

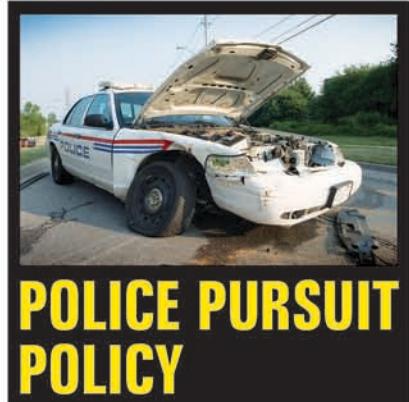
**The Information Source for Law Enforcement and Homeland Security**

January/February 2014  
Volume 30 Issue 1



**DoubleTap's  
Tactical Pocket Pistol**

- **The Most Important Skills for Staying Alive**
- **Successful Strategies for Online Education**
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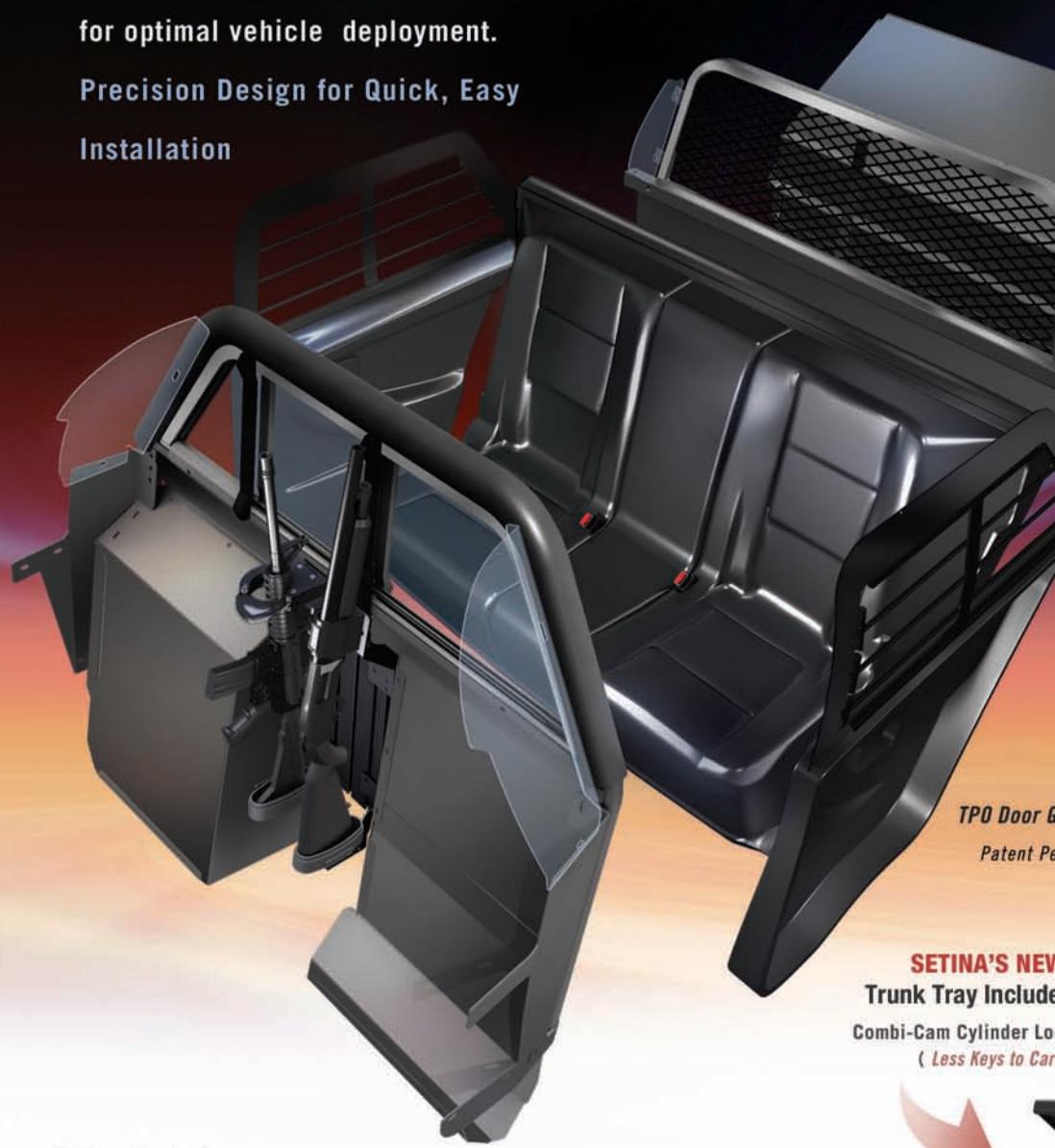
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# Focus On Technology

## Firearms/Ammunition and Accessories

### New PPQ M2® 5" for 2014 →

The Walther® PPQ M2 5" is a striker-fired action pistol with a smooth Quick Defense® trigger. It's precocked with a constant trigger pull of 5.6 pounds for greater control, accuracy and reset.

Standard with every PPQ M2 series handgun are three interchangeable grip backstraps, so that the user can custom fit it to his unique hands and grip.

With an overall length of 8.1 inches and a barrel length of five inches, this lightweight German engineered pistol is suited for either right- or left-handed shooters. The new model only weighs 23 ounces and has a magazine capacity of 15 rounds for the 9mm model and 11 rounds for the .40 S&W version.

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### New Tipped MatchKing™ Loads ↑

Black Hills Ammunition has added two new performance loads, a **5.56mm 77-grain** and a **.308 175-grain**, for 2014. Both new loads feature the newly developed Sierra Tipped MatchKing bullets. The sleek polymer tip on these new MatchKings increases the Ballistic Coefficient (BC) to an incredible .420 on the **5.56mm 77-grain** and .535 on the **.308 175-grain**. These impressive BCs provide improved external ballistics with less drop and wind drift. In addition, the new tip design improves terminal performance by providing more uniform on target performance compared to standard open tip match bullets.

**Circle 1004 for More Information**



### New 12-Gauge Shotguns ↑

American Tactical Imports is now offering the **TAC-SX2** and the **TAC-PX2** tactical shotguns in 12-gauge. Both models have 4140 chrome-moly steel, 18.5" barrels which are chrome-lined on the inside and both come blued, as is standard in tactical shotguns. The **TAC-SX2** is a semiautomatic, while the **TAC-PX2** is a pump-action 12-gauge.

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### New Line of Ammunition ↑

Liberty Ammunition has announced the **Civil Defense** line of superior ammunition for law enforcement personnel. Available in 9mm, .40 S&W, .45 ACP and .380 Auto, Liberty's high-performance ammunition has twice the effective range of standard ammo; provides up to 16% less felt recoil; and has considerably less weight in loaded magazines. The **Civil Defense** lead-free rounds are made from nickel-plated copper with a nickel-plated brass cartridge case. Every round exceeds match-grade quality in performance.

**Circle 1006 for More Information**



### New Value Priced Full-Frame Firearms ↑

Kahr® introduces their first value priced, full frame CT40 and CT45. Both the **CT4043** and the **CT4543** feature a full-size polymer frame with a stainless steel slide and white bar-dot sight configuration. The **CT4043** features a four inch barrel; an overall length of 6.5", a height of 5.13"; and weighs just 21.8 ounces with the magazine, making it perfect for concealed carry. The **CT4543** has a barrel length of 4.04"; an overall length of 6.57"; a height of 5.25"; and weighs 23.7 ounces with the magazine. Both models feature a 7+1 capacity and ship with one seven round stainless steel magazine.

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### Innovative Duty Gear ↑

From DutySmith comes **StreetForce Rapid Deployment Gear** with an ergo-tactical design. The proprietary design features Sure Grip Tabs for more reliable equipment deployment, even in adverse weather conditions; Easy Grab Notches to give greater fingertip access space to the equipment and ensure reliable deployment and control; a Snag-Free Interior for fast and easy deployment and reholstering; and an all new spring-loaded flap which will pop up, stay open and stay out of the way for quick and unobstructed deployment of your critical equipment. **StreetForce** products will be available in Spring 2014.

**Circle 1007 for More Information**



### New Ultracompact in .45 ACP →

Magnum Research, Inc. has introduced an ultracompact, ultralight concealed carry firearm in a .45 ACP caliber, the **DE1911U**. With a three inch bull barrel and featuring an 11° muzzle crown, the **DE1911U** is built on a frame made of aircraft grade aluminum alloy with a 4140 high carbon steel slide and an adjustable rear sight for windage and elevation. It also has a high-rise beavertail safety, skeleton hammer, and an aluminum trigger.

The .45 ACP **DE1911U** has a 6+1 round capacity; an overall length of 6.85"; a height of five inches; and weighs just 25.8 ounces.

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Ramesh Nyberg

## WHAT WOULD CHARLES ATLAS HAVE TO SAY?

**From crime fighting to pro football,  
bullies continue to wreak havoc on our lives.**

When I was a wee third grader, I went to lodge a complaint with Mr. Angelo, our phys ed teacher. In my six years at South Miami Elementary School, I never saw Mr. Angelo's eyes. He wore sunglasses every day, all day, and he leaned against a basketball post and ate peanuts, hardly ever saying a word while he watched us play. I told Mr. Angelo that a sixth grader was shoving me and giving me a hard time.

Never leaving his comfortable spot, he cracked a peanut shell against the post and said, in a gravelly voice, "Nail 'im."

"Um, okay, thanks," I replied.

I never "nailed" the sixth grader – it would have been sheer suicide. But, I tell this story to demonstrate how our school systems dealt with the idea of "bullying" in those days. I don't think the verb even existed back then. Yes, you had "bullies," but

shoving people, giving people "noogies" and generally making other's lives miserable were commonplace. You did it to others, they did it to you and, most of the time, you ended up calling those people "friends."

I couldn't help but think of that incident when, about two months ago, a grown man who makes millions of dollars playing professional football – and stands 6' 6" and weighs 345 lbs. – started making claims of being bullied. I found the whole thing tremendously intriguing, for several reasons. I spent nearly three decades of my life engaged in the same profession you are in – the business of assessing information and investigating claims of all kinds. Besides that, this "bullying" incident is alleged to have taken place on the Miami Dolphins, a team I have followed since, well, the days of Mr. Angelo.

I listened carefully to several player interviews as they spoke to the media and I tried to find nuances in their words and facial gestures which might give me some clues. Every one of them seemed puzzled and stated flatly that they never witnessed any bullying. Others, most notably, retired Dolphin Channing Crowder, explained the culture of the NFL locker room. It reminded me a lot of police work.

"Rookies get hazed, man. That's just the way it is," Crowder said. "And, if you show a weakness, they will jump on it like wolves. They will go after you, mess with your head and keep riding you until you stand up for yourself and show that you're not taking it. If that means shoving someone up against a locker or knocking someone in the head, that's what you do. Then, it's over and everyone goes on about their business." Does that sound familiar?

Rookies in police work went through all kinds of teasing, pranks and verbal abuse. They were made to do special details which no one else wanted to do. It was a rite of passage. It was how we all evolved in the profession. After six years on the job, I went to homicide and my six years meant nothing – I was treated as a *rookie homicide detective* which meant that, for about six months (maybe longer), every decomposition case was mine and, every time we were on a scene at two in the morning, I went out and got the squad coffee. If you complained about it, no one would hear it. It meant you simply didn't belong there. After a while, when everyone saw you could take the jokes and the comments – they could be ethnic or gender-related – with a smile and that you could give it back a little, you were in. The test was passed.

As I write this, my son is four days away from being shipped out to Parris Island for Marine Corps basic training. That will be 13 solid weeks of nonstop "hazing." I'm glad our military hasn't given in to what seems to be modern society's love affair with timidity and victimhood. I don't want oversensitive, esteem seeking wallflowers toting rifles next to my son. I want hardcore, courageous, resilient fighters. I don't think the

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enemy will be sparing his “feelings,” so why should his drill instructors?

In our school system – and in almost all school districts nationwide – bullying became a high-level issue as far back as five years ago. In 2010, every teacher in our district had to present several lessons on bullying to each and every class he (or she) taught. School offices were required to have “bully boxes” where students could drop anonymous tips. Every complaint was followed up.

Now, the concept of bullying has spilled over into criminal culpability. Most of the nation has heard about the suicide of Rebecca Ann Sedwick, the 12-year-old girl who jumped to her death in Winter Haven, Florida. Two girls who allegedly tormented her relentlessly were actually charged with aggravated stalking, a felony. In Florida, *harassment* is enough for a stalking charge and harassment is defined in F.S. 784.048(1a) as, “to engage in a course of conduct directed at a specific person which causes substantial emotional distress to that person and serves no legitimate purpose.”

Lousy grammar notwithstanding, this is about as broad as statute writing gets, isn’t it? It doesn’t even say that the stalker has to kill himself (or herself) or anything like that – just a “course of conduct” which causes “substantial emotional distress.” Aggravated stalking goes something like this, “A person who willfully, maliciously, and repeatedly follows, harasses, or cyberstalks another person and makes a credible threat to that person.”

Even with Facebook posts and witnesses, the Polk County State Attorney’s Office dropped the charges. Is it just me or does this record keep skipping? (Sorry, that’s old folk’s talk.) It’s a terrible tragedy what Rebecca Ann Sedwick did to herself, but lots of people have been bullied and harassed in this world and they don’t kill themselves.

We can’t keep running to the government to solve our inability to keep our composure.

We keep overlegislating things, hoping that doing so will make society better. What has the construction of “hate crime” statutes done? Has it effectively deterred haters from committing crimes or has it obfuscated the criminal process and made jury instructions one big head scratcher? How do you assess the mental state of someone who is committing a crime?

Look, we need to be nice to each other. I get it. I’m just not sure we can legislate that, though. People – especially kids – also need to be protected from being harassed and bullied. I have kids and I get that, too, but there’s also something to be said for the idea of teaching your kids to be resilient. Remember, we need tough people to be soldiers, cops, teachers and parents. If we start churning out generations of softies, then our enemies won’t have to fire a shot – we’ll be too damned busy suing each other and charging each other with feelings violations.

And, what will happen to Jonathan Martin, the 6' 6" behemoth offensive tackle for the Miami

Dolphins? Well, he will likely be paid a nice sum of money to go quietly into the night. His accused “bullier,” fellow offensive lineman Richie Incognito, has been on unpaid suspension for the last two months while the NFL conducts an investigation into Martin’s allegations.

I can’t help but wonder what ol’ Mr. Angelo would have said about all of this.

Yeah, he would have said, “Nail ‘im.” 

*About the Author:* Ramesh Nyberg retired from law enforcement in November 2006. He spent 27 years in police work in South Florida, 22 of those years in homicide as an investigator. He has taught homicide investigations and interview/interrogations at the local police academy. He now teaches criminal justice classes at a high school in the Miami area. His students frequently read the copies of Police and Security News he brings to the classroom. Mr. Nyberg enjoys hearing from readers and he may be contacted at ramesh.nyberg@gmail.com, or you can read his blog at <http://nyberginvestigations.blogspot.com/>.



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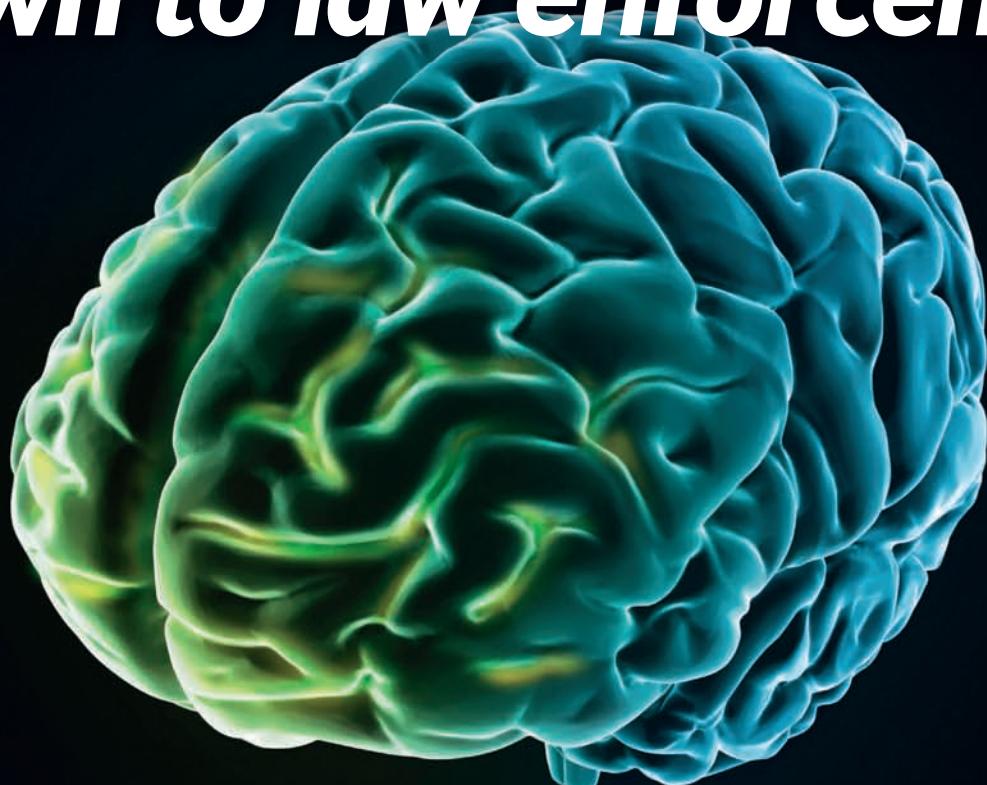
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## Tactical Training Tips & Tools



**Barrel porting and fixed sights**

the .45ACP cartridge. Chamberings of 9x19mm, .40S&W and .45 Colt/.410 shotshell are either in progress or are available as of this writing. To the good, you don't have to buy another DTTPP to have the choice of caliber. You can buy conversion kits – a stand-alone barrel assembly – and simply switch them as you like.

This DTTPP has an anodized black aluminum frame and a black MIL-STD corrosion-resistant finished barrel assembly. Its sights are part of the barrel assembly. The front sight is a small ramped nub of a post, while the rear sight is no more than a shallow groove terminating rearward in a square notch. The weight with the aluminum frame is 13 ounces. (With a titanium frame, the weight is 15 ounces.) The overall length is 5.5", the width is .665" and its height is 3.9".

The patent pending, double hammer, sequential firing system with second strike capability is in the top portion of the frame and its two firing pins appear to be spring-loaded.

The barrel assembly is held to the frame using a removable small headed cross pin at the front of the frame. The pin can be reinserted from either side and, as a nice touch, the access hole for the pin is countersunk.

To release the barrel assembly, push either side of the frame mounted, spring-loaded, ambidextrous thumb latch release. The latch is at the lower rear of the barrel assembly. When released, the barrel assembly swings upward to a 45 degree angle, providing access to the two barrel chambers. The rear of the barrel assembly is relieved so as to serve as a loaded chamber indicator – visible from either side – where the base of a cartridge is exposed.

### **Two in the Grip**

The frame's grip is hollow. The cavity is termed the "Cartridge Trap" and it holds two spare cartridges. To access these, the Cartridge Trap door is released and allowed to swing open to remove the cartridges. According to the manufacturer, these cartridges are to be mounted on the supplied two round speed strip. The owner's manual gives very detailed and illustrated explanations on how to use the two shot speed strip to load the pistol and notes that it must also be used when storing the two rounds in the Cartridge Trap. One, two round strip and one, six round strip are supplied.

The sides of the grip area have vertical and

## THE DOUBLETAP TACTICAL POCKET PISTOL

**A Derringer for the 21st Century**

**T**he concept of a "derringer" has been around since handguns were invented. Of course, they were not called derringers back then. They were simply very short one- or two-barreled (or more) pistols which allowed a wearer to conceal it well.

I suspect the term "derringer" only became a general descriptor of these handguns after one made by Henry Deringer (the second "R" later added by others) was used by John Wilkes Booth to assassinate President Abraham Lincoln. The misspelling of Deringer as "derringer" stuck and is now the

generic term for nonrevolvers and semiauto pistols which have one, two or four barrels mounted on their frames – similar to the way "Xerox®" and "Band-Aid®" are used when referring to all such products. Despite this – or because of it – the manufacturer has chosen to label its product the DoubleTap™ Tactical Pocket Pistol (DTTPP).

### **Features**

The DTTPP has two, three inch stainless steel barrels, one atop the other, with or without barrel porting. This sample is ported and chambered for

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**The Cartridge Trap cover opened, with the correct orientation of the two rounds on its two round speed strip (partially inserted)**

horizontal cuts done to create a pattern of squares to aid in gripping the pistol. For the same purpose, horizontal grooves are on the forward face of the trigger guard; on the lower portion of the front strap; and on the rear of the Cartridge Trap cover. A lanyard loop is in a centered cut in the lower part of the otherwise smooth backstrap.

Doing a reload appears to be a task to be accomplished after the successful application of the already chambered rounds. This is done by either elevating the barrels to have cartridges or empty cases drop out, shaking them out or taking them

out with your fingers. However, the lack of an extractor is a problem if a case might be stuck in the gun's chamber.

#### **Heavy Trigger**

The heavy double-action trigger is protected by an ample trigger guard. Its double-action is described by DoubleTap Defense as, "The fully mechanical patent-pending roller-bearing trigger pull is glass smooth and also gives you second-strike capability...."

While no trigger pull weight is listed in the owner's manual under "Specifications," a number is indirectly provided in the Q&A section in response to a safety question. The "Q" asks, "What kind of safety does the DoubleTap have?" The "A" response is, "It features a Double Action Trigger System with a minimum ten pound trigger pull [italics mine] similar to revolvers manufactured for hundreds of years...." Using a Chatillon trigger pull gauge, I measured this sample's trigger pull weight at 15 to 16 pounds!

After multiple readings of the owner's manual, it's quite apparent that the manufacturer wants to aid the owner in safely handling and firing the pistol. As I see it, the larger your hands, the easier it is to get parts of you in front of the gun's muzzles. As an example, I wear an XL glove and the palm of my hand can cover the length of the pistol. I strongly urge everyone to read the manual as soon as possible, but definitely do so before loading and firing!



**The DoubleTap™ Tactical Pocket Pistol's one control – the ambidextrous barrel release with checkered head; the sides of the trigger are grooved.**

#### **Range Work**

My shooting buddies, Irv Gill, Joe Mulligan and AJ Stuart, helped me with the T&E of the DoubleTap. From the beginning, I figured shooting .45ACP in a narrow 13 ounce gun might hurt, so I brought two Uncle Mike's shooting gloves. Irv brought a carpenter's glove. Recognizing this pistol is not made for extended shooting of full power loads, we shot few – and, in my case, no – rounds without wearing a glove. A rubber grip is in the offing for extended shooting, but was not available as of this writing.

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*View of the breech  
face and firing pins*

At six long paces from the backstop, Irv set up eight inch GlowShot bull's-eye targets and a Warren reduced-size IDPA target for precision and defensive firing. I shot all of six rounds at the Warren IDPA target. I first shot two rounds of Winchester® 185-grain SWC Match factory loads left over from bull's-eye shooting back in the day and two rounds of Remington® 230-grain JRN. All of my first shot hits were about 12" above point of aim. After I stopped trying to use the sights and simply point shot, my hits were more centered.

#### Light Loads for Practice

Despite barrel porting, felt recoil was borderline severe when firing the 230-grain load, pretty much on par with what I experience shooting full

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Irv Gill's target results ranged from one inches to four inches.

power .357 Magnum ammo in a 3.5" barrel Smith & Wesson® N-frame revolver. For practice, I most certainly would use a light .45ACP load if I were to own this pistol.

On the bull's-eye targets – and firing very carefully – Irv's two shots measured 1.75" in width. With his second group, fired a bit more quickly, the two shots measured four inches. He did better with the Warren target's black, one inch centered square by firing two, one inch two shot groups and again doing so slowly and, then, a four inch, two shot group fired more quickly. He said the heavy trigger pull was a hindrance for him when shooting very quickly at any distance more than an arm's length away.

Joe shot a dozen or so rounds and then he had to leave, but he later pointed out that the DTTPP did what it was supposed to do which is to send rounds downrange at a target representative of a

threat. He would like an extractor, he said, and thinks the spare rounds stored in the grip are realistically inaccessible. He thinks the pistol looks nice, though.

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**AJ Stuart firing full power .45ACP  
ammo – note his facial grimace!**

AJ did the chronographing, in the course of which he fired in excess of 40 rounds. (He's also the youngest of the group.) The 185-grain LSWC Winchester averaged 667 fps, the 230-grain JRN Remington averaged 741 fps and the 230-grain JRN Black Hills came in at 744 fps.

The following week, AJ and Irv added more comments and exhibited the souvenirs of their shooting. They had DTTPP shooting "badges" (bruises) on the base of their shooting hand thumbs. They thought anyone who might want to shoot the pistol should definitely review the owner's manual.

One of them commented that he would be interested in shooting the DTTPP in 9x19mm to see how much less recoil this caliber would provide. All of us agreed, with AJ and Joe reaffirming Irv's comment regarding the heavy trigger pull.

Since the only purpose of a derringer is deep cover, I reviewed four holsters made by DeSantis Gunhide® which are listed among the accessories available from DoubleTap Defense. These include the DoubleTap Nemesis (for pocket), the Die-Hard Ankle Rig, the DoubleTap IWB and the DoubleTap Mini-Scabbard. It came as no surprise that I found all to be quite satisfactory.

#### War Story

As to the practicality of a pistol holding only two rounds, I admit to a bias. Back in my youth, a friend and I hitchhiked around the country during a college semester break. While on the road, I purchased a cheap .22LR German made import copy of the Remington O/U derringer. It was a piece of junk. While it would fire, empty cases could not be extracted unless you used a stick or a wire to punch them out because the chambers were cut crooked. After some shooting in the desert, I stuffed it away in my carry bag, along with what was left of the .22 ammo. I intended to fix or swap it back home.

A few nights later, we caught a ride with three

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guys our age. All of them were in the front seat, so we got in the back. Almost immediately, the driver left the main highway. I asked why and he replied that he knew a shortcut. My friend and I didn't think this was quite kosher and asked to be let out. No one answered. After a few minutes, I remembered the derringer. While my buddy pestered them, I dug it out and loaded it. I then "showed" it to the

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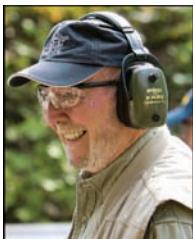
**For comparison: An 1859 patent dated Sharps four shot .22 short caliber derringer and the two shot DoubleTap™ Tactical Pocket Pistol in .45ACP which has 21st century patents**

driver, whose reaction was a hard about-face and back to the main highway, where he stopped and we got out. Almost as soon as they pulled away, we caught another ride. Since then, I've always liked derringers!

#### Dependable

Here, the DTTPP is everything my “junker” wasn’t – a dependable two shooter chambered for a time-tested cartridge. In review, I’d still like an extractor despite the logic of not having one, as I see the DTTPP primarily being used in a “do-or-die” event.

The DTTPP well fills the same niche as every other derringer has for centuries which is providing peace of mind by the simple act of having a gun. For anyone, particularly lawmen, having a “last ditch” fall back is a prudent practice and having one which is ultraconcealable and launches a couple of .45s is not to be easily dismissed! 



**About the Author:** Upon receiving his BS degree from Carnegie Tech and completing service as a Special Agent in U.S. Army Intelligence, Walt Rauch was a Special Agent with the U.S. Secret Service and an Investigator with the Warrant Unit, First Judicial District, PA.

Rauch is also a writer and lecturer in the firearms field. He is published regularly in national and international publications.

For more information, visit the Web site at [www.doubletapfirearmsllc.com](http://www.doubletapfirearmsllc.com), or call (855)243-4937.

Circle 1026 for More Information

#### DoubleTap™ Tactical Pocket Pistol Technical Specifications

**Model:** DoubleTap Tactical Pocket Pistol

**Action:** Double-action

**Caliber:** .45ACP, 9x19mm, .40S&W or .45 Colt/.410 shotshell

**Barrel:** Three inches, MIL-STD, corrosion-resistant, black finished stainless; ported or nonported

**Capacity:** Two rounds

**Receiver:** Black anodized aluminum; also available in titanium

**Front sight:** Fixed ramped post • **Rear sight:** Fixed sighting groove with square notch

**Overall length:** 5.5" • **Height:** 3.9" • **Width:** .665" • **Weight:** 13 oz. (aluminum); 15 oz. (titanium)

**Trigger:** Double-action; smooth, curved trigger face; pull weight in excess of ten pounds

**MSRP/complete pistol:** Aluminum nonported, \$499; ported, \$569; titanium nonported, \$729; ported, \$799

**Optional conversion kits:** Barrel assembly with two loading devices in .45ACP or 9x19mm –nonported, \$199; ported, \$269.



#### Chronograph Results

The following results were obtained using a Pro-Chrony® Shooting Master chronograph at 300 feet above sea level, with an ambient temperature of 55 degrees. The pistol used was a DoubleTap™ Tactical Pocket Pistol in .45ACP caliber with a three inch ported barrel with five shot averages for all data.

##### Ammunition (.45ACP)

##### Velocity (fps)

Black Hills 230-gr. JHP .....	744
Remington® 230-gr. JRN .....	741
Winchester® 185-gr. Plated SWC .....	648

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# Product Highlight

## Night Vision and Thermal Imaging Equipment



### MOROVISION NIGHT VISION, INC.

Utilizing two NEPVS-14s, Morovision has created a collimated binocular kit which is the first of its kind. Unlike any other night vision goggle, both units of the **NEPVS-14 Binocular** use their own intensifier tube and power supply. This drastically boosts both tube life and battery life, ultimately preventing the operator from losing night vision capabilities in SHTF scenarios.

Adding to the versatility of the **NEPVS-14 Binocular** is the capability and ease of quickly transitioning from binocular to monocular. Each side of the binocular is equipped with a “break-away” button which allows the unit to be split into two separate PVS-14s. Once separated, the individual PVS-14 acts as a force multiplier by being able to mount to a weapon or given to another team member.

**Circle 1029 for More Information**

### FISHER LABS

The **iGEN-LE™ monocular** replaces the traditional intensifier tube found in Gen 2 night vision with a micro-processor and CCD sensor. The result is that the price of night vision is dramatically reduced while adding image processing and the ability to take a picture. The **iGEN-LE** offers stunning resolution and superior image output which is ideal for surveillance and evidence collection.

**Circle 1030 for More Information**



### NIGHT VISION DEPOT, INC.

The **Binocular Night Vision Device with Single Gain Control (BNVD-SG)** has been redesigned to be lighter while increasing performance. This dual tube night vision goggle now operates with a single gain control knob; the user can adjust the tube brightness (gain) lower to compensate for overly bright conditions or to increase the gain under extreme dark conditions. It is available with Gen III Pinnacle Commercial and Mil Spec tubes and now comes with a ten year warranty!

**Circle 1031 for More Information**



### ZISTOS CORP.

The **Thermal Pole Camera System (WS-TPS-A9)** facilitates quick and thorough inspection of hard to search areas using thermal technology. Individuals trying to avoid detection in low light environments can be seen on the high resolution body-worn display with the image created by their body heat. The **WS-TPS-A9** is compatible with tactical surveillance options and accessories from Zistos and can be inserted into dangerous or difficult areas such as attics, crawlspaces, etc.

**Circle 1032 for More Information**



### N-VISION OPTICS

The **TWS-13** is a series of thermal weapon sights designed to provide the operator with a significant advantage in detecting, observing and engaging targets in all conditions, day or night. Combining a rugged and lightweight housing made out of aircraft grade 6061-T6 aluminum with thermal imaging technology, the **TWS-13** generates superior IR images and ensures target acquisition at the maximum possible range. The **TWS-13** is easy to operate with ergonomic and clearly marked digital controls. It is available in a variety of models with a choice of thermal detectors and a large array of optics to precisely match the operator's requirements and weapons.

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### AMERICAN TECHNOLOGIES NETWORK CORP.

The ThOR Thermal Weapon Sight System was designed to aid in ground-based night operations at an affordable price. It is a multipurpose system which uses the latest in miniature thermal sensor technology combined with the OLED display to provide a superior stable image in the smallest package available. Both the **ThOR336-1.5X** and the **ThOR610-1X** have frame rates of 30 Hz with a 19" focal length of the lens which allows for 1.5x optical magnification. While both models are compact, waterproof and dustproof, the **ThOR336-1.5X** weighs just 50 ounces and the **ThOR610-1X** weighs 25 ounces.

**Circle 1034 for More Information**



### MOROVISION NIGHT VISION, INC.

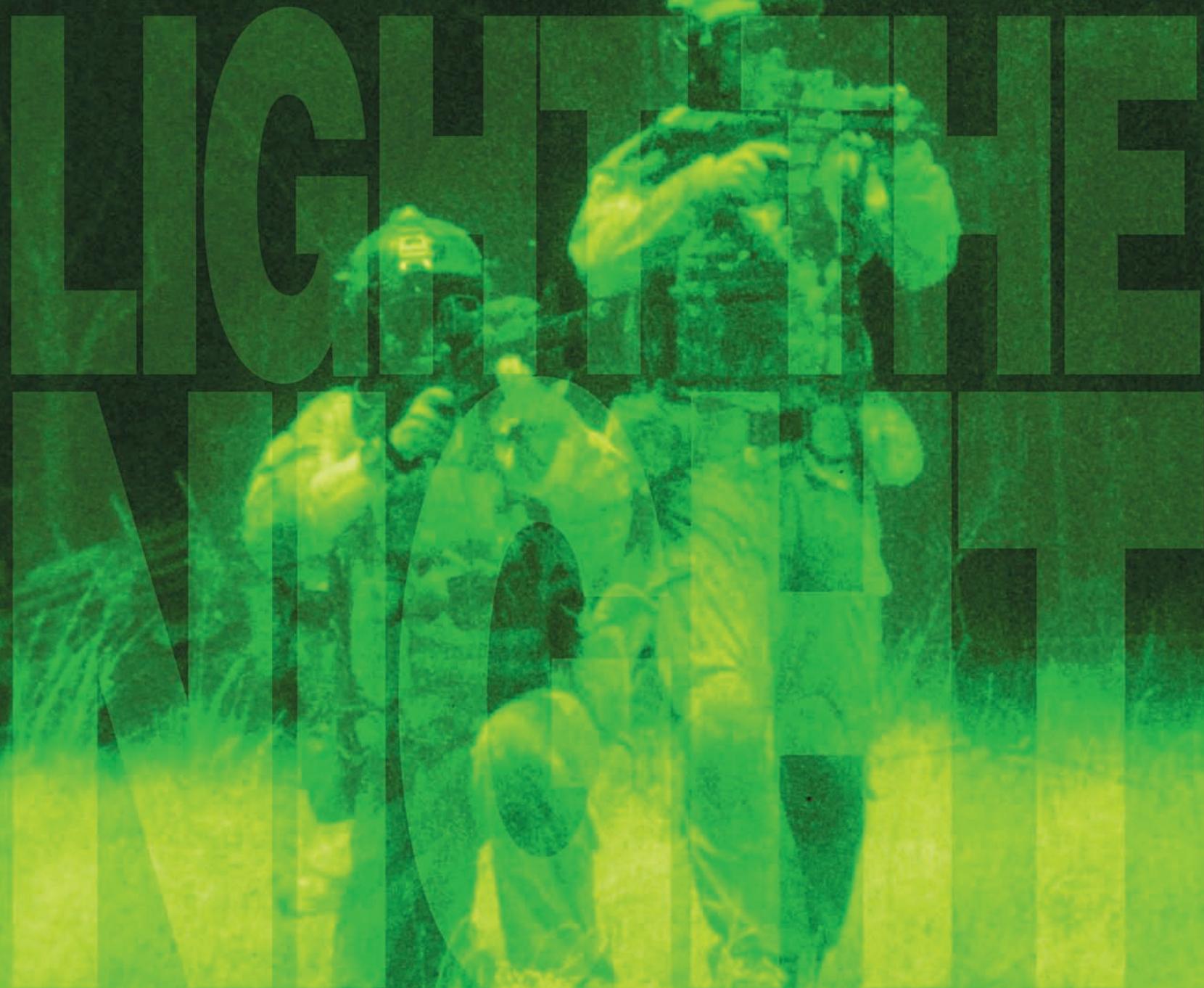
The **PVS-14 Clip-on Night Vision Device (CNVD)** is an optical alignment adapter which enables the use of a PVS-14 night vision monocular to add nighttime engagement capability to issued combat optical day sights without zero shift.

The **PVS-14 CNVD** allows the PVS-14 to act similarly to the PVS-22, PSV-24, PVS-27 and other clip-on night vision weapon sights by mounting directly in front of your existing day scope. This allows for night vision capabilities while maintaining your zero. With it, you can quickly and easily transition between a head mounted monocular to a clip-on weapon sight.

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# Above and Beyond...

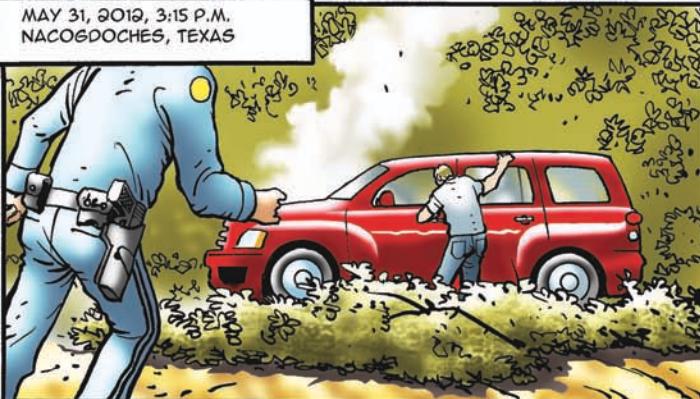
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"Above and Beyond..."  
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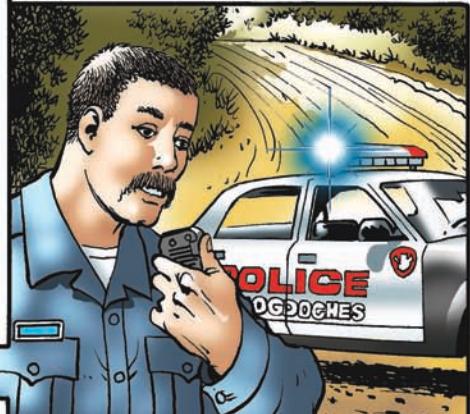


THE HIGH-SPEED CHASE OF A SHOPLIFTING SUSPECT BY NACOGDOCHES POLICE OFFICERS CAME TO AN ABRUPT END AT THE BOTTOM OF THE HILL OFF EAST SEALE STREET AND PRESS ROAD WITH THE CRASH OF THE SUSPECT'S VEHICLE! OFFICER JOHN ALLEN ARRIVED ON THE SCENE!

ADRIAN NICHOLS, A DOUGLASS VOLUNTEER FIREFIGHTER, WAS ALREADY ON THE SCENE! OFFICER ALLEN ASCERTAINED THAT THE SUSPECT, MICHAEL ARNOLD, WAS TRAPPED AND SERIOUSLY INJURED INSIDE THE SMOLDERING VEHICLE! ALLEN CALLED FOR AN AMBULANCE AND THE FIRE DEPARTMENT!

OFFICER ALLEN CIRCLED THE VEHICLE WITH FLAMES NOW ERUPTING FROM THE ENGINE COMPARTMENT AND WAS ABLE TO FORCE OPEN THE PASSENGER SIDE DOOR. TOGETHER WITH NICHOLS, HE WAS ABLE TO EXTRICATE THE INJURED SUSPECT!

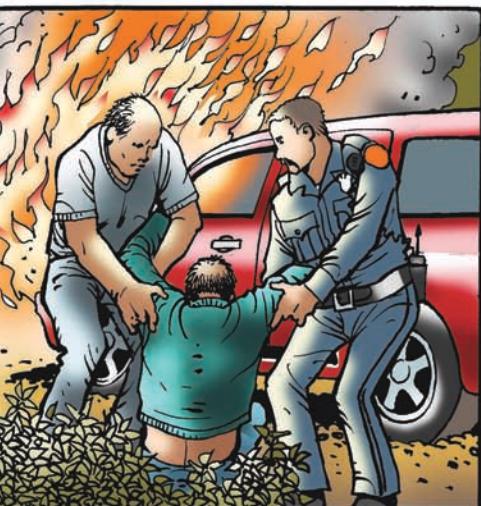
OTHER OFFICERS ATTEMPTED TO PUT OUT THE BLAZING VEHICLE WITH FIRE EXTINGUISHERS, BUT IT QUICKLY RAGED OUT OF CONTROL! ALLEN AND NICHOLS DRAGGED THE VICTIM TO A SAFE DISTANCE FROM THE BLAZING WRECK AND INSTRUCTED HIM TO REMAIN ON THE GROUND UNTIL THE AMBULANCE ARRIVED!



SMOKE WAS QUICKLY FILLING THE INTERIOR OF THE VEHICLE AS ALLEN TRIED TO FORCE OPEN THE DRIVER'S SIDE DOOR TO NO AVAIL!



OFFICER JOHN ALLEN WAS SELECTED FOR THE TEXAS LAW ENFORCEMENT ACHIEVEMENT AWARD FOR VALOR IN MARCH 2013 FOR HIS SELFLESS ACTION WHICH UNDOUBTEDLY SAVED MICHAEL ARNOLD FROM CERTAIN DEATH!



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**NEWS**

## App Teaches How to ID and Report Human Trafficking

According to the International Labor Organization, in 2012, there were an estimated 5.5 million children in the trafficking industry. Yet, the U.S. Department of State estimates only 0.4% of trafficking victims have been identified. Redlight Traffic, a program of the Seattle Kiwanis Memorial Fund, is helping combat this crime with an app for smartphones which features crowdsourcing.

The app, available for iPhone® and Android smartphones, teaches users how to recognize trafficking victims and provides a way for users to notify authorities of potential trafficking cases. For more information, see [RedlightTraffic.org](http://RedlightTraffic.org).

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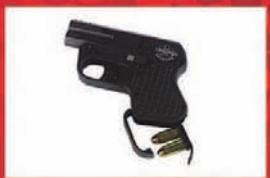
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Michael Carpenter

## HOW TO AVOID CAREER ENDING MISTAKES

**There are certain mistakes in the world of police supervision and management which can cancel out all of your good preparations and all of the good decisions you've made in your quest to become a successful police leader.**

Some of these mistakes are very common and, unfortunately, can be seen or heard around many of the coffeepots, locker rooms or hallways of police departments. Others may be less obvious. Either way, these career ending mistakes need to be avoided if you value your reputation as a boss; if you want your subordinates and superiors to respect you; and if you want to continue on a successful career path.

Some people might shake their heads at the apparent simplicity of avoiding these pitfalls. Others might feel that anyone with common sense would be smart enough to steer clear of these obvious mistakes. It is amazing how many police careers falter – and too often fail – as the result of good people failing to avoid these simple career traps.

### 1. Avoid Criticism of Others

Openly criticizing your subordinates is a sure way to ensure their contempt for you and to ensure their counterproductive activities toward you. You know there are no secrets among your officers so, once the word gets out that you are bad-mouthing one, the others will realize it is only a matter of time before you bad-mouth them. In the meantime,

you are disenfranchising all of them at the cost of their motivation, their productivity and your respect. You can't afford to lose any of those!

Openly criticizing your supervisors is also a surefire way to stifle your future career opportunities. Don't think that your officers are impressed that you're "one of the boys" when you start criticizing your bosses in front of them. Remember that you were promoted because someone wanted you on the management team. Management will soon hear of your negative comments and, as you all know, they have long memories!

Nobody likes or respects someone who talks behind another person's back. Keep your criticisms to yourself. Also, if you are around someone who starts to criticize, take the high road and either walk away or make it clear that you don't think the conversation is helping anyone.

### 2. Avoid Second-guessing

This is also known as "Monday-morning quarterbacking." We've all made tough decisions in our careers. Most of them work out and a few don't. That is part of the risk of the job. Your officers make decisions, you make decisions and your bosses make decisions. It has always seemed to

me that the "desk jockeys" (those who have never had to make a tough decision, those who have avoided making tough decisions and those who fear making tough decisions) are the most vocal and critical AFTER a tough decision has been made. It has also always seemed to me that the people who have made tough decisions in their career are more understanding, less critical and less vocal.

Subordinates should be encouraged to make their own decisions at the time, place and under the circumstances they were faced with at that time. It is incumbent upon their boss (you) to support those decisions, whenever possible – even if those decisions are less than perfect. Remember that the best hitters in baseball only average three hits out of every ten at bats. (Of course, we want your batting average in your career to be higher than that.)

### 3. Avoid Blaming Others

When in a position of leadership, everything which occurs is your responsibility – even the errors. Your job is to minimize the damage, correct the problem and assure that it doesn't happen again. Some bosses believe that public flogging (figuratively, of course) is the best way to prevent future mistakes from happening. In reality, the fear of overreaction by a boss often inhibits the performance and decision making of employees. Rather than risk public ridicule or overreaction, some employees would rather do as little as possible. This is not good for them or for you or for achieving the tasks and objectives you are trying to accomplish.

We are all human enough to make mistakes. They happen. Most mistakes are not critical or career threatening – they tend to be fairly mundane, unintentional and correctable. Confident and secure bosses deal with these mistakes and problems, take measures to prevent repeats and encourage their employees to move forward rather than crawl in a corner and do nothing. Placing blame on others shows you are a weak commander.

### 4. Avoid Overspecialization

Being a specialist in the lab, K-9, SWAT or other areas can result in a very rewarding career. I would encourage career-minded professionals – regardless of position or rank – to seek opportunities to broaden their careers and add to their résumés by getting as much specialization and training as possible.

However, too many years in one area or specialization, especially if you excel at it and make your boss look good, can limit your career. Some bosses might consider you "too valuable" to promote or transfer. Overspecialization in one area tends to make a person a skilled technician rather than an up-and-coming leader. Specialists seldom become leaders of large units or departments. Leaders need a wide variety of skills and experiences to succeed.

Perhaps the only exception to this might be in the area of accreditation. Based on my experiences, I have seen many lower level officers who were

given the chance to become accreditation managers quickly rise through the ranks of their agency. This is often the case because these officers, although working in a specialization, end up connecting with people of all ranks through the agency and get a focused understanding of all operations within the agency. This knowledge, and the contacts made throughout the agency, serves them well when promotions come around.

### **5. Avoid Arrogance**

Don't be caught up in the power and prestige of your position. Being promoted is a goal which many aspire to – and some do achieve that goal while others don't. I am reminded of some advice I heard from a crusty old sergeant who was trying to cool off a trooper who was "strutting" a little too much. The sergeant said to him, "Ya' know, there were a lot of troopers on this job before you got hired. They'll be a lot of troopers on this job after you quit. You're not special – you're just another body filling that uniform. Too bad you're not as good as you think you are." The same thing can be said about all of us – no matter what job we have. A little (or a lot) of humility goes a long way!

It's a big deal to get promoted, but do your celebrating in private. When you show up for work as a supervisor or manager, you need to remember that you're not special. You must always be willing to help your subordinates – even in the most mundane of tasks. You must always be available and approachable to your subordinates. An arrogant attitude will make you unapproachable and it will ultimately put you out of reach, out of touch and isolated from what is really going on in your unit.

### **6. Avoid Conflicts of Interest**

Keep in mind that the *appearance* of a conflict of interest can be as damaging to your career as actual corruption. Some bosses forget that their every action and every word is being observed and critiqued by their subordinates. Your conduct, appearance, work ethic and motivation must be beyond reproach. Your subordinates will feed off your behavior and conduct.

Avoid gratuities, special favors and preferential treatment if you want to be considered an officer with integrity. You need to be overly critical of your own conduct and choices to be sure that they are in accordance with the highest standards. If there is any potential conflict, or if there could be the *perception* of any conflict, you must always take the "high road" and make the right choice.

As a test of your integrity, tell your people that they can do anything they see you doing. That will put the pressure on you to follow the rules you make and enforce.

### **7. Avoid Unsavory Characters**

Who are your friends and associates? Are they the kind of people with whom a professional law enforcement person should be associating? There is an old saying which says, "You can pick your friends, but you can't pick your relatives." Well, in

the arena of law enforcement, we all should pay close attention to this. Some of our friends and associates outside of law enforcement may have made poor choices in their life; they may like to have a few too many drinks when they go out; or they may not present themselves to be the most reputable or professional. If people in the community see you socializing with people who don't have the best reputation in the community or who appear to be unsavory, they could easily make a direct association about your character and/or reputation.

Like it or not, our communities hold law enforcement professionals to a higher standard in many regards. A lot of people in the community know who you are, even though you may not know or recognize them. Some people wait for the opportunity to "catch" you doing something which could be perceived as wrong or take what you do out of context. For example, I was told years ago when I first got hired as a police officer to not go to any of the bars or restaurants in the community when I was off duty if I wanted to have a drink or get a meal. I was told that, even if I only had one beer with a pizza, somebody in the community would see me and then the rumors would start that I was drunk, etc., etc. I took this advice and, though some might say I was overly paranoid or too suspicious, I did what I could to keep my "community reputation" as clean as I could. Other officers I worked with back then did not.

Cultivate friends who have the same high ideals of honesty and integrity which you have – regardless of their professions – and you will be in good company.

### **8. Avoid Sexual Harassment**

This is the number one "career killer" in policing. No other act or allegation can end your career as quickly as being accused of sexual harassment. Even if you are officially "cleared," the allegations and rumors could stay with you the rest of your career. The "unofficial grapevine" of your peers, the long memories of your bosses and your reputation in the community (if the allegation is serious enough to get into the media) could limit your promotional opportunities years from now or your chances to be picked for a special assignment or career enhancing in-service training opportunities, etc.

In order to avoid sexual harassment, you **must** know what constitutes sexual harassment in the workplace today. Ignoring the reality of sexual harassment in the workplace will clearly jeopardize your otherwise successful career. Know and understand the laws, your department policies, and your role and obligations as an employee and/or as a manager regarding sexual harassment in the workplace.

### **9. Avoid Gossip and Rumors**

Avoid gossip and control rumors. Even if your department doesn't have a policy regarding workplace rumors and gossip, understand that it is your

responsibility to control your unit. You are responsible for the morale of your unit and rumors and gossip tend to undermine morale.

Regardless of your rank or position, avoid the tendency to bad-mouth your peers or bosses at all costs! Unfortunately, it's human nature to gripe, complain or talk negatively about other people. In the workplace, this can be fatal. If you bad-mouth one of your subordinates, word will get back to him (or her). That could affect your dealings with that person for many years in the future. Also, your other subordinates may feel it's just a matter of time before you bad-mouth them behind their back. This can cause a major problem in the respect you must have with your people in order to get a job done.

Gossip, rumors and negativity about others have no place in the workplace. It's your command and you are in charge. Handle it!

### **10. Avoid Lying**

Whether it is intentional or unintentional, avoid lying to anyone at anytime. Your credibility as a leader is always at stake and is always being evaluated by others. Be sure of your facts before you make a statement. Be sure of your authority and limitations as a boss before you open your mouth about a matter. **ALWAYS** be honest to a fault. It will serve you well throughout your career. In fact, in repeated surveys, employees have cited "honesty" as one of the most important attributes they want in a boss.

There are many career traps – some of a general nature such as noted previously and some specific to your department. Know about them and understand their nature. It's relatively easy for an intelligent, upwardly mobile officer, but you must work at it. With a little work and common sense, you can avoid falling victim to the common traps which have ended so many police careers before yours. 



*About the Author:* Mike Carpenter has been on the police side of criminal justice for more than 25 years. He started out as a city cop and then went to a state police agency (trooper, detective and patrol sergeant). After that, he worked for the New York State Police Division of Criminal Justice as a police training specialist.

*Currently, he teaches criminal justice courses at a college in upstate New York. He has two master's degrees; has been a certified police trainer for more than 20 years; has written numerous articles; and operates a police management consulting business ([www.policemanagement.com](http://www.policemanagement.com)).*

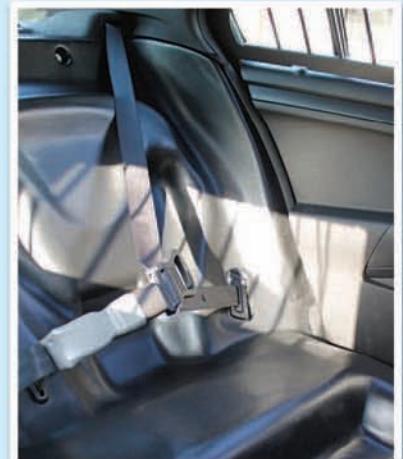
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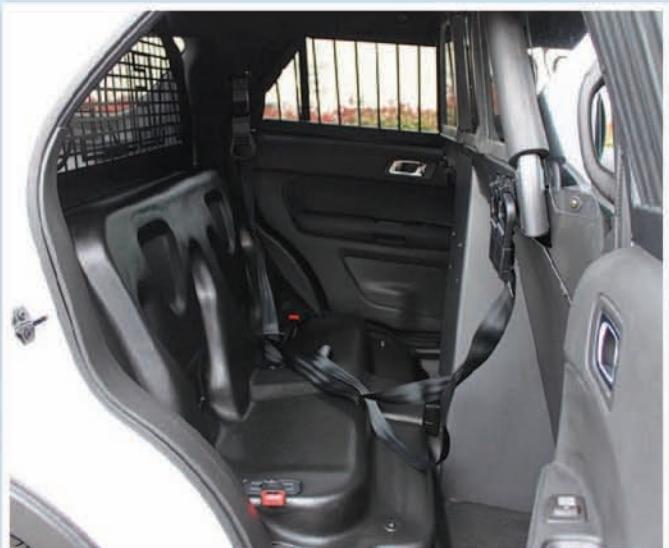
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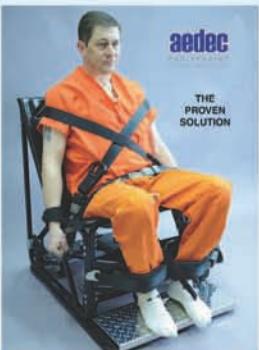
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# The Wheels of Justice



Sgt. James Post

## THE GREAT AMERICAN POLICE CAR CHASE— IS THE END IN SIGHT?

**According to the National Highway Traffic Safety Administration, nearly 360 people are killed every year in police-related pursuits.**

**L**et that sink in for a minute. Yes, according to a 2010 National Highway Traffic Safety Administration (NHTSA) report, nearly one person is killed every day in a pursuit on American streets and highways. Based on statistics gathered by the NHTSA and the International Association of Chiefs of Police (IACP), these numbers should shock you. If not, consider the fact that one third of the fatalities are innocent citizens and an average of one officer dies every six weeks in a pursuit.

### Are Police Pursuits in America Doomed?

Well, if you look at the lawsuits and court rulings, probably so. And, the cases of totally outlandish, ridiculous chases found on YouTube, Facebook and the six o'clock news only build the argument against pursuits. A case in point recently occurred in Cleveland. Without access to reports, I can't accurately discuss the reason the pursuit started or the climax, so I will concentrate on the numbers only. It has been reported that 75 officers involved (in some 60+ cars) face disciplinary action. That number is a real OMG moment. I worked for a large department, but, still, 75 officers would have been one entire shift from all five precincts combined! I'm sure all of you will agree that this was at least ten times too many officers/cars involved in a pursuit.

I approach car chases from four different perspectives. First, as a veteran of 25 years in a large city police department, I have been in my share of chases (and crashes). Next, as a field sergeant, it became my responsibility to monitor chases my officers were involved in and to terminate some if warranted. Next, as a driving instructor, I taught entrants how to pursue someone (and avoid crashes). Finally, after I retired, I had the unique

opportunity to drive one of my own restored police cars in a car chase sequence in a movie starring Billy Bob Thornton.

That experience taught me that art does not always imitate life when it comes to car chases in the movies. They are meticulously planned, tightly choreographed, rehearsed multiple times and usually employ trained drivers. The next time you watch a movie car chase, pay attention to the skid marks on the pavement already in place before the movie cars appear. That was the rehearsal. Police officers do not have the luxury of planning routes, speeds and maneuvers in advance. Sadly, many officers in America don't even have pursuit training.

My academy time in the mid-sixties was way too brief. There was no driver's training and the only thing I was ever told about pursuits was to always let the dispatcher know your location – every turn, every street and every direction. (This was crucial in my department because we operated one man units exclusively.) My second week on my own I had a young man in a hot rod run from me. I was in a part of the city I had never been in growing up and, despite my best efforts of memorizing the street guide, most of the time, I was lost on the side streets. Unfortunately, the kid did know where he was. At every intersection, he changed directions – a left, a right, two lefts, another right...you get the idea. I should add that this pursuit was on narrow streets built in the twenties and thirties, with cars parked on both sides – and it was at night. I was able to transmit a rough description, location and direction as the chase started, but it went down-hill from there –metaphorically. All I could think of was, "TALK TO THE DISPATCHER," so I kept the Motorola™ mic in a death grip as I pumped the floor mounted windup siren switch. And, with every turn, the cord kept getting shorter as I wound it around the steering column. I ended up with the mic cord shortened to the point I was talking into the steering wheel! Suffice it to say, the pursuit was over and "hot wheels" got away. It was years before I ever told this story about how I "lost" my first car chase.

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## Every Street Cop Knows:

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### The History of Chases

I suppose the good guys have been chasing the bad guys ever since we figured out the difference between the two. From the 1800's town marshal hastily deputizing the locals and mounting up to give pursuit, to the Model A chases which stopped at the county line in the twenties, to the souped up hot rods and cop cars of the fifties and sixties, to the slow-motion white Bronco freeway "chase"

broadcast live across the country, the bad guys have run and we've chased 'em. But, would it surprise you to know that 91.4% of all chases are for nonviolent crimes? (according to the IACP) We're not chasing stagecoach robbers, bank robbers or serial killers most of the time; we're chasing traffic violators and misde-meanors. And, the FBI tells us that 35-40 % of all pursuits end in a collision. Furthermore, 50% of all collisions occur in the first two minutes of the chase and more than 70% occur before the first six minutes.

Considering the deaths and injuries of innocent victims and officers alike – and the price of most police vehicles now being at, near or over \$20,000 – can we afford to continue to chase every idiot who runs?

### Why Do Cops Chase?

In the 2008 IACP study, 7737 chases from across the country were analyzed and these are the seven reasons given for initiating a pursuit: 1) traffic violation – 3271/42.3%; 2) vehicle believed to be stolen – 1409/18.2%; 3) driver believed to be intoxicated – 1150/14.9%; 4) violent felony – 665/8.6%; 5) nonviolent felony – 592/7.5%; 6) misdemeanors – 450/5.9%; and 7) assisting other departments – 200/2.6%.

While those are the "official" reasons given, I feel there are a few more (perhaps, unofficial)

reasons you won't find on a survey. Obviously, if a computer check of a license plate reveals warrants or wants and the vehicle takes flight, that's a bona-fide bad guy in most officers' minds, ignoring the fact that the driver could very well be someone else entirely.

One factor is something I call "disrespect for authority." Officers never respond well to people refusing to comply with their orders. Stopping for a police officer certainly is a lawful order and it's up to subsequent courts to determine if probable cause for the stop existed, but, without knowledge of a crime or a threat to the public, there is no reason to chase.

In police chases, the end certainly does not justify the means. For example, if a simple red light violator runs and risks the lives of pursuers and innocents alike, but turns out to be #1 on America's Most Wanted list, that still does not justify the chase.

Last is what I call the "Hollywood syndrome." I can hear the protests from some readers already, but I really believe that what children for the last 20+ years have been bombarded with on television, in movies, on the Internet and (particularly) video games has an effect on a lot of them. The runners have learned how to run and evade apprehension in a zillion scenarios and aspiring officers long for the thrill of the chase. Of course, this does not apply to everyone, but I'm certain these factors have

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influenced some individuals on both sides of the thin blue line. I've heard kids brag about how many times they have lost cops in a chase and I've heard young cops brag about never losing a chase.

Do not misunderstand me here: I love car chases in the movies and on TV. Like all of you (who will be honest about it), I have my favorites, such as the classics like *Bullitt*; *The French Connection*; *The Italian Job*; *Ronin*; *The Blues Brothers*; and the latest action flicks, such as the *Fast and Furious* franchise in which one of the stars, Paul Walker, tragically lost his life recently. The bottom line is that the entire action picture industry relies on car chases as a crucial element of their success or failure. Are we influenced by them? Yes. Are teenage males influenced by them? Hell, yes. To the extent these influences actually result in actions depends on the individual, of course.

#### Where Do We Go from Here?

First of all, there are two actions every department – regardless of size – must take. Without doing so, both you and your department are prime candidates for a lawsuit if a pursuit results in injury or death. These are certainly not a guaranteed invisible shield from litigation, but they should help.

**The first action you should take is to create a written pursuit policy.** If you have no policy, there is a suggested policy available through the IACP. You can also reach out to neighboring agencies



#### What can be done today to reduce your pursuit-related liability?

or your state police/highway patrol. Never take someone else's policy carte blanche, however. Tailor it to your specific jurisdiction and seek the help of your city attorney or prosecutor when writing it.

Following are my suggestions as to the minimum ideas a pursuit policy should contain.

**1. Establish the criteria necessary before a pursuit can be initiated** – i.e., probable cause, felony in progress, escaped convict – the information which must be known to an officer before initiating the chase. This section should also include instances where pursuit is NOT allowed.

**2. The number of vehicles allowed in a**

**pursuit and the responsibilities of each** – Seldom should more than three vehicles be needed in a pursuit: the initiating (or lead) vehicle and the two following which are responsible for all communications with the dispatcher, including descriptions of the vehicles and occupants; the speed, direction and location of the chase; as well as locations of known contraband and weapons. Additional vehicles can be involved, but in non-emergency status, on parallel streets.

**3. Speed limits and other traffic code stipulations during a pursuit** – Frequently, these are dictated by state law. These should be spelled out so there is no doubt and should be further defined by the area, time of day and weather.

#### 4. Provide methods of terminating a pursuit

– This may include spike strips, PIT maneuvers, rolling roadblocks, use of firearms and actions on the ground if air support is available.

#### 5. Supervisor and commander responsibilities for monitoring and/or terminating pursuits

– Obviously, this is determined by the size of your agency. Ideally, the monitoring member should be in the field at the time of the pursuit, as it is nearly impossible to monitor a fluid, rapidly changing event like a pursuit from a desk. Asking for all of the information needed to make the decision to terminate a pursuit (from a remote location) also creates an undue burden on the pursuing officers.

It is virtually impossible to articulate actions

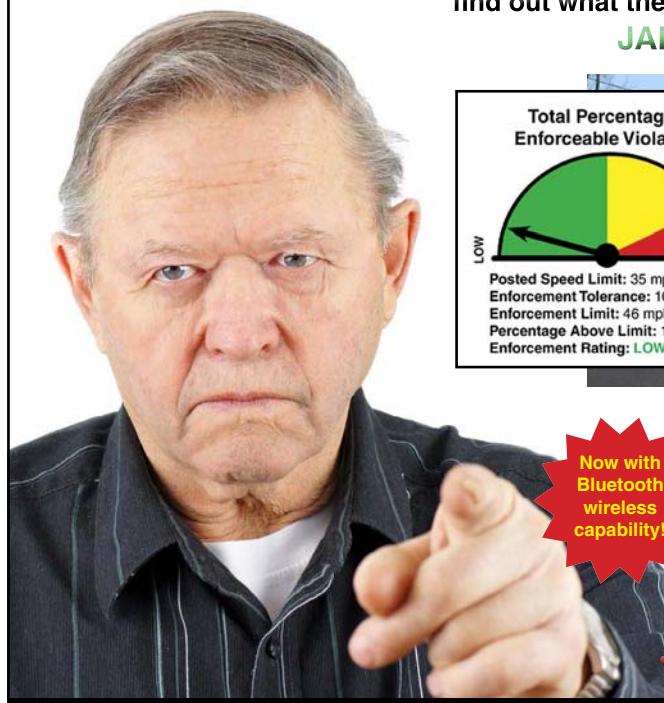
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to cover all situations which might take place in a pursuit, so the KISS (Keep It Simple and Short) principle might be the best approach. For example, during my tenure as a field sergeant on the day shift in a largely residential area, car thieves started a practice of bailing out of moving cars in the middle of major intersections when the good guys were right on their heels. My officers asked me, "What do we do; chase the thieves or stop the rolling cars?" I reminded them that our first responsibility is always the safety of the citizens and instructed them to secure the stolen cars before initiating foot pursuit. Perhaps a simple statement works best, such as "In police pursuits, an officer's primary responsibility is the safety of citizens."

I also strongly urge you to include a statement to this effect: "No officer/trooper/deputy will be reprimanded for terminating a pursuit (on his/her own) if he/she feels conditions exist which make it too dangerous to continue." This statement does two things. First, it guarantees they cannot be reprimanded for stopping a pursuit. Second, it should help eliminate the anxiety caused by fear of ridicule from fellow officers because they stopped the chase (chickened or wimped out). Peer pressure can be more powerful than any written policy.

Finally, in addition to in-service training, have each member sign and date the new policy in front of a witness.

The second action you should undertake is more difficult, but not impossible. Every member of your department who operates a department vehicle should be required to take (and pass) a certified driving course prior to certification. We spend countless hours on a firing range and require entrants to qualify with a variety of weapons in numerous situations and most agencies require annual recertification as well. Should we not give the same consideration to operating a vehicle, too? Of course, we should. After all, every time an officer "hits the bricks," it's behind the wheel of a two ton bullet. The odds of getting into a shoot-out during a tour are minuscule compared to the odds of getting into an accident. Those odds are increased even more during a pursuit. Compound this by the fact that contemporary police cars all have top speeds over 130 mph and some can hit 150 mph in the distance of less than two city blocks!

Training for your members can be conducted in a variety of ways. Naturally, the best is training on a course which features accident evasion, as well as both emergency driving and pursuit driving, and in vehicles similar to the vehicles in your fleet. In fact, the type of training vehicles utilized may even be more important than the training itself. For example, if you use FWD vehicles exclusively, your officers should be trained in FWD vehicles, as the characteristics are vastly different than RWD, both on the streets or on a driving course.

You have several options when searching out a training facility. City, county, state and, even, federal agencies may have tracks near you. There are commercial tracks around the country and several universities and colleges have driving ranges. One agency I knew used an abandoned airstrip. Even a high school driver's ed course is better than nothing.

As a driving instructor, other sergeants and I

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were trained at one of the best university level courses in the country, but, upon return to our department, we had to conduct our training in the parking lot of a professional football stadium. Of course, most of what we learned on the training course we could duplicate with a pickup load of orange cones, but we had to pray for rain or snow so we could duplicate the skid pad!

Folks, necessity is often the mother of invention and if you make driver's training the high priority it demands, you'll figure out a way to get 'er done. And, just like with firearms, don't be content with the initial training. Annual in-service driver's training is recommended and remedial training for accident-prone officers should be mandatory, with pass/fail scores rigidly enforced. I'll guarantee that, after getting a failing score, driving a desk will get old really quick for a hard charger.

Following along with the weapons training comparison, you should also consider familiarization training when you change vehicles. When my alma mater switched from wheel guns (revolvers) to autoloaders (pistols), every officer received training prior to carrying the new weapons. A switch from RWD to FWD or AWD (4X4) vehicles deserves the same consideration.

#### **Future Pursuits**

It's a given that police chases will continue, but it is hoped that future technology will diminish the pursuits which end with tragic results. Let's call this "nonlethal pursuit termination." Spike

strips and PIT maneuvers have had success and departments with helicopters and fixed-wing airplanes have had much success in tracking perps who flee in vehicles and on foot. Perhaps law enforcement drones can be used to track fleeing cars in the future, unless they are outlawed by overzealous civil rights watchdogs.

As more vehicles on the street are equipped with GPS and remote troubleshooting, it is hoped that manufacturers can disable engines mid-chase. The problem is that, if the crooks switch tags, we can't correctly identify the vehicle to access the onboard GPS.

There is an exciting new device available called StarChase. This consists of a compressed-air launcher mounted in a police car's grille. It fires a GPS module encased in a sticky tracking projectile which attaches itself to the vehicle being chased. This allows the pursuing officers to break off the chase and pass it (the chase) to dispatchers to track the vehicle. StarChase units are being tested by departments in Iowa and Florida at this time, but they are not without their own critics, too. The same civil libertarians who hate drones hate these devices and are trying to get legislation which requires a warrant before using any type of GPS tracking. That's a little hard to do at 100 mph!

Unfortunately, it's probably not the courts which will doom StarChase; it is simple economics. The launchers cost \$5000.00 each and every GPS tracker fired costs \$500. Let's see: To equip a

fleet of 100 Caprices (at \$22K each) with launchers (at \$5K each), we're at \$2.7 million. Throw in a few projectiles per car to allow for chases and missed trajectories which cost another \$150K and we're approaching the annual budget for a lot of departments! Hopefully, like most technology, these great problem solvers will become cheaper.

Faithful readers, we've used over 3000 words to discuss car chases. They're here to stay, I'm afraid. Certain bad guys will always run and (in some cases) we are duty bound to chase them. Unfortunately, we find ourselves in a time when lawyers outnumber doctors; police cruisers cost more than many of our first homes; and EVERYBODY has a camera. Discretion certainly is the better part of valor when it comes to pursuits and, hopefully, with well articulated policies and well trained officers, we can reduce accidents and their unwanted outcomes. 



*About the Author: James G. Post always welcomes your comments, complaints and praise. He can be reached at kopkars@arkansas.net.*

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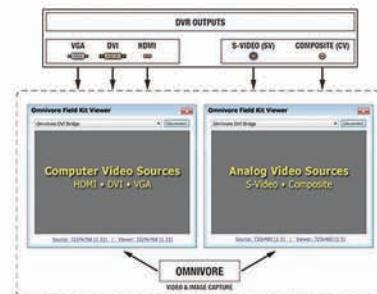
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## TRAINING TO FIGHT CYBERCRIME

Bill Siuru, Ph.D., PE

**Where can members of law enforcement gain the knowledge and skills needed to investigate the multitude of cases involving cybercrimes?**

Computers, the Internet, smartphones and social networks like Facebook and Twitter have revolutionized virtually every aspect of our daily life. Unfortunately, this has brought a new and exploding criminal activity – cybercrime. According to a recent *Wall Street Journal* article, cybercrime in the U.S. is estimated to cost \$100 billion annually from crimes like fraud, identity theft, industrial espionage, cyberextortion, computer scans, drug trafficking, copyright infringement and much more. Along with that is the physical and/or mental harm due to cyberstalking, child pornography, cyberbullying and online predators. Finally, there is cyberterrorism and cyberwarfare, now being countered by security agencies at the national level.

### Cross-border Crimes

Like everything associated with the digital age, fighting cybercrime is sophisticated and complex. Unlike the low-life criminals often found in Jim McClinton's column, "In Search of Intelligent Life," cybercriminals are smart, very computer savvy and are often not even in the U.S. It is estimated that a majority are between the ages of 15 and 26. Greatly compounding the problem is the huge number of types of devices involved – computers, tablets, smartphones, GPS devices, Xbox®es and more – with unique operating systems, data storage media and other quirks.

This adds up to the need for specialized training for law enforcement officers who deal with collecting and investigating electronic evidence. With the fast pace of new technology being introduced, continuing education is also vital. Fortunately, there are many resources which offer this type of specialized training. Here is a sampling of the ones which provide training – either on-site or online.



*The National Computer Forensic Institute training center in Hoover, AL*

### Training Resources

The National Computer Forensic Institute (NCFI), a federally funded training center in Hoover, AL, provides instruction to state and local law enforcement, legal and judicial professionals in digital evidence and cybercrime investigations and is operated by the U.S. Secret Service's Criminal Investigative Division and the Alabama Office of Prosecution Services. Based on the Secret Service's successful cyberinvestigative strategy, the free, comprehensive education covers current cybercrime trends and investigative methods, as well as the technological, prosecutorial and judicial challenges.

Travel, lodging and course fees are provided at no cost to attendees or their agencies. When called for in courses, NCFI students receive the same equipment and software as used by trained Secret Service agents. This means local officers and federal agents operate on common systems. As might be expected, the demand for this training continues to far exceed the number of available training slots.

For more information on the courses offered, visit [www.ncfi.usss.gov/ncfi](http://www.ncfi.usss.gov/ncfi).

For over three decades, the National White Collar Crime Center (NW3C) has helped state and local law enforcement prevent, investigate and prosecute economic and high-tech crime. Today, NW3C has more than 4,000 member agencies in the U.S. and its territories, as well as in 15 other countries. A large portion of the NW3C's mission is to provide training in computer forensics, cyber and financial crime investigations and intelligence

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### Cybercrime "detectives" at work

analysis. Free courses to law enforcement personnel fall into two fields:

1. Cyberinvestigation focuses on the needs of first responders who identify, and occasionally seize, digital devices. This includes identifying, seizing and interrogation of electronic evidence on cell phones, GPS devices and wireless networks.

2. Cyberforensics is geared toward investigators who analyze and process data. Its courses cover data recovery and acquisition for Windows®, Macintosh® and Apple® iDevice platforms.

More information can be found at [www.nw3c.org/Home](http://www.nw3c.org/Home).

Online cybercrime course training is offered by CiNet's Law Enforcement Training Network (LETN). Participants in these online courses will learn of the new tools available to police and forensic investigators to solve this new breed of crime. Cybercrime training covers many of the aspects of this type of crime, including basic forensic analysis of computers, hacker behavior,



## H.E.R.O. Corps

Law enforcement officers are not the only ones being trained to combat cybercrime. As part of the Human Exploitation Rescue Operatives Child-Rescue Corps, or H.E.R.O. Corps, 17 veterans, many of whom were wounded in the line of duty in Iraq and Afghanistan, are helping to bring perpetrators of online child exploitation to justice. Incidentally, Internet pornography has been the target of the strongest efforts at curtailment in child pornography.

The 17 "H.E.R.O.s" are participating in a one year pilot program to work with the U.S. Immigration & Customs Enforcement (ICE) Homeland Security Investigations (HSI) offices across the country. While working under the supervision of HSI special agents, they will conduct computer forensic exams, assist with criminal investigations

and help to identify and rescue child victims of child pornography and online sexual exploitation. On the front lines of the fight against online child exploitation, HSI has initiated more than 29,000 cases and arrested over 10,000 individuals.

The 17 wounded U.S. Special Operations Command (USSOC) soldiers and Marines were first trained at the Oak Ridge National Laboratory (ORNL) about child exploitation cases and the federal and state criminal laws which they will be helping to enforce. This was followed by seven weeks of training in computer forensic analysis and digital evidence collection at HSI's Cyber Crimes Center in Fairfax, VA.

The H.E.R.O. Corps program was developed jointly by the HSI, the National Association to Protect Children, the USSOC and the ORNL not only to protect children around the world, but to give military veterans a chance to apply their mind-set to track one kind of terrorist, the pedophile or child pornographer. The H.E.R.O. program is funded by a five year, \$10 million initiative from the private sector which underwrites training, logistics and equipment. The next recruitment for the program is expected to begin early this year.

evidence recovery, cybercrime response, storage forensics and E-commerce crimes. Also covered are the important subjects of search warrants for electronic evidence; fundamentals of hard drive technology to prepare officers if they are called into court; and how to predict, understand, and communicate with members of the digital underground. For more information, visit <http://tinyurl.com/7hb6sun>.

The Bureau of Justice Assistance (BJA) has partnered with the International Association of Chiefs of Police (IACP) and the Bureau of Justice Assistance, U.S. Department of Justice, to establish an online Law Enforcement Cyber Resource Center. It provides resources in all areas of electronic and high-tech crime, including training opportunities. For more information, visit [www.justice.gov/criminal/cybercrime/](http://www.justice.gov/criminal/cybercrime/).

Bullying has reached epic proportions. Actually, it has always been a problem, but has not been given its due recognition because it was often considered a rite of passage. Today, parents, educators and community leaders see bullying as a form of abuse with long-term effects, some even resulting in suicide. Since bullying can be a gateway behavior to other crimes, law enforcement should become involved early not just to protect the bullied person. Cyberbullying via E-mail, chatrooms and

social networks has become a major method of bullying. Thus, the National Crime Prevention Council offers courses and other educational materials on cyberbullying and intimidation for kids, parents and adults, including teachers and police. More information can be found at [www.ncpc.org/cyberbullying](http://www.ncpc.org/cyberbullying).

*About the Author: Bill Siuru is a retired USAF*

colonel. He has a Ph.D. in mechanical engineering from Arizona State University. His military assignments included teaching engineering at West Point, commander of the research laboratory at the U.S. Air Force Academy and Director of Engineering at Wright-Patterson AFB. For the past 35 years, he has been writing about automotive, aviation and technology subjects.

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Dave Spaulding

## What Are the Most Important Firearms Skills for Staying Alive?

**They're not high speed and/or low drag.**

No one teaches something because they believe it's inferior. I believe most firearms instructors teach their doctrine because they feel that it's the best. That said, I also think there is a current trend underway to teach stuff which is cool looking and designed to make the shooter feel like a special ops commando (at least for a weekend), but does this prepare you for actual conflict? I think it's done to make money and I hate believing this, but current circumstances make it a reality.

### Feel-good Training

Here's a good example: Recently, a close friend attended a course during which he shot 1,000 rounds a day over a two day period. He never shot further back than 15 feet and no instruction was given on how to develop needed skills – except to move all of the time, no matter what happens. The movement was minimal, due to the large number of people on the line, leading my friend to believe that the movement hurt his ability to shoot accurately more than it kept him from getting shot! The class shot a large amount of ammo with no shot placement encouraged or skills developed and it was called "combat shooting." I could not help but think that the course was two things: "a license to suck" (shoot poorly), but feel good about it; and a brazen attempt to make money with no skills taught. In the end, the students apparently felt really good about themselves, even thanking the instructors for all of the "instruction" – forgetting they still could not shoot



**Instruction in unconventional shooting positions, such as kneeling, will better prepare shooters for armed conflict.**

well enough to save their own life.

In my mind, a person becomes a combative firearms instructor because he (or she) wants to save lives – to help good guys and gals prevail when their life, or the lives of loved ones, are on the line. ***It's about offering solutions to real problems, not imparting doctrine at the cost of all else.*** When it comes to training cops, I do so because they are the people who willingly place themselves in harm's way to protect society and whether they are "into guns," or not, they need to be able to shoot well enough to save their own life and the lives of those they protect – nothing more, nothing less.

I also believe there is a trend for instructors to

create their own definitions for particular words to support their doctrine. I don't think there's anything wrong with this, but I prefer to refer to my old coverless, dog-eared, worn-out paperback (I know...old school) edition of *Webster's Dictionary* for such info. A few years back, after hearing some students complain about spending too much time working on shooting fundamentals, I looked in "Mr. Webster" to see exactly what the word *fundamental* meant. What I discovered was "forming a foundation or basis; basic; essential." **Essential!?** Wow, that sounds important and it led me to seek out the meaning of *essential*: "**Absolutely necessary; indispensable – n. something necessary or fundamental.**"

### The Basics Mastered

Let me make this perfectly clear so there is no misunderstanding: ***Shooting fundamentals are absolutely necessary – they are indispensable. In other words, they are essential!!*** It doesn't matter if you are shooting combatively or competitively, one's ability to grip the gun, control the trigger, present from various positions or the holster, manipulate the gun and clear stoppages is nonnegotiable. While they might not be as fun as "advanced" skills (high speed, low drag – whatever that is?), it would be wise to remember the words of Bruce Lee almost 40 years ago, "***Advanced skills are the basics mastered.***" I have been training cops for over three decades and I wish I had a nickel for every complaint I've heard while

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spending training time trying to anchor these essentials. Phrases like “They’re boring!” “We’ve done these before!” or “Let’s get on to the advanced stuff!” are often heard, but just because you have performed or practiced them before ***does not mean you are good at them!*** My response is usually something like, “Yes, you have practiced these before and you have certainly experienced these skills, but the problem is that you suck at them and need more practice.”

The goal behind instruction followed by practice is to absorb, then master, a particular skill to try and anchor it in one’s skill set as best as time will allow. Just because someone can perform a particular essential without stress does not mean he (or she) performs it well enough to save his (or her) life; thus, we continue to practice. Few law enforcement officers will get the training and follow-up practice to achieve true *unconscious competence* when they can perform a skill on autopilot. Lt. Frank McGee, the former head of the NYPD Firearms Training Unit, once said armed conflict involving police could be broken down to a “Rule of Three” – three rounds, three yards, three seconds – but don’t confuse this with a range drill as one of my former editors did. When I wrote an article about the “Rule of Three,” he stated, “Anyone should be able to shoot three rounds at three yards in three seconds,” and he changed the article to two rounds in two seconds...obviously this computer ninja missed the point.

### It Changes Everything

The point is that armed conflict, especially involving the handgun, is close, fast and over quickly with one or more people down or possibly dead – something my former editor did not grasp. **Someone shooting back at you changes everything** which is why essential skills must be practiced to the point of *autopilot*, though few shooters, especially law enforcement officers, truly achieve this. There will be no time to sort out, or “orient,” to what is happening. You will either rise to the occasion or you will not and the history of armed conflict has shown that the person who can go from observation to action the quickest will usually prevail, regardless of how tight a group they can shoot on the square range. Luck does play a part, but I refuse to fall into the old adage, “I’d rather be lucky than good,” as I have found the better, more skilled I have become the luckier I get. The essentials are, well, ESSENTIAL to fight instantly along with a cool head and commitment to the task, but then we have known for a long time the person who has confidence in his (or her) skills will better control fear and fight harder or with greater skill in conflict. Have you practiced your essential skills to the point required for such a high level of confidence in pandemonium? It is something good to know ahead of time.

A dose of harsh reality is in order: *There is no way to prepare for every potential situation you may face in a gunfight.* It just can’t be done as the



**Shooting in unconventional positions, such as seated, is one way to adapt the essentials to the situation unfolding.**

variables are too great, but that does not mean you can’t prepare. The truth is that armed conflict is **situationally dependent** on terrain, weather, number of combatants, what happens during the fight itself, personal skill level and commitment of the combatants, just to name a few. *The person who can best adapt his (or her) essential skills to the fight will likely win.* For example, you are sitting in a car when a fight breaks out. How different is drawing from a seated position in a vehicle than standing on the range? The physical action is similar, but the shooter must lean forward to make room in the seat for the arm to move back and draw, then clear the steering wheel and either shoot out the window or through the windshield. It is the same, but different, if you see what I mean. The draw stroke must be *adapted* to the situation at hand.

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### It's Up to You

I teach a course called Situational Pistol through my training company which addresses this very issue of adapting essentials to varied situations, but I will be the first to tell you that it is not enough to be truly prepared; it's just a start. Train the essentials on the range with the mind-set that you **will** have to shoot in varied positions so practice seated; on the ground; from behind objects; on stairs; in hallways; in rain; in snow; you know – adapt! This does not have to be on a range, but can be accomplished in your home via dry fire or in like and similar environments with Airsoft. Be innovative and it WILL save your life. Use "war game" scenarios in your head or from actual events reported online or in the news and work them out, recreate them or even develop solutions while practicing. All of this will better prepare you for the fight of your life – or *for* your life. It's up to you as we must all be active participants in our own rescue as nothing else will do.



*About the Author:* Dave Spaulding is a 34 year veteran of law enforcement and security operations. He retired with the rank of lieutenant and worked in all facets of law enforcement, including communications, corrections, patrol, court security, investigations, undercover operations, SWAT and training. He is the author of over 1,000 articles which have appeared in law enforcement and firearms publications and is the author of two best-selling books. He was named the 2010 Law Enforcement Trainer of the Year by ILEETA and Law Officer magazine.

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Bill Siuru, Ph.D, PE

# Virtual Reality Comes to Public Safety

**The Department of Homeland Security and the U.S. Army have teamed up to create virtual environments which allow first responders from all areas of public safety to stage complex full-scale training exercises. This multiplayer online virtual "gaming system" will soon be available at a bargain price – it's free.**

**A**ctive shooter" is every law enforcement agency's nightmare. How do you prepare and train for this scenario which seems to be happening with greater frequency these days? Live training of first responders is usually a rarity because of the expense, especially for smaller departments. Complicating the problem is that the first responders usually include not only multiple law enforcement agencies, but also fire departments and emergency medical services which have to communicate and coordinate their responses.

#### A Modern Solution

The answer is high-fidelity, virtual computer simulation training. Unfortunately, the cost to develop virtual training tools or modify an existing modeling or simulation game can also be very expensive. This keeps this type of training out of the reach of most of the first responder community. Therefore, when the first responder community asked the Department of Homeland Security (DHS) for a readily accessible, high-fidelity simulation tool specifically tailored to local agency needs, the DHS looked to the U.S. Army and its vast experience in virtual training. Incidentally, the active shooter scenario was the most common training requested by local emergency response agencies.

The DHS Science and Technology (S&T) Directorate, in partnership with the U.S. Army Training and Doctrine Command and the U.S. Army Simulation and Training Technology Center (STTC), developed the requested first responder training technology based on the Army's EDGE platform. EDGE, standing for Enhanced Dynamic



*One scenario involves a virtual active shooter event which takes place inside the model of a hotel in downtown Sacramento.*

Geo-social Environment, is essentially a big, immersive video game-like simulation. Indeed, it is built on the popular Unreal video game software.

#### Huge Potential

There are many single discipline virtual training games. What makes EDGE unique is that it handles multiple disciplines, allowing police, fire, EMS, dispatch, and unified command to train together on the tactical and strategic levels. EDGE was developed from existing technology which allows first responders to participate in complex training scenarios to improve coordination and communication across all jurisdictions.

The most important feature of EDGE is its flexibility. Most games are static so, once you learn how to play, you learn how to "beat the game." With the EDGE platform, which uses the latest

Multiplayer Online Gaming technologies, the game is entirely dynamic and based on the individual actions of individual players, so it is never the same simulation twice. EDGE scenarios have varying levels of difficulty to challenge first responders on their tactics, techniques and procedures.

Training simulations allow a large number of responders to train repeatedly – both as individuals and in teams – and simultaneously. By choosing different player roles, players can even practice the different and unusual functions typical in a disorganized environment – just like in a real emergency.

#### Create Your Own

In addition to the predesigned commonplace scenarios and environments, with programming assistance, agencies can customize their own 3-D scenarios, using existing infrastructure and resources to accurately depict the response environment within their own jurisdictions. EDGE can be used to prepare for a large-scale coordinated incident response involving a number of agencies and jurisdictions or it can be used for training for a single agency incident. Each virtual environment has been designed to improve skills like problem solving, critical thinking and communication.

S&T worked with the U.S. Army to create a 3-D environment for the active shooter scenario, as well as accurate avatars, equipment and simulations of individuals and crowds. The pilot scenario replicates an actual hotel in downtown Sacramento. This virtual 3-D simulation replicates the hotel's unique lobby with ballrooms on the bottom floor



## IPICD Completes Scientific Study on The WRAP™ Restraint System

The Institute for the Prevention of In-Custody Deaths, Inc. (IPICD) has completed a pioneering, retrospective, case series review of The WRAP Restraint System. The WRAP is a full body, temporary physical restraint consisting of three parts (ankle strap, leg wrap and locking shoulder harness system) which provides for the emergency stabilization of a person. According to the study's project manager, John G. Peters, Jr., Ph.D., "We analyzed several variables after The WRAP Restraint System had been applied to individuals by police officers in a variety of field settings from a total of four police departments in two states during the period 2005-2009." This seminal study (N = 128) answered several questions, including: if The WRAP was safe for the people on whom it was applied; when and how was The WRAP used; who was restrained in The WRAP; and what other force options were used by officers to restrain individuals who were placed into The WRAP? The issue of positional asphyxia is discussed from a scientifically-based perspective, including how using The WRAP may avoid this controversy.

Select findings included, but were not limited to, users reporting that The WRAP was 100% effective; no one died after being placed into The WRAP; and no associated additional injuries were identified during application of The WRAP. Three officers were reported present when The WRAP was applied. Data analysis identified four reasons for applying The WRAP: 1) to avoid individual self-harm; 2) to avoid officer harm; 3) to avoid self- and officer harm; and 4) to assist with a medical blood draw. Based upon the study's findings, The WRAP is effective and safe. The 112 page report also contains 18 best practices recommendations. Expert witnesses, lawyers, law enforcement trainers, police, jail, prison, juvenile facility administrators, managers, officers, and others who research, purchase, teach, or use restraint devices will find The WRAP report invaluable, insightful, instructive, and easily understood. More information about the study, including its Executive Summary, can be found at [www.ipicd.com](http://www.ipicd.com). ■



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**Virtual training allows first responders to practice real-life skills in safe environments.**

and a restaurant with a bar on the second floor. The hotel has 27 floors of guest rooms, a basement and two main entrances which lead to the lobby and the guest check-in area.

The pilot scenario provides a training platform for law enforcement, emergency medical services, fire, unified command and dispatch which must communicate efficiently to save virtual lives. The platform allows first responders from across jurisdictions to navigate geospecific terrain; use ultrahigh resolution vehicles, equipment and tools to execute on-site protocols and procedures; evacuate innocent bystanders; and apprehend the suspects.

#### Realism

Like in a real emergency situation, dispatch is an essential element in coordinating the response. The dispatch interface role includes a clock to monitor the time within the event, radio channel links and a text chat area where players can send and receive text messages (including 911 call transcriptions). By selecting an individual channel, the dispatcher can monitor and participate in role played radio transmission traffic using voice communication. The channels can be connected to allow cross communication between fire and police



**The EDGE platform utilizes the Unreal video game engine which helps to create highly accurate virtual environments.**

on the same virtualized radio network.

The police role, for example, must use common sense and critical thinking to resolve the problem while collaborating with each of the departments. For firefighter training, the scenario includes an entire fire propagation model inside the hotel so the virtual fire behaves like a real one: If it encounters flammable materials, it spreads throughout them. Even ceilings can catch on fire. Severely burned players will eventually pass away and bystanders can suffer from smoke inhalation. The role of the EMS players is to collect injured victims and bring them to the casualty collection point.

#### Not a Replacement

Virtual training will never replace hands-on live field training. However, live training is both time-consuming and expensive. Thus, the strategy is to train over and over in the virtual environment to establish and practice planning, protocol and response procedures. This should then culminate with a live event. Live and virtual training should work hand in hand to prepare first responders.

Additionally, virtual training allows first responders to practice real-life skills in safe environments. Realistic training scenarios arm first responders with the skills and confidence to respond effec-

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**If you're right on time, you're late.**

tively and efficiently during real-life incidents. Virtual training provides responders with the opportunity to strategize and practice responding with multiple disciplines and jurisdictions.

#### Available at No Cost

On November 20, 2013, DHS unveiled this new virtual training platform pilot project with a demonstration involving the city of Sacramento's police and fire departments. Feedback gained from the demonstration will be used to further refine the scenario. The virtual training technology is expected to be available to agencies nationwide in early 2014. The platform is designed so that any responder with access to a computer and the Internet can use the platform. Best of all, it will be free.

Though additional scenarios are currently not being developed, DHS eventually plans to include other scenarios and multiple user interfaces including a joystick, a keyboard and a gaming console. The computer system needed for EDGE is not very advanced. The primary requirement is a graphics card which can process the rich visual environment. While a 64-bit operating system is recommended, it will work with a 32-bit operating system. A 4 GB memory is the minimum requirement, with 16.0 GB recommended. Additional software is not needed if connected to the Internet.

For more information, contact:

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*About the Author: Bill Siuru is a retired USAF colonel. He has a Ph.D. in mechanical engineering from Arizona State University. His military assignments included teaching engineering at West Point, commander of the research laboratory at the U.S. Air Force Academy and Director of Engineering at Wright-Patterson AFB. For the past 35 years, he has been writing about automotive, aviation and technology subjects.*



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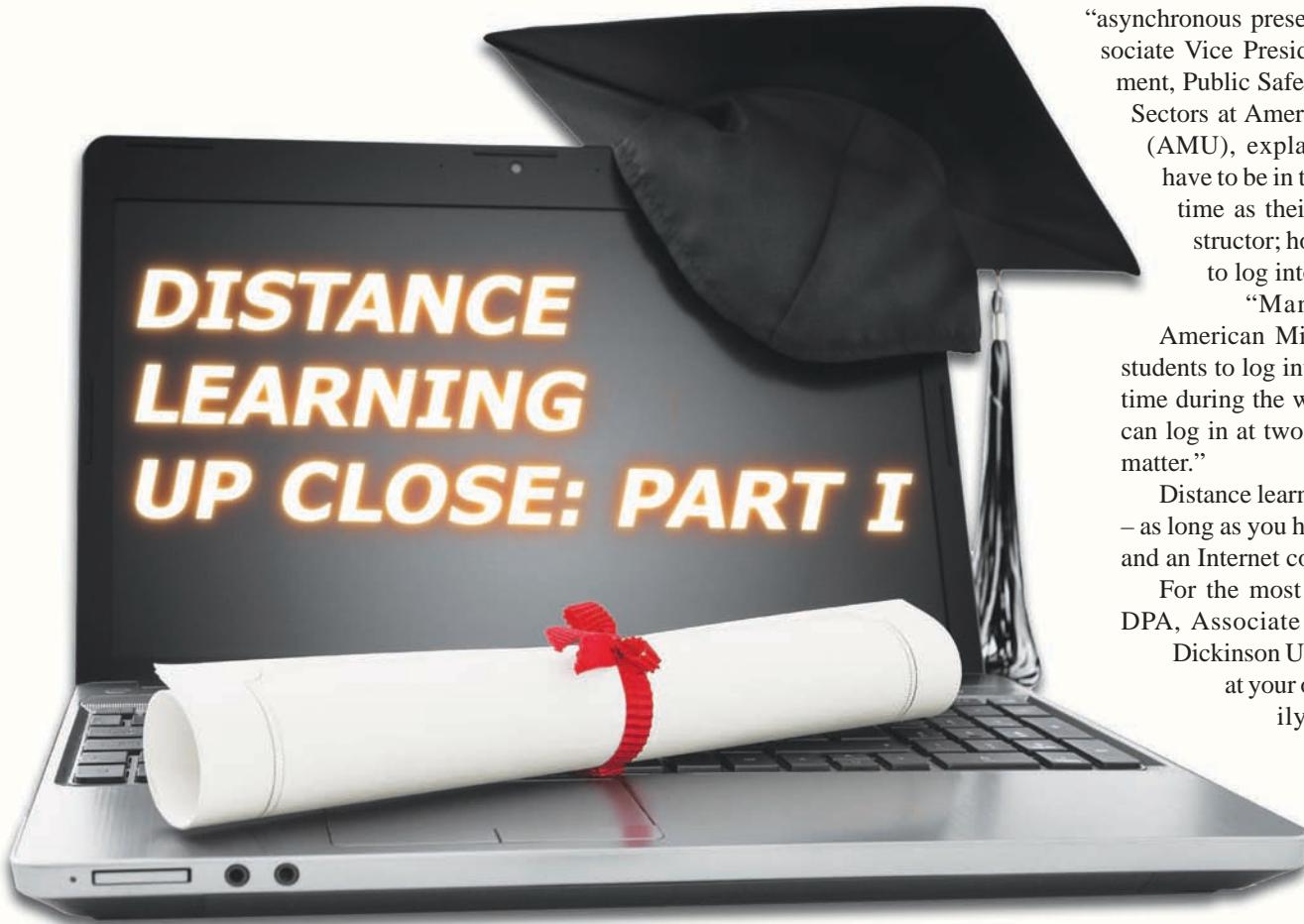
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**Rebecca Kanable**

**Many schools offering online education market themselves to law enforcement – and with good reason. The demands placed upon law enforcement often necessitate the flexibility provided in the anytime, anyplace online learning environment.**

**D**istance education courses and programs continue to increase in popularity. About 20 percent of all undergraduates, or 4.3 million undergrads, took at least one distance education course in 2007-08. About four percent of all undergraduates took their entire program through distance education.

In addition to those undergraduate students, about 800,000, or 22 percent, of all post-baccalaureate students took distance education courses in 2007-08. The percentage of post-baccalaureate students who took their entire program through distance education (nine percent) was higher than the percentage at the undergraduate level.

The U.S. Department of Education's National Center for Education Statistics looked at how many students take distance learning courses at the postsecondary level and reported its findings in "The Condition of Education 2011." Distance education courses included live, interactive audio- or videoconferencing; prerecorded instructional videos; Webcasts; CD-ROMs or DVDs; or computer-based systems accessed over the Internet. Correspondence courses were not included.

#### **Ready When You Are**

For distance education students, flexibility is more attractive than beautiful campus buildings,

modern works of art and lush landscapes. While you may miss the scenery, going back to school doesn't mean you have to go far. You don't have to worry about the weather or getting stuck in traffic.

Police officers working rotating shifts or nights might not be able to regularly attend a class on campus, but shift work does not need to limit an officer's accessibility to education.

Students attending classes online are given a syllabus and dates when assignments are due. From there, James Henderson, who chairs the College of Criminal Justice and Security at the University of Phoenix Southern California Campus, said, "They plan out their student experience around their work schedule."

Online, however, does not mean on easy street. "It's just a different modality," Henderson said. When students log in to do their class work, Henderson said students will find the academic rigor is the same. "There's going to be a high level of engagement," he said. "They're going to see an online classroom, have accessibility to an instructor and discuss topics with other students." Those students could be someone down the street or across the globe.

Generally speaking, online universities do not require their students to have a presence in the

classroom. Instead, they require what's called "asynchronous presence." Jeffrey Kuhn, Associate Vice President, Business Development, Public Safety and National Security Sectors at American Military University (AMU), explains that students don't have to be in the classroom at the same time as their classmates or their instructor; however, they are required to log into the classroom.

"Many schools, including American Military University, allow students to log into their classroom at any time during the week," Kuhn said. "They can log in at two a.m. or noon; it doesn't matter."

Distance learning is anytime, anywhere – as long as you have access to a computer and an Internet connection.

For the most part, Paulette Laubsch, DPA, Associate Professor at Fairleigh Dickinson University, said you can go at your own pace. If work or family obligations interrupt, you can accommodate the interruptions.

Many students are employed. "Online education, for the most part, at least at American Military

University, is geared toward adult learners," Kuhn said. The average student at AMU is 33 years old.

"Online education, in general, is probably not for individuals who just graduated from high school because they probably do not have the life experience or maturity and, really, the self-governing process which facilitates success in this area," Kuhn said. "There's a lot of self-discipline involved in online education."

#### **Make the Time**

Agreeing, Laubsch emphasized, "Students have to realize [that], even though their class is online, they need to set aside time each week to keep up with the work. We have a very good success rate with online students, but, occasionally, we will run into students who don't participate one week. The next week, they feel overwhelmed. They want to drop out because they are so far behind. You really have to stay on top of the work. You need to be self-motivated and focused."

Not only does falling behind make it difficult to catch up, Ronald Calissi, Executive Associate Dean and Director of the School of Administrative Science at Fairleigh Dickinson, said it affects your final grade.

At Fairleigh Dickinson University, online graduate courses last ten weeks. Blended programs (with some face-to-face time during the week, weeknights, or on Saturdays) are, sometimes, longer. Students may take one to three courses per quarter. Graduate degrees are offered in administrative science and Homeland Security. Undergraduate courses run 12 to 15 weeks. Undergraduates can take one to three courses four times a year.



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## New Mobile Forensic Examiner Training and Certification Available from Cellebrite

Cellebrite, the leading developer and provider of mobile forensic solutions, recently announced the launch of a new, higher quality, standardized mobile forensics training curriculum, culminating in a formal Cellebrite Certified Mobile Examiner (CCME) credential.

Cellebrite is the first to offer three different delivery models – classroom-based training, live online training, and self-paced online training – which improve Cellebrite customers' access to training which meets their budgetary, scheduling and learning style requirements. Training information and registration is available at [www.cellebritelearningcenter.com](http://www.cellebritelearningcenter.com).

The program empowers mobile forensic, investigative, and intelligence professionals in law enforcement, military, and corporate environments to employ mobile forensics best practices in their everyday work and, when applicable, to defend their practices with confidence in a court of law.

In recognition of the worldwide demand for effective mobile forensic training, Cellebrite retained industry veteran Buddy Tidwell to develop and deliver the comprehensive mobile forensic training curriculum. Under Tidwell's direction as Director of Worldwide Training, the training is being delivered with four components and three certification levels:

- An eight hour training course covering the fundamentals of digital evidence on mobile devices will focus on how mobile phones and other devices store data, and the best practices to use to isolate and preserve the data in preparation for legally defensible extraction and analysis.

- A 16 hour training course covering logical extraction and analysis – focused on rapid responders who need actionable intelligence from a variety of handsets in varying environmental conditions – will culminate in the Cellebrite Certified Logical Operator (CCLO) credential.

- A 24 hour training course covering physical extraction, decoding and analysis – focused on all the features and functions of the UFED Physical Analyzer software – will culminate in a Cellebrite Certified Physical Analyst (CCPA) credential.

- After earning the CCLO and CCPA credentials, trainees will be eligible to test their knowledge of all three domains. Written and practical exams will evaluate information retention and the ability to use the full range of features comprised by Cellebrite mobile forensics tools. Following successful completion of these exams, the trainee is eligible to earn the Cellebrite Certified Mobile Examiner (CCME) credential, administered directly by Cellebrite and available in the fourth quarter. Customers who hold legacy certifications will be eligible for equivalency testing to obtain their CCME.

"In keeping with our mission to set the industry standard for mobile forensics, we identified the need for a world-class training program which not only standardizes mobile forensic processes using our UFED tools, but also meets our customers' requirements for a high-quality curriculum and flexible delivery models," said Tidwell. "We are confident that students who obtain the CCME certification will have the skills they need to ensure the accuracy of investigations and operations which rely on mobile forensic data."

Cellebrite piloted the new curriculum throughout the summer of 2013, delivering each of the classes to nearly 50 forensic professionals. "Cellebrite's training exceeded my expectations for a class which could deliver its material clearly and in a way that I could put to immediate use in my work," said Doug Erkkila, a detective with the Sault Ste. Marie (Ontario, Canada) Police Department who participated in one class in June. "Aside from learning the product, I learned a lot about mobile forensics which, after ten years, I've found is growing faster than computer forensics. With the information I received in the three day Cellebrite Certified Physical Analyst course, I got a lot of training for the time and price, and can now utilize features and processes which help me obtain better quality evidence and intelligence. This is a course I would recommend to a new technical investigator to bring him or her up to speed."

To deliver the new curriculum, Cellebrite is relying on both internal training staff and authorized training partners who have been certified and trained by Cellebrite. More information is available at [www.cellebritelearningcenter.com](http://www.cellebritelearningcenter.com).

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## Rules For Rookies:

*If you don't know  
what to do, take cover.*

Henderson, who was working as a police officer when he got his master's online in 2003, said, "An online education allowed me to accomplish my education and my professional goals at the same time."

The University of Phoenix offers master's degrees in public administration and the administration of justice and security (with or without a concentration in global and Homeland Security or with a concentration in law enforcement organizations).

Recognizing that not all law enforcement officers who aspire to leadership in their agencies or their careers, in general, can attend the FBI National Academy or other notable organizations which prepare officers for leadership roles, AMU has developed a Graduate Certificate Program in Law Enforcement Executive Leadership which is introduced to the law enforcement community through state police chiefs associations around the U.S. Working in partnership with these groups, AMU offers customized incentives for officers within these states to enroll in, and complete, this program. Completion of this program also positions the officer so that he (or she) is halfway through earning a master's degree in criminal justice, management or public administration.

Prospective students often ask if they start working toward their degree online, do they need to finish online or can they enter the classroom and mix things up? Depending on the program, students may be able to take some courses online and some in person.

Many times, for the law enforcement profession, online learning is best, Henderson said, but, at the University of Phoenix, for example, they can tailor their education as needed.

### Educated Decisions

Students who wish to obtain credible online degrees must make educated decisions. The first question they should ask is, "Is the school accredited and by whom?" Some schools have no accreditation. Or, they may have accreditation, but what does that accreditation mean? Who is the accrediting body?

What will a degree from the school you are looking at mean to your employer or potential employer? Laubsch suggests schools not only be good schools, but good online schools and should have experience offering online courses. Course



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content should be rich with built-in features, threads of discussion, videos, articles and exams, she said. "It should be as good as, if not better than, a face-to-face class," she said.

Next, Laubsch said, they should look at who is teaching the courses. Are the teachers subject matter experts? Calissi gave an example: If someone is assigned to emergency management in his department and is talking about his role, he has credibility.

From there, potential students might look at an instructor's depth of knowledge and how enthusiastic and passionate he is about the subject he is teaching.

Laubsch said that subject matter experts can talk not only about theory, but how it's applied which, she said, is especially important for the adult learner.

"We want people to live and breathe and utilize principles, practices, techniques and applications as part of their regular workday," Calissi said. "To do that, you have to have a teacher who believes in what they're presenting and the student needs to believe [that] what they're learning is a fit for them. Once you have that alignment with belief and value, the rest will come easy."

The dialog which can occur online with everyone in class commenting and building on previous discussions is beneficial. "You wouldn't have time in the regular classroom to do all that; whereas, online, you have a whole week to participate and add to what you said before," Calissi said.

The anonymity of being online instead of in person lets students speak more freely, he added.

### Considering Cost

Certainly, cost is an important consideration. Look at not only the tuition, but the total bill. "If you're financing your education through student loans or another lending source," Kuhn said, "it's important to decide ultimately how much your education is going to cost versus how much you're going to make in your career after you graduate."

Some law enforcement agencies offer tuition reimbursement or assistance. Another possibility may be scholarships.

Frequently, training and experience in law enforcement can be used to obtain college credit. Kuhn cautions that, if the number of credits seems too good to be true, it may be too good to be true and cause for concern.

### Career Preparation

Even more important than cost may be career preparation. Eduventures, which provides research, data, consulting and advisory services for the higher education community, reported in 2013 that, for the first time, career preparation is the most important criteria considered when selecting a college.

A degree program may be flexible or it may be reasonably priced, but is it going to get you where you want to go?

Kuhn said adult learners are looking at whether schools have a degree program which will help them advance in their careers. "If you want to become a police executive, you should be looking at courses in leadership and management and, in some cases, strategic planning or labor relations," he said.

### Who Is in the Class?

Someone who is in law enforcement already knows how to be a cop, Kuhn added. Another consideration, he said, is the school law enforcement-friendly?

Are there a substantial number of others in law enforcement registered at the school? Who are your fellow classmates?

An argument can be made that diversity can be good, Kuhn said, but there can be comfort, particularly in the law enforcement community, knowing that classmates come from similar backgrounds and are like-minded.

Laubsch said that, sometimes, adult learners may worry they'll be in school with a bunch of kids, but that's unlikely. More likely, you will find people like you.

#### Just Ask

When considering online programs and

schools, Henderson suggests asking a lot of questions. He gave examples: "How long are the courses? Does the school have programs which are going to benefit you? Do the courses fit into your schedule? If you have done the research, you can have a high level of confidence in your decision."

If something worries you, ask about it. You may not have to take a GRE or an SAT, and there may not be an application fee. Schools will help you get the answers you need.

"Ultimately," Laubsch said, "the most important thing is to go back to school." Who knows where you'll go from here. One thing is certain: You'll be headed in the right direction.

"Going back to school will benefit you and your agency," Calissi stated. "You're going to feel better about yourself and want to contribute to the greater good of the organization as opposed to going through the motions, getting a paycheck and waiting for retirement. You'll stay committed to your work, think creatively and have a broader perspective on issues in all sectors and design programs to meet the needs of a diverse population. Overall, you'll be more effective and efficient."



*About the Author:* Rebecca Kanable is a freelance writer specializing in law enforcement topics. She can be reached at kanable@charter.net.

## The Role of Crime Forecasting

"Predictive Policing: The Role of Crime Forecasting in Law Enforcement Operations," a research report published by the RAND Corporation, is available as an eBook which can be downloaded free of charge or purchased in a print format. See [www.rand.org/pubs/research\\_reports/RR233.html](http://www.rand.org/pubs/research_reports/RR233.html).

The report defines predictive policing as the use of analytical techniques to identify promising targets for police intervention with the goal of preventing crime, solving past crimes and identifying potential offenders and victims.

Key findings of the report include:

- Predictive policing methods are not equivalent to a crystal ball, but they can enhance proactive policing and improve intervention strategies.
- There are four primary categories of predictive policing methods; each includes options to suit the capabilities and requirements of different police departments.

The research was sponsored by the National Institute of Justice and conducted in the RAND Safety and Justice Program within the RAND Justice, Infrastructure and Environment. The RAND Corporation is a nonprofit institution which helps improve policy and decisionmaking through research and analysis.

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# In Search of Intelligent Life

## p is for POLICEMAN



James L. McClinton, Ph.D.

## THIS ISN'T SO MUCH FUNNY AS IT IS INFURIATING...

The principal of Entz Elementary School in Mesa, Arizona, asked a parent not to pick up his child at the school while wearing his work clothes. It seems the other parents were getting upset that a "man with a gun" was coming to campus – the "man" is an officer for the Coolidge Police Department. Officials decided to ask the officer to stop doing that and the officer's response was understandable, "Are you freaking kidding me?" A spokeswoman for the Mesa Unified School District thought the officer "took the discussion the wrong way, perhaps," and school officials decided to turn the incident into a "teachable moment" by inviting him to come to the school to tell the kids about what police officers do for the community. (*They want to turn the incident into a "teachable moment"? It seems to me the only ones who need to learn anything here are the school officials – not the kids!*)

**What did the horse order?...** In Whitefield, England, a woman rode her horse up to the drive-thru lane at the local McDonalds®. The clerk told her that company policy would not allow the restaurant to serve her on horseback. So, she did what any creative moron would do – she left the drive-thru lane and took the horse in through the front door of the restaurant. The horse seemed to have his own opinion on the matter and expressed it by doing his business on the floor. Police charged the woman with causing alarm and distress. Sources didn't know if she ever received her burger and fries. (*You mean to tell me that McDonalds has a policy in place which addresses customers on horseback?*)

**Clearly, there was more water between the driver's ears than in the pool!...** German police were left speechless after they stopped a group of revelers cruising around town in a unique swimming pool car. The water wagon was spotted speeding along Eibenstock near Chemnitz, by a lone police sergeant on a motorcycle. "I saw the strangest looking convertible I have ever seen – a roofless BMW, without registration plates, bordered around the open top with wooden boards

and fake plastic flowers. It was also full of water," he later said. There was a 27-year-old driver and three young males clad only in swimming trunks – one of whom was lolling on the boat with his feet dangling down into the vehicle. "All of them appeared drunk," the police said. The sergeant ended up chasing the BMW as it sped off into a parking lot – losing much of its liquid load as it went. The young men sashed to a halt and jumped out, fleeing across a nearby dry riverbed. There, they hid as police swarmed around the vehicle. (*Now that the definition of "car pool" has changed, it's time to rewrite the dictionary!*)

**"Friends, idiots, countrymen, lend me your ears!"...** In 1998, Britain convicted its first burglar based on a suspect's ear print. Inspired by the effectiveness of this innovative crime fighting technique, the French were recently successful in using it to help them solve an ongoing investigation. As a result, investigators in Lyon, France, tied a 26-year-old man from the Republic of Georgia to a string of about 80 burglaries. Police took prints from doors the man had leaned against while listening for activity inside the home before

breaking in and they all matched the suspect's ear. (*And, so it was "ear today, gone tomorrow!"*)

*I'm surprised that this idiot didn't call the sheriff's office to see if being named "Fugitive of the Day" included free movie tickets!... A 23-year-old man was recently named the "Fugitive of the Day" by the Pasco County, Florida, Sheriff's Office. The honor was bestowed upon him because of a warrant for his arrest which alleged he had robbed a friend. Deputies posted his mug shot on the sheriff's Facebook page and found one of the comments on the photo quite interesting. "Pasco County has nothing but fools investigating crimes for them – that's why these mix-ups happen," the fugitive had commented below his mug shot. He further wrote that, "I swear on everything I own [that] Pasco County WILL be held responsible for this" because he claimed that he was in the hospital at the time of the robbery and, thus, could not have committed the crime. Facebook automatically shared the post with the man's "friends," who started commenting on where he was hiding and making fun of his photo. The fugitive was arrested at a relative's home. (He swore vengeance by "everything he owned," but since he lived in a relative's house, his possessions apparently consisted of nothing more than the money he allegedly "robbed from a friend.")*

*There's a better way to catch the thief – all he has to do is spike his Jell-O® with a heavy dose of laxatives!... A man in southeastern Pennsylvania decided to take action after his lunch disappeared from the office refrigerator – he called the police and reported it. Police in Upper Macungie Township were dispatched after an employee at the Wakefern Food Corporation reported that "an unknown person stole his Jell-O brand strawberry Jell-O snack from the break room refrigerator." Police say the 39-year-old victim was angry because this wasn't the first time someone had stolen his food. So far, police say, the thief hasn't been caught. Police said in a news release that the case remains under investigation. (Any town where the police are willing to devote time and resources to solving crimes involving Jell-O snacks from office break rooms is a town where I want to retire!)*

*"Well, Your Honor, the way I see it is 'it's my way or the highway!'..." A thief in Syktyvkar, Russia, recently tried to pull off a heist, but the object he coveted was a little unusual. The thief attempted to steal – a road. Yep, you read correctly – he attempted to steal 82 segments of reinforced concrete which made up a roadway just outside the city. If you're wondering how anyone could steal a roadway, here's how he did it: The thief used heavy machinery to load it onto three large trucks and haul it away to his residence. But, his plan was doomed to fail. Just as he and his convoy of road stealing trucks pulled onto the highway, they were spotted by the police. Since they didn't have a permit for hauling a roadway, they were hauled off to jail. (A country where stolen roads are a hot item on the black market is a country which has some serious economic issues!) *

# New Technology



## The New H.A.W.K. Series – Not Just Another Black Sneaker!

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**Circle 1082 for More Information**



### New Pattern Available for Tactical Uniforms

Designed to meet the needs of law enforcement officers operating in high risk environments, TRU-SPEC® has added the **MultiCam® Black pattern** to their popular Tactical Response Uniform® (TRU) selections. Available for items constructed with CORDURA® NYCO fabric for durability, comfort, and “no melt, no drip” thermal performance, the pattern will be available for their TRU Shirt, TRU Pant, the 1/4 Zip Combat Shirt, and Contractor Cap as part of the initial launch.

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### New Addition to the CTS Flash-Bang Lineup

Continuing with its commitment to lead in the less-lethal category of Noise Flash Diversion Devices (NFDD), Combined Systems, Inc. has announced the launch of the **CTS Multi-Bang Family** of products – the low-roll DoubleBang™ and the extended effect 3-, 6-, 7-, and 9-Bang. Each of the new models release energy from bottom and top vents without becoming a dangerous projectile. The **Multi-Bang Family** of NFDDs are nonbursting, nonfragmenting devices which perform with high reliability and incorporate CTS superior fuze components with the patented and US Army adopted Confidence Clip™ and pin shroud.

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The **MILO Range Theater** is available in 90, 180, and 300 degree configurations. Each offers many out of the box advantages, such as HD video on each screen; an ultrawide field of view; team training; CQB and CQM training; CGI marksmanship and reactive targeting; and lethal and less-lethal weapon options. The system is operated by a single instructor, using either a touch screen monitor or a wireless tablet which significantly reduces the instructor resources needed.

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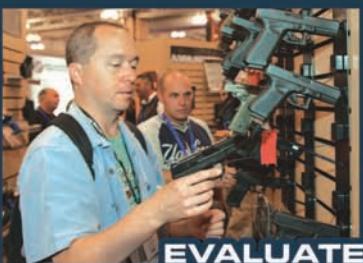
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