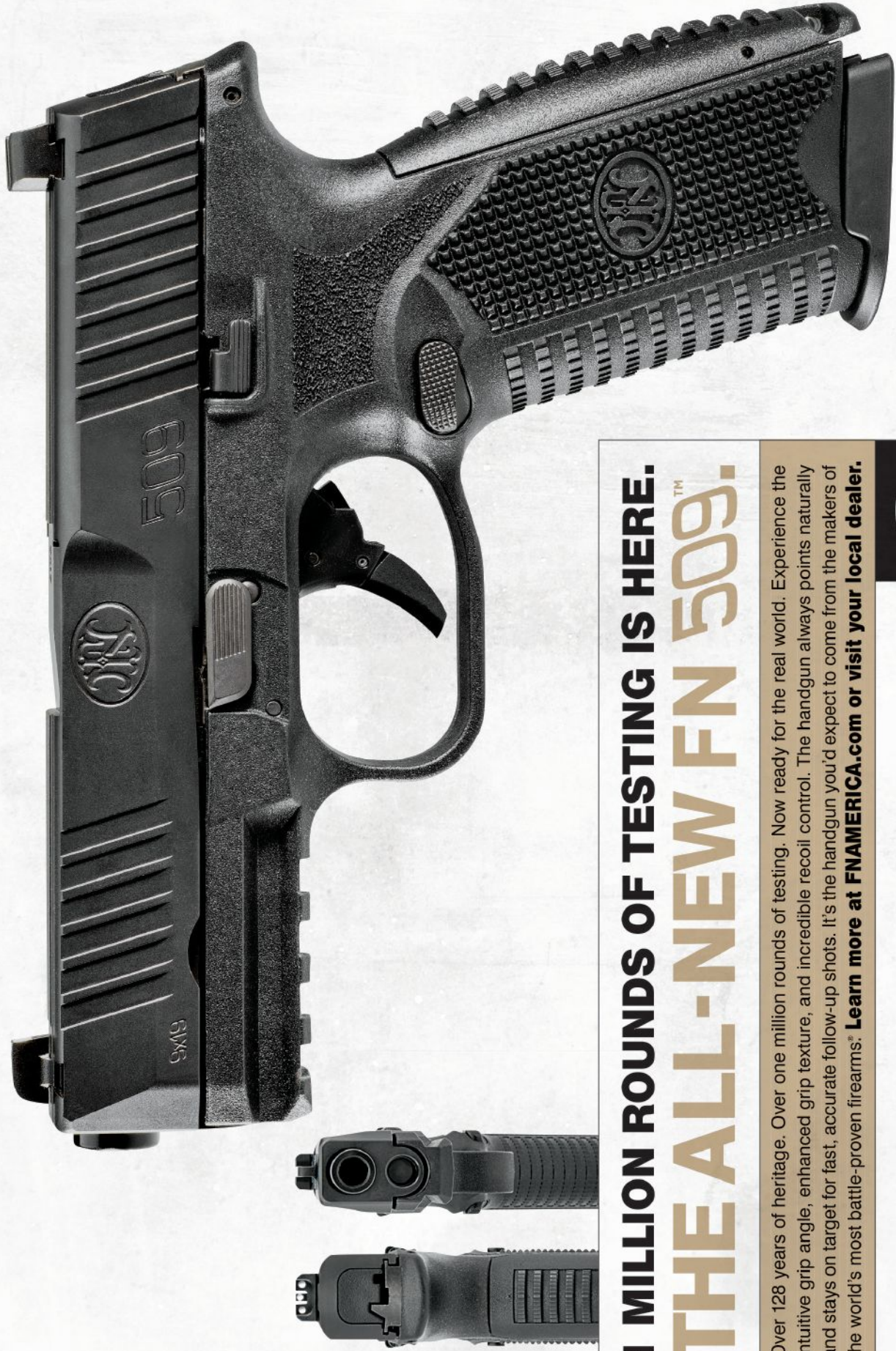


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