

# P&SN

Police  
and  
Security  
News

JANUARY/FEBRUARY 2019  
VOLUME 35 ISSUE 1

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Serving Law Enforcement & Homeland Security

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Members of the Vacaville, CA, Police Department and the 60th Security Forces Squadron conduct a joint demonstration of a breach and clear scenario at the Emergency Responder Urban Training Site. The site enables responders to train together and integrate operations.  
(U.S. Air Force photo by Heide Couch)



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# ...AND NOTHING BUT THE TRUTH

Many of you are familiar with Lt. Col. Dave Grossman's brilliant metaphor, "Of Sheep, Wolves and Sheepdogs," when Col. Grossman equates the role of law enforcement to be similar to that of a sheepdog, protecting the herd (society) from the wolves. I absolutely agree with Col. Grossman's observations. There is another predator I see lurking among the sheepdogs. While this predator may not be as physically dangerous as a wolf, he's vile in other ways. He prefers the sheepdog as his prey in order to satisfy his voracious appetite for cash. These parasitic predators are the werewolves who hide in plain sight among the sheepdogs, as fellow sheepdogs.

Many werewolves had the responsibility of being sheepdogs, but it appears that most performed that job rather poorly. Werewolves are only loyal to themselves. They believe that their "for sale" opinions are the only right ones and they will attack those who speak differently. They see themselves at the top of their food chain and will prey upon anything in order to gorge themselves with greenbacks.

Exactly what are werewolves? Werewolves are the individuals who mainly serve as expert witnesses against law enforcement officers and their agencies. Most of the big money they make involves use-of-force issues. They normally offer their services to the highest bidder, but

## Werewolves Hiding in Plain Sight Among Sheepdogs

Ed Nowicki – Guest Columnist



it's usually working for plaintiffs' attorneys. Werewolves self-righteously justify what they do as "Bad officers and bad police behavior should be stopped and officers held accountable." This is absolutely true – no argument here! However, these werewolves try to do a bait-and-switch on us. Werewolves testify that the officers and their behavior were bad, even if it is not the case. They sell out for cash! They sell their opinion, NOT their time. Selling your time is perfectly acceptable, while selling your opinion never is. We all need to rid the ranks of brutal and criminal behavior by individuals who insult the vast majority within the police ranks.

I've seen officers' careers, reputations, marriages, and lives destroyed by money-hungry, self-serving, use-of-force "experts." They blend into the law enforcement culture and frequently offer law enforcement training programs of their own. The more you participate in their training programs, the more legitimacy you give them. When you attend their training programs, you enhance their credibility and provide them with ammunition to use against your brother and sister officers.

Werewolves wear the \$\$\$\$ sign as their mark of the pentagram and, for them, the moon is always full as long as they can prey upon legitimate law enforcement. We need to bring werewolves into the light and expose them for who they really are. We need to kill them with silver bullets of truth. If you or your agency are sued for excessive force, you should try and find out who the "expert" for the plaintiff is. He may be an experienced and dangerous werewolf. You are cops and you know how to investigate, so investigate the plaintiff's expert witness. Chances are he has given previously conflicting testimony.

Your interrogation training stressed how lies are difficult to remember. It's no different for werewolves who can't remember their lies, since their motivation is money, not truth. If you find out some whopper lies told by any of these "experts," you may even want to contact officers from these experts' previous cases. You may find a silver-bladed prosecutor willing to criminally charge the expert or you may be able to get litigation initiated against the alleged expert. If you are successful, help spread the word through electronic law enforcement bulletin boards or various police associations. If we can't behead the werewolf, we may still be able to castrate him.

There are probably some werewolves who will read this commentary. Remember, they often hide in plain sight among sheepdogs, since they pose as sheepdogs. They will be offended by what needs to be said. Werewolves need to understand that I always have the Christmas spirit in my heart for all of them. I will prominently display it with the mistletoe I will wear on the back of my pants – just for them. They can all honor the mistletoe! Take care and STAY SAFE.

**Note:** The comments and opinions expressed are strictly my own and I proudly stand by them 100%! **P&SN**

Ed Nowicki is the Executive Director Emeritus of the International Law Enforcement Educators and Trainers Association (ILEETA), and a nationally recognized police use-of-force and training expert. A career police officer, Ed is a retired police academy director. When not juggling way too many projects, Ed stays busy by trying to expose as many werewolves as possible.

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# FOCUS ON TECHNOLOGY



## New Bipod

B&T Industries LLC is introducing the **Gen. 2 Model CAL (Cant And Loc) Bipod** at the 2019 SHOT Show. This low-profile **Bipod** delivers 4.75" – 9.0" of elevation support; a wide, stable stance from 9.0" – 12.5"; and delivers 30 degrees of cant which is pre-tensioned. An authentic Pod-Loc will lock the cant. The **CAL** has patented features and "hold what you move technology."

**Circle 1005 for More Information**

## New Reflex Sight from Sightmark



The **Ultra Shot M-Spec Reflex Sight** is designed for close quarter engagements on AR platform firearms and shotguns. Featuring a digital switch control with six variable brightness levels for daytime use and six settings in night vision mode, its magnesium alloy housing offers exceptional durability, along with a battery life of up to 1,000 hours. Constructed with a protective hood, its shockproof frame shields the **M-Spec** from impact and recoil up to a .50 caliber round. Fully submersible in up to 40 feet of water, the **Ultra Shot M-Spec** is equipped with scratch-resistant, dual pane glass and a parallax-corrected lens system allowing shooters to sight accurately from ten yards to infinity.

**Circle 1006 for More Information**

## Firearms, Ammunition and Accessories

### The New GLOCK Model G45

GLOCK® has announced a new addition to the 9X19 family of pistols featuring the latest in design and engineering seen in the 5th Generation of GLOCK pistols. The **GLOCK G45** combines the fast handling of the GLOCK 19 compact-sized slide with the full-size frame as a compact Crossover.

Taking on the Crossover design of the GLOCK 19X and the GLOCK hard surface finish in nonreflective black, the **G45** incorporates elements of the 5th Generation of GLOCK pistols including a smoother trigger pull, an enhanced frame texture for sure handling, a reversible magazine catch, ambidextrous slide stop lever, the Modular Backstrap System (MBS) for individual adjustability, and a match-grade GLOCK Marksman Barrel (GMB).

**Circle 1007 for More Information**



### New XD(M)® 10mm

Springfield Armory has announced a new polymer pistol, the **XD(M) 10mm**. A torture test of 10,000 rounds was performed to prove the quality and reliability of this new addition, firing 10,000 rounds of Federal Premium® Hydra-Shok® 10mm ammunition through the gun without a single failure. No work was done to the pistol, outside of a recoil spring change and adding Lucas® Extreme Duty Gun Oil at 2,000 round intervals.

Available with a 4.5" or 5.25" barrel, the length is well-balanced when combined with the full-size grip frame. It also features Mega-Lock grip texturing, with the option of three interchangeable backstraps.

The Melonite® finished hammer forged barrel and forged slide allow for a steady diet of full-power 10mm ammo, and the full-length guide rod lessens felt recoil.

**Circle 1008 for More Information**



### New HoneyBadger™ .40 S&W

Building on the incredible success of the HoneyBadger line of ammunition from Black Hills Ammunition is a new offering in **.40 S&W** caliber, a 115-grain bullet at an impressive 1325 fps. The solid copper fluted design cuts efficiently through barriers and reliably penetrates to 18" in 10% ballistic gelatin. Gelatin testing shows this combination outperforms conventional design hollow point bullets, not only in velocity, penetration and weight retention, but provides more impressive temporary cavity diameters of 3"-3.75".

**Circle 1009 for More Information**



### New Round from Aguila Ammunition

The **5.56x45 Full Metal Jacket Boat Tail** is a 3.56 gram, 55-grain round now offered in a 300 round bulk package.

The **5.56 round** is the perfect ammunition for long-range performance with a velocity of 3260 FPS and is designed for 24" length barrels. For tactical applications, its unique boat tail design gives precision shooters greater accuracy and consistency.

**Circle 1010 for More Information**





### XD(M)<sup>®</sup> OSP<sup>™</sup> with Threaded and Standard Barrel

Springfield Armory<sup>®</sup> has released the **XD(M) Optical Sight Pistol (OSP)** with a threaded barrel (additional non-threaded barrel included). The optics-ready 9mm pistol features a factory milled slide and co-witness suppressor height iron sights, allowing an individual choice of optic and suppressor. As an option, the **OSP** comes with a Vortex<sup>®</sup> Venom red dot sight pre-installed.

The 4.5" Melonite<sup>®</sup> treated hammer-forged steel barrel is an ideal size to complement the addition of a suppressor so that the weight is balanced. A one piece full-length guide rod manages recoil and helps to keep rounds on target. The Mega-Lock grip texturing provides a comfortable yet secure fit with the full-size grip frame.

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### SAINT<sup>™</sup> with Free Float Handguard

The new **SAINT FFH** features a proprietary, Free Floating Handguard (FFH) system with pinned low-profile gas block. A new elevation adjustable, flip-up front sight retracts for red dot or scope use. A Bravo Company trigger guard and Bravo Mod 3 pistol grip surround a proprietary, enhanced nickel boron coated, single-stage GI trigger which feels liquid smooth and grit-free.

Upper and lower receivers are forged type III hard anodized aircraft-grade 7075 T6 aluminum, locked together with Springfield's Accu-Tite<sup>™</sup> system to defeat the shake and clatter which plagues other AR-15 rifles. The mid-length gas system and H-style heavy tungsten buffer ease jerky recoil impulses for fast and accurate follow-up shots.

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### Mossberg 590<sup>®</sup> Shock 'n' Saw



The **590 Shock 'N' Saw** is a six-shot, 12-gauge firearm with a 14 inch barrel featuring a breacher muzzle; black anodized receiver; matte black barrel and magazine tube; a Shockwave Technologies' Raptor polymer bird's head grip; aluminum M-LOK<sup>®</sup> equipped forend; and signature Mossberg chainsaw foregrip.

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## ...Down the Road: Part II

Michael Carpenter

**So, the idea of a well-paid second career teaching criminal justice classes at a college after you retire appeals to you?**

**W**ell, you won't get this second career teaching criminal justice classes based on your outstanding "police résumé."

As I mentioned in Part I, you need an "academic résumé." And, you may need to start NOW to put that academic résumé together, even though your 20 year mark (or whatever your earliest retirement date is) may be a few years down the road.

The four main parts of the "academic résumé" you'll need include a graduate level college degree in criminal justice (preferably a Ph.D.); teaching/training experience; publishing and/or writing credentials; and experience. We've briefly covered the first two in my last column, so let's move on.

### **Publishing and/or Writing Credentials**

I'm sure you are very good at writing investigative reports, applying for search warrants, writing affidavits for court, etc. But, that is much different than getting published which means that your words have appeared in a criminal justice magazine, journal, newsletter, etc. That looks really good on your résumé when you are applying for a teaching position.



At larger colleges and universities, it is expected that professors research and publish regularly, while, at smaller colleges, getting published may be taken into account for yearly evaluations and promotions.

Here is an important point for you to consider right now. You may have some-

thing very valuable or interesting to say to one of your peers to help them get better at their job. If you have developed a certain expertise (drug interdiction, defensive tactics, investigations, patrol, etc.), there is not much difference between sharing it with your fellow officers or with thousands of officers across the



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for more information on the Refuse To Be A Victim program

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country when they read your information in a professional magazine. The only difference is getting your words published.

There are dozens of criminal justice-related journals, magazines, newsletters, etc. which are published every month. All of them require new material for every issue, so that is a place to start. Put together a list of magazines and journals and then contact each of them and ask for writer's guidelines. Each one is different. Some require a certain number of words; some are looking for articles on a specific topic; some are geared towards administrators, while others are geared more for line officers. For example, take a look at the *FBI Law Enforcement Bulletin* (<https://leb.fbi.gov/>). You'll see that there is a difference in the writing style and content when compared to another police-related journal. You may consider "starting small" and working your way up. For example, a police officer I knew contacted the local newspaper and they hired him to write an article for each Sunday edition of the local newspaper on an interesting crime story or incident which occurred in the history of that city. Once he got a cou-

ple of dozen articles published by the local newspaper, then he had some publishing experience on his résumé and he moved up and wrote some articles for the State Police Chief's Association newsletter. Then, he finally "graduated" to getting a couple of articles published in a nationally distributed police magazine. Editors look for writers with a "track record" of getting published.

### Experience

I mentioned in my last column that someone with a Ph.D., but with no experience, is often given hiring preference over someone who has a master's degree with years of experience. That being said, experience is taken into account when applying for a teaching position, although it is often low on the list of priorities. Criminal justice programs at some colleges are more practitioner-oriented than at other colleges. That means they may tend to hire based (in part) on an applicant's background and experience. Colleges sometimes focus their criminal justice program from either a sociological-based approach or from a more practitioner-based approach. Neither is bad or good – it's just a different

way of teaching criminal justice. If you are applying at a more practitioner-based college and there is a position for an adjunct instructor (part-time) and you happen to have a graduate degree AND ten years of experience as an investigator or as a supervisor of a detective squad, that will certainly get someone's attention if they are looking for someone to teach a class on criminal evidence or investigation.

If you do get hired for a full-time position, the experiences which you are now accumulating may bump you up on the hiring scale (depending on the college), so instead of being hired at entry-level pay, you may be given credit for your experience and be bumped up on the pay scale. (In my case, I was hired at Step 10 on the pay scale instead of Step 1 based on my experience.)

### Getting Hired

So, you put your academic résumé together...now what? First, you have to find the criminal justice teaching jobs which are open.

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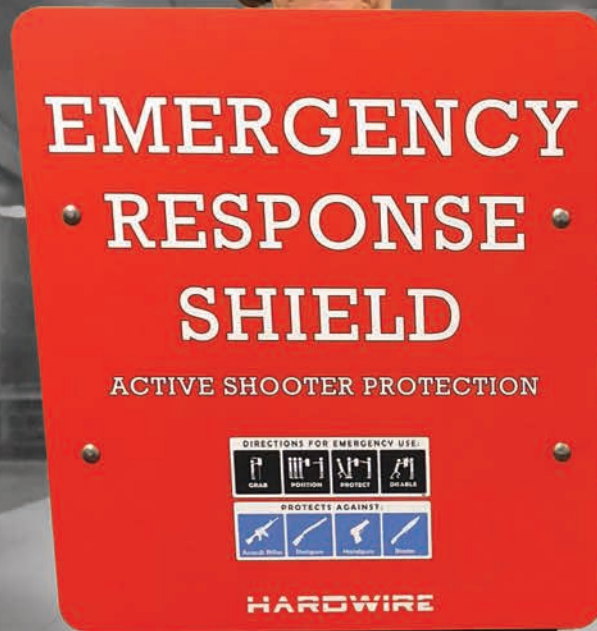
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## LAW ENFORCEMENT LEADERSHIP

Continued from page 12

be in the *Chronicle of Higher Education*. You should also consider joining the Academy of Criminal Justice Sciences (ACJS) and the American Society of Criminology (ACS). Both are highly recommended associations for criminal justice instructors to join. They advertise some criminal justice teaching positions through their Web sites and journals. Also, you may get lucky and randomly check the "positions available" page on a specific college's Web page and they may (very randomly) be hiring for a full-time criminal justice teaching position. Be prepared for a nationwide search for any of these teaching positions.

All applications are typically reviewed by a hiring committee at the college. It often consists of a representative from human resources, from the administration, the chair of the division (the head of the criminal justice program); and a couple of faculty members. The hiring panel narrows the search list down to a workable number (maybe ten or so). The semifinalists may then be contacted for an interview done over the Internet (Skype). A final list of three to five candidates is then compiled and forwarded to the administration. Those finalists may be asked to come to the campus and meet in-person with the administration, the division chair, students, other faculty members, and make a class presentation, etc. Ultimately, the decision to hire is usually left to a high ranking administrator.

### So, You Got Hired...Now What?

Once it is official, you'll work out all the personnel matters and no doubt officially meet with the division chair and your fellow teaching colleagues. When you first get hired, you will be considered nontenured which means you are hired on a year to year contract. Different colleges have different standards for achieving tenure (a permanent position), but it is usually after a certain number of years teaching at the college (although, there is a new trend for some colleges to not give tenure at all).

I mentioned earlier the word "promotion" and, hopefully, that got your attention. In academia, there are four positions, or titles, for full-time faculty – instructor, assistant professor, associate professor, and professor. Each is considered a promotion and each college has different criteria to get promoted. These promotions are usually tied to a combination of years of teaching at the college; how much graduate work you have done; and other criteria. Along with each promotion will come a small pay increase.

You may have some input on what classes you teach and the times the classes are offered, but probably not. If you've been through college as a student, you know that most three credit classes are typically offered for 15 week semesters and either

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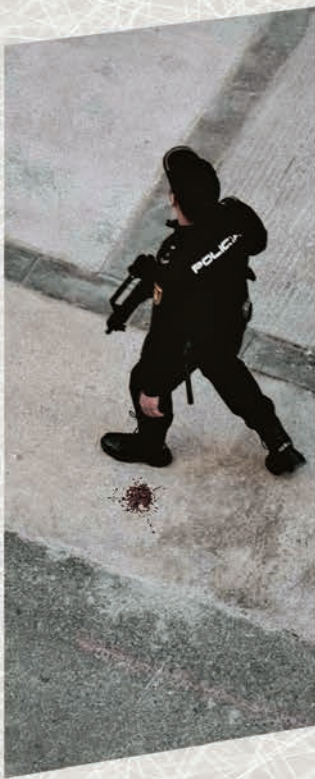


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## LAW ENFORCEMENT LEADERSHIP

Continued from page 14

Monday-Wednesday-Friday for 50 minutes each or Tuesday and Thursday for one hour and 20 minutes each day or a three hour block once during the week (often in the evening). There isn't a "typical schedule" you will teach, but, at smaller colleges, full-time faculty may be expected to teach 15 credits (five, three credit classes or some combination which totals 15 credits). At larger colleges and universities, professors are expected to do more research and publishing, so their teaching load may typically be less – maybe nine to 12 credits of teaching a semester.

Now, for some more good news. Where you work now probably offers the chance to work overtime. At a college, you may get the chance to work overtime, although the academic word for it is "overload." For example, you might be required to teach five, three credit classes a semester, but because there may be a lot of students in your criminal justice degree program, the division chair may add another section of a specific class and you could get the chance to teach it (for additional money). You may also get compensated for other work you do at the college above and beyond your teaching. There may not be as much overtime as you may be used to in your current job, but there are opportunities at a college to bump up your base salary.

Often, new college faculty are hired over

the summer (sometimes in late summer) and that might not give you a lot of time to prepare your lesson plans, objectives, supplemental course material, assignments, tests, etc. for each class you teach when the fall semester starts in late August or early September. For your first couple of semesters, you may be literally only one week ahead of the students! It sometimes helps that you may teach several "sections" of the same course. For example, you may have a Monday-Wednesday-Friday class of "Introduction to Criminal Justice" and also be scheduled for a Tuesday-Thursday section of the same course, so you'll be able to use the same lesson plans, tests, handouts, etc. for both classes.

Getting prepared for classes will take up a lot of time during your first couple of semesters and, at the same time, you will have other obligations which will take up more of your time. For example, you may be assigned to be a part of one of the many committees which have specific tasks or responsibilities on campus. You may also be assigned as an advisor to some criminal justice students which means you will be giving them advice on what classes to take the next semester; ideas on transfer schools if you teach at a community college; information about careers; etc. You may be

expected to network with other criminal justice professionals in the community; make some contribution to the community or to your field of study; or get involved in some aspect of scholarly research.

It may seem like there is a lot of work ahead of you to get an "academic résumé" together. And, it might seem that colleges expect a lot from their faculty, but, believe it or not, it is virtually a stress-free job (especially compared to your current job!); the people you deal with (students, other faculty and administrators) actually LIKE you; and you are pretty much self-sufficient with very little oversight. It is a very rewarding second career which is worth considering if you have an interest in training and/or teaching. Please contact me directly at [MCarpenter@PoliceManagement.com](mailto:MCarpenter@PoliceManagement.com) if you have any questions or need any more specific information. **P&SN**

**Note:** Do you need supervisory training? Police Management Services is offering a new **online** supervisory training program. Successful completion will give students three Continuing Education Units (CEUs). For more information, please check their Web page at <http://policemanagement.com/expert.html> or you can reach them by E-mail at [MCarpenter@policemanagement.com](mailto:MCarpenter@policemanagement.com) or by phone at (518)761-9708. Also, see their ad in this edition of P&SN.



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# TECHNOLOGY FROM THE PAST

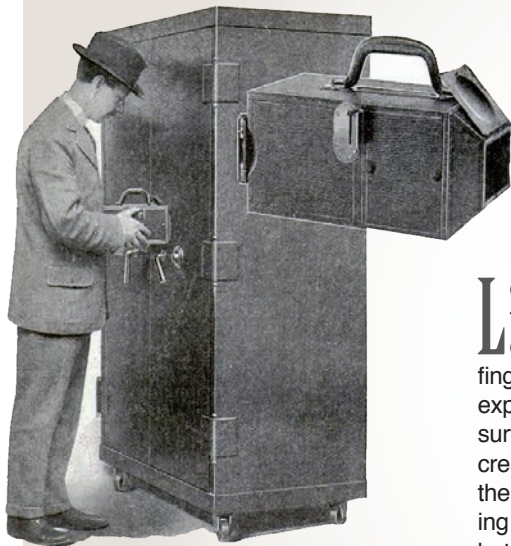


Photo: Popular Science



## A Special Fingerprint Camera for the “Modern” Sherlock Holmes



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# PRODUCT HIGHLIGHT



## FLIR SYSTEMS

The new **FLIR PVS-14** is a single tube, multipurpose tactical night vision monocular employing the same framework and design as the AN/PVS-14, but updated with a full range of FLIR's Gen2+, Gen3 and advanced FLAG Filmless Auto-Gated IIT night vision technologies.

The lightweight **FLIR PVS-14** is available in 13 unique models spanning multiple levels of performance and price points. The FOV of 51° models greatly increases situational awareness by providing 25% more viewing area, requiring minimal head turning. A built-in IR illuminator and flood lens enhances night vision and allows for reading in the dark.

Compact, rugged and waterproof, the **FLIR PVS-14** is compatible with a host of accessories, allowing it to be handheld or mounted to a helmet, headgear, weapon, or camera.

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## PULSAR

The **Helion Thermal Monocular** provides law enforcement a solution for search and rescue and 24 hour surveillance. Features of the **Helion** include a heat detection range of up to 2,000 yards; 384x288 pixels or true 640x480 proprietary picture-in-picture; onboard video recording; 13 reticles with color and brightness settings; and an eight hour rechargeable battery pack.

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# Night Vision and Thermal Imaging Equipment

## SEEK THERMAL™



The **Reveal ShieldPRO™** is a handheld thermal camera built specifically for law enforcement and affordably priced for individual purchase.

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The **Reveal ShieldPRO** combines a high-powered thermal sensor, intuitive software and a 300 lumen flashlight into a lightweight, rugged product. Key features include a 320 x 240 thermal image sensor with a 24° field of view, a long-lasting rechargeable battery and intuitive software for easy operation.

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## NIGHT VISION DEVICES

The new **MINI BNVD AA 16mm** is a dual tube night vision goggle with single gain control. With a weight of less than 415 grams, the **MINI BNVD** is the lightest, fully functional dual tube goggle in the world. It utilizes 16mm Photonis 4G® Image Intensifiers and includes features such as a fully focusing eyepiece with a diopter focus range of +2 to -6, a close focus range on 9.8 inches (24.8 cm), and a focusable IR Illuminator.

The **MINI BNVD** runs on one AA battery which powers the system for 40+ hours and, in conjunction with the optional three AA battery pack, the **MINI BNVD** will run for a continuous 60+ hours.

The **MINI BNVD** incorporates new high performance optics which are not only much lighter, but also offer higher performance. Currently, the AN/PVS-14 and most other night vision systems use optics which were only designed for green (P43) phosphor image tubes. However, these new optics were designed specifically to be optimized for both white (P45) and green (P43) image tubes.

The **MINI BNVD** is submersible to 66 feet (20 meters) for up to three hours.

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## NIGHT OPTICS USA

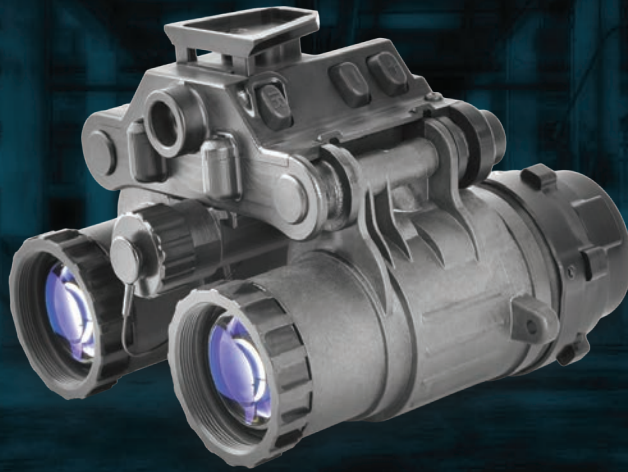


Utilizing the latest 4G tube technology, the **Sentry 14 4G** boast the furthest detection and recognition ranges, allowing you to locate and engage targets at distances further than ever before. In low to no light environments, the versatile 100% Mil-Spec **Sentry 14** can be handheld or head/helmet mounted for hands-free navigation. Lightweight and rugged, the **Sentry 14** can also be weapon mounted when coupled with a daytime close quarters battle sight or an IR laser. When paired with a quality spotting scope, target detection is stretched well beyond 600 yards. The simple three position switch (off/on/momentary) and constant IR and manual gain control make the 4G's low halo factor the perfect fit for nearly all levels of light.

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# INTRODUCING THE



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# LEGAL UPDATE

## Driveway Car Searches **UNLAWFUL** Without a Warrant

Larry E. Holtz, Esq.

**Does the automobile exception permit a law enforcement officer – uninvited and without a warrant – to enter the curtilage of a home in order to search a vehicle parked at the top of the home’s driveway?**

**R**ecently, in *Collins v. Virginia*, 584 U.S. \_\_\_\_ (2018), the United States Supreme Court said, “No!” “The automobile exception does not afford the necessary lawful right of access to search a vehicle parked within a home or its curtilage because it does not justify an intrusion on a person’s separate and substantial Fourth Amendment interest in his home and curtilage.”

**The Case:** During the investigation of two traffic incidents in-



volving violations committed by an operator of an orange and black motorcycle with an extended frame, Officer David Rhodes learned that the motorcycle likely was stolen and in the possession of defendant Ryan Collins. While investigating, Officer Rhodes discovered photographs on Collins’ Facebook page of an orange and black motorcycle parked at the top of a driveway of a house. The officer tracked down the address of the house, drove there and parked on the street. “It was later established that Collins’ girlfriend lived in the house and that Collins stayed there a few nights per week.”

“From his parked position on the street, Officer Rhodes saw what appeared to be a motorcycle with an extended frame covered with a white tarp, parked at the same angle and in the same location on the driveway as in the Facebook photograph.” The officer took a photograph of the covered motorcycle from the sidewalk and then walked onto the residential property and up to the top of the driveway to where the motorcycle was parked. “Officer Rhodes pulled off the tarp, revealing a motorcycle which looked like the one from the speeding incident. He then ran a search of the license plate and vehicle identification numbers which confirmed that the motorcycle was stolen. After gathering this information, Officer Rhodes took a photograph of the uncovered motorcycle, put the tarp back on, left the property, and returned to his car to wait for Collins.” When Collins returned home and admitted that the motorcycle was his, the officer arrested him.

**The Law:** Finding the search unlawful, the United States Supreme Court preliminarily observed that this case sits at the intersection of two components of Fourth Amendment law: “the automobile exception to the warrant requirement and the protection extended to the curtilage of a home.”

Generally, “officers may search an automobile without having obtained a warrant so long as they have probable cause to do so.” On the other hand, “the Fourth Amendment’s protection of curtilage has long been black letter law.” Courts consider “curtilage – the area immediately surrounding and associated with the home – to be part of the home itself for Fourth Amendment purposes.” In this regard, it has long been established that “[t]he protection afforded the curtilage is essentially a protection of families and personal privacy in an area intimately linked to the home, both physically and psychologically, where privacy expectations are most heightened.”

“When a law enforcement officer physically intrudes on the curtilage to gather evidence, a search within the meaning of the Fourth Amendment has occurred” and such conduct “is presumptively un-

An advertisement for ACI Sniper Tools Design Company, LLC. The background is a blue sky with a mountain range. In the foreground, there is a large, stylized yellow 'ACI' logo. To the right of the logo is a red and yellow target with a black arrow hitting the bullseye. Below the logo, the text reads 'The Original High-Angle Shooting Tool'. At the bottom, it says 'SNIPER TOOLS DESIGN COMPANY, LLC.', 'info@snipertools.com', 'Phone (818)359-0512', and 'www.snipertools.com'.

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reasonable absent a warrant.”

In this case, the Court initially decided that the part of the driveway where Collins’ motorcycle was parked and subsequently searched was “curtilage.” Photographs in the record revealed that the top portion of the driveway sits behind the front perimeter of the house; it “is enclosed on two sides by a brick wall about the height of a car and on a third side by the house. A side door provides direct access between this partially enclosed section of the driveway and the house. . . . When Officer Rhodes searched the motorcycle, it was parked inside this partially enclosed top portion of the driveway which abuts the house.”

“Just like the front porch, side garden, or area outside the front window, the driveway enclosure where Officer Rhodes searched the motorcycle constitutes an area adjacent to the home and to which the activity of home life extends, and so is properly considered curtilage.”

“In physically intruding on the curtilage of Collins’ home to search the motorcycle, Officer Rhodes not only invaded Collins’ Fourth Amendment interest in the item searched, i.e., the motorcycle, but also invaded Collins’ Fourth Amendment interest in the curtilage of his home.” And, the automobile exception cannot be used to justify the invasion of the curtilage.

“Imagine a motorcycle parked inside the living room of a house, visible through a window to a passerby on the street. Imagine further that an officer has probable cause to believe that the motorcycle was involved in a traffic infraction. Can the officer, acting without a warrant, enter the house to search the motorcycle and confirm whether it is the right one? Surely not. The reason is that the scope of the automobile exception extends no further than the automobile itself.”

“Just as an officer must have a lawful right of access to any contraband he discovers in plain view in order to seize it without a warrant, and just as an officer must have a lawful right of access in order to arrest a person in his home, so, too, an officer must have a lawful right of access to a vehicle in order to search it pursuant to the automobile exception. The automobile exception does not afford the necessary lawful right of access to search a vehicle parked within a home or its curtilage because it does not justify an intrusion on a person’s separate and substantial Fourth Amendment interest in his home and curtilage.”

“The ability to observe inside curtilage from a lawful vantage point is not the same as the right to enter curtilage without a warrant for the purpose of conducting a search to obtain information not otherwise accessible[.] So long as it is curtilage, a parking patio or carport into which an officer can see from the street is no less entitled to protection from trespass and a warrantless search than a fully enclosed garage.”

Accordingly, the Court concluded that “the automobile exception does not permit an officer without a warrant to enter a home or its curtilage in order to search a vehicle therein.” **P&SN**

*Larry E. Holtz has served as a Detective Sergeant with the Atlantic City, New Jersey, Police Department; a Deputy Attorney General for the state of New Jersey, and an Assistant County Prosecutor. Presently, Mr. Holtz is the Managing Editor of Blue360° Media, the largest US provider of legal information which is solely focused on serving law enforcement. Mr. Holtz is a certified police trainer and teaches on a regular basis. He is a member of the bar in New Jersey, Pennsylvania and the District of Columbia and is admitted to practice before the federal bar in the District of New Jersey and the Third Circuit.*



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# Who Ya Gonna Call?

## Various Types and Applications of Armored Rescue Vehicles

**Jim Weiss and Mickey Davis**

**D**ateline 2017: Two heavily armed suspects in a high-intensity drug trafficking area barricaded themselves in a car. Cleveland (Ohio) Division of Police uniform patrol officers called for a SWAT assist.

SWAT responded in their Dragoon Patroller, an Armored Rescue Vehicle (ARV), nicknamed "Mother II." Cuyahoga County (OH) Sheriff's Office SWAT also responded in their Lenco BearCat® ARV. Both law enforcement vehicles, Mother II and the sheriff's BearCat, sandwiched the suspects' car in between them. Even with that, the two armed suspects managed to shoot one of the SWAT officers in his lower leg; however, both suspects were seriously wounded in the subsequent exchange of fire.

Prior to Cleveland obtaining their armored SWAT vehicle, Mother II, they operated Mother I, a custom-built ARV. At first, there was political opposition to both the formation of a SWAT unit and its utilization of an ARV. At present, citizens have seen the Cleveland police SWAT team with their ARV for such a long period of time, they think nothing of it.

SWAT still owns, and continuously operates, Mother II which has been going strong for 21 years after it was bought in 1997 to replace Mother I (which was of 1970 vintage).

### Four Types of ARVs

1. Commercial Conversions – for example, a Brink's armored transport vehicle which is out of service and retrofitted for SWAT use;
2. Custom-built – made-to-order armored vehicles, such as Cleveland's Mother mentioned earlier;
3. Military Surplus – examples include Mine-Resistant Ambush Protected (MRAP) vehicles; M113 armored personnel carriers (tracked) and variants; Peacekeepers I and II which are four-wheeled, lightly armored vehicles; and armored Humvees; and
4. Developed for Law Enforcement – vehicles such as Lenco Armored Vehicles' BearCat and the larger BEAR®; the Dragoon Patroller (there are still a few of these currently in police service); Armet's Guardsman, Gurkha and the Balkan; the tracked Tactical Response Armored Car (T.R.A.C.); Ballistic Armored Tactical Transport (BATT); General Dynamics Land Systems-Canada RG12 (not many in U.S. service); TAC-CAT (tracked); the International Armored Group's Sentinel; the GPV Sergeant 4x4 ARV (out of production – not many in U.S. police service); Oshkosh's



*In 1997, the Cleveland Police Department replaced their ARV with a Dragoon/Patroller (nicknamed Mother II). Over the years, Mother II has proven that these vehicles save lives.*

Light Tactical Vehicle; and the tracked Rook.

Of these, Lenco's BearCat and BEAR have pretty much dominated the law enforcement ARV market, although the BATT and the MRAP have also gained a following.

### Ballistics

The number one (ballistics-related) question concerning all armored rescue vehicles is, "What will it stop?" Most new ARVs are rated to stop Level III threats with some rated to stop Level IV. For example, the Cleveland Division of Police's ARV, Mother II, has a double skin of armor and is rated to stop .50 cal. ball ammunition.



Older and retrofitted ARVs need to have a representative ballistic panel test fired to determine its ballistic capabilities. Bad guys often shoot at the windows and windshields (especially the driver's window), so these need to be composed of ballistic glass.

## ARV Maintenance

ARVs are high maintenance vehicles which require upkeep, as well as occasional repairs. New ARVs are mechanically sound; however, one which is 20 or 30 years old may not be in good running condition unless it had been maintained on a regular basis.

For example, during a barricade incident in Cleveland, one of the older ARV's engine experienced catastrophic failure. Fortunately, it happened right next to a construction site. One member of the SWAT crew got a quick lesson in the operation of a front-end loader and pushed the ARV – with another officer partner steering it – more than a mile to the barricade scene.

This was in 1981 when an off-duty police officer (last name Baker), who was plagued with psychological issues, shot two security guards, then went home to his apartment. Once there, he fired through his door at responding supervisory police officers. Afterwards, he fired over 100 rounds at other responding officers; police were ordered not to return fire. When Mother was pushed to the scene, Baker fired 53 rounds at the ARV rather than at the police.

## Borrowed Armored Vehicles and the Historical Needs for ARVs

In Austin, Texas, in 1966, sniper Charles Whitman killed 14 and wounded 32 people from the observation deck of the Clock Tower at the University of Texas. Austin Police Department commandeered a "money escort" armored transport vehicle to pick up the wounded and transport them to waiting ambulances.

During the Glenville, Ohio, shootout and riots in 1968, officially, three police officers and one civilian helping the police were killed, and one police officer died a few years later of wounds received. A total of 12 to 15 people were wounded and three militants were killed. There weren't any police ARVs in Ohio at that time, so Cleveland police used borrowed Brinks armored trucks to remove the dead and wounded and to patrol the area. Later, the police department received a custom-built ARV, the first and only police ARV in Ohio for some time.

One of the best-known incidents of law

enforcement utilizing borrowed armored vehicles during an emergency was the North Hollywood shootout which occurred on February 28, 1997. After a bank robbery went bad, two heavily armed individuals, wearing body armor, confronted officers of the LAPD. The subsequent gun battle resulted in the injury of 12 police officers and eight civilians, with over 2000 rounds fired during the 44 minute encounter. At one point, officers of the LAPD successfully commandeered an armored bank vehicle, in order to safely rescue downed officers and civilians while under fire.

Since the majority of police and sheriff's offices still do not have ARVs to supplement their responding forces, it is recommended that arrangements be made ahead of time in case the need arises to borrow one. For example, the Knox County, Ohio, Sheriff's Office does not have an ARV in their fleet. When one is needed, they request an adjoining county to assist. One such situation involved a barricaded suspect known to have firearms in his possession. The Knox County Sheriff's Office used the neighboring county's ARV as cover to get close enough to the residence to deploy a throw phone through a window.

The disadvantage to borrowing or requesting assistance from another agency is the delay involved as the request goes up the ranks for approval.

## ARV Use in Real-life Situations

**Minkler, California** – Minkler is a sparsely populated, rural town in Fresno



*The Pinellas County Sheriff's Office feels that its two Peacekeepers have been well worth the money. These SWAT deputies are shown training with one of their Peacekeepers (back in 2006).*

County, California – a place where "nothing ever happens." However, something nefarious did happen in February of 2010 when a search warrant attempt turned into an active shooter situation which killed one Fresno County Sheriff's Office deputy and badly wounded another.

In this incident, SWAT's two ARVs were utilized for the following objectives: 1) ballistic protection for community members and peace officers; 2) blocking barriers between suspect and victims; 3) a platform for chemical agent deployment; 4) a platform for cover fire; 5) reconnaissance for intelligence gathering and site orientation; 6) rescue of community members and peace officers; 7) surveillance devices deployment; 8) transportation of community members and peace officers; and 9) verbal communications to obtain suspect(s) surrender.

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## WHO YA GONNA CALL?

Continued from page 23



**The Pinellas County Sheriff's Office GPV Sergeant 4x4 ARV has seating for ten in the rear interior compartment and two up front. This vehicle has more room than most ARVs.**

**Pinellas County (Florida) Sheriff's Office** – After the St. Petersburg Riot of 1996, which included gunfire, flames and smoke, the Pinellas County Sheriff determined that acquiring one or more armored vehicles for the sheriff's office use would meet a couple of needs: an armored vehicle option to be available to rescue downed deputies, officers and citizens; and protection for the SWAT team.

Due to budgetary restrictions, purchasing a new armored vehicle was out of the question. As a result, surplus Air Force Peacekeepers were obtained instead. When the two rusty, nonoperational armored vehicles arrived in Florida, they were in skeletonized, vintage scrapyards shape with various engine components tossed inside one of the vehicles. Many folks doubted the ability of the sheriff's office fleet mechanics to transform them into fully functioning ARVs.

The Peacekeepers are based off the Dodge 3500 chassis; therefore, the vehicle maintenance section was able to supply parts, including those no longer manufactured.

An early Peacekeeper callout included aiding another Gulf Coast county in 1998 when a wanted felon, Hank Earl Carr, murdered two Tampa Police Department detectives and a Florida Highway Patrol trooper, and then took a service station clerk hostage. The Pinellas County Sheriff's Office was the only nearby agency with armored vehicles at the time, so one Peacekeeper was driven to the hostage scene and the other transported on a flatbed to it. After a long standoff, he released the hostage and committed suicide.

As the fleet added other ARVs, the Sheriff's Office kept the two Peacekeepers, along with other specialty vehicles, and positioned them strategically throughout the county for rapid deployment.

In 2006, the Pinellas County Sheriff's Office purchased a new GPV Sergeant 4x4 ARV. This vehicle seats ten in the rear interior compartment, as well as two deputies up front. It came equipped with a Hazmat air purification system; gun ports



**The MRAP provides up to .50 caliber ballistic protection all around. It also has air conditioning; an NBC filtration ventilation system; escape hatches in case of rollover; and a winch which can pull its own weight (14-18 tons).**



**The TAC-CAT is short for Tactical Caterpillar, a multiterrain, tracked vehicle with ballistic steel armor. TAC-CATs are designed for use by Explosive Ordnance Disposal (EOD) units, narcotics and SWAT teams.**

large enough to be used with optics or other sighting or lighting systems; a partial half armored shield turret which can rotate and, if needed, allows for a long gun to be set up in it; a winch; and a ram. A majority of parts for the GPV Sergeant are available through various vendors since this ARV is based off a Ford F-750 chassis.

In one incident involving the St. Petersburg Police Department, two law enforcement officers were struck by gunfire inside a residence as they attempted to serve an arrest warrant. The department did have a SWAT unit, but did not possess an ARV (the St. Petersburg Police Department now has a BearCat). The Sheriff's GPV Sergeant ARV was called to rescue the injured officers. Its battering ram demolished a portion of the front of the perp's house, allowing the SWAT team to enter and resolve the incident. Currently, the Sheriff's Department has two MRAPs which are leased through National Defense Authorization Act 1033 Program, both built by Navistar Defense. Support for replacement parts for law enforcement

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The High Volume Flip Top Burst option is available in two, four and 16 ounce sizes in FREEZE+P NF, DEEP FREEZE, PUNCH II NF, and DEEP PUNCH. A six ounce size of CLEAROUT vapor formula is also available with the Flip Top Burst or traditional total release lock down actuator. Samples available.



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agencies is provided through Navistar Defense's regional distributors.

The sheriff's ARVs are readily available for any high-risk situation a supervisor or shift commander deems necessary. For example, these MRAPs were deployed with a small response crew to two high-priority incidents during the height of Hurricane Irma in 2017.

All law enforcement deputies are trained on the safe operation of the ARVs which gives the supervisor a large cadre of ARV operators in the event a large portion of manpower is tasked out on perimeter positions or directly involved in an incident.

#### **Houston, Texas, Police Department**

— In Houston, Texas, a crazed gunman opened fire from inside his residence, pinning police officers down. Houston SWAT's Dragoon Patroller, Variant 1 (a police version equipped with a ram), made its first high mobility appearance. An officer trapped behind a tree signaled to the ARV crew as the bad guy's gunfire knocked tree bark down on him. When the ARV drove up and shined its lights into the house, the bad guy hunkered down, afraid that it would crash into his home. The situation was resolved and the officer was rescued.

**Pasco County, Florida, Sheriff's Office** — This agency has a Lenco BearCat and a 6x6 MRAP. Their 6x6 MRAP has a Caterpillar diesel engine, an Allison transmission and was built in 2000 by BAE Industries for an original cost of \$412,000. Like all MRAPs, it is leased from the federal government through the National Defense Authorization Act 1033 Program, at

a cost of \$2,000 per year.

One notable mission their SWAT team responded to involved a barricaded subject who had violently killed an elderly woman and a small child. The BearCat's ram was used to tear off a garage wall where the suspect was hiding. The suspect exited the garage unarmed and charged at deputies, possibly trying to provoke a suicide by cop reaction. He didn't notice the ram arm which was at about head height and ran into it, knocking himself out.

In another mission, a suspect who had threatened his girlfriend with a rifle was barricaded in his residence. The BearCat's ram was used to breach the front door and windows, after which an operator was able to deploy a remotely controlled robot from the safety of the BearCat's turret. The robot cleared the entire residence with the exception of the room where the suspect was hiding. Operators were able to enter the home and later arrest the suspect who was hiding under a bed.

The BearCat is assigned to SWAT and only used when SWAT is called out.



**The Pasco County Sheriff's Office's 6x6 MRAP was built in 2000 for an original cost of \$412,000. Like all MRAPs, it is leased, not bought, from the federal government at a cost of \$2,000 per year.**



**The Lakeland, FL, PD's M113 (tracked) variant is a military surplus type of ARV which, on occasion, has to be trailered to locations where needed.**

Their MRAP is assigned to the Special Vehicle Unit and can be used for any situation where it is needed. For example, it has been used during hurricanes and floods to assess damage and to assist anyone needing to be evacuated. The ground clearance of the MRAP is very advantageous when operating in high flood water.

Pasco County Sheriff's Office has a detailed tactical response plan which governs the use of the ARVs in high-risk situations. There is no policy which specifically covers the vehicles; instead, the vehicles are governed by the policy of the unit they are assisting or assigned to. For example, the BearCat is deployed in accordance with SWAT operating procedures. **P&SN**

Jim Weiss is a retired Book Park, Ohio, Police Department lieutenant.

Mickey Davis is an award winning author and a senior volunteer member of a California fire department.

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# The Individual First Aid Kit (Trauma Kit): Every Officer Should Carry One

Eugene Nielsen

**Incidents such as an active shooter or mass casualty call necessitate that law enforcement personnel be prepared to provide immediate life-saving first aid to injured civilians; fellow officers; and, perhaps, even themselves.**

**T**actical Emergency Casualty Care (TECC) for EMS and law enforcement is an adaptation of military Tactical Combat Casualty Care (TCCC), whose guidelines differ from the Advanced Trauma Life Support (ATLS) guidelines on which civilian trauma care has been based.

TECC teaches EMS practitioners and other prehospital providers how to respond to, and care for, patients in a civilian tactical environment. It is designed to decrease preventable deaths in a tactical situation.

There are three phases of tactical care in TECC:

- Direct threat care which is rendered while under attack or in adverse conditions;
- Indirect threat care which is rendered while the threat has been suppressed, but may resurface at any point; and
- Evacuation care which is rendered while the casualty is being evacuated from the incident site.

In an active shooter incident, it may take longer for EMS personnel to reach victims than it takes to bleed out. A “blow out” kit (trauma kit) containing at least a tourniquet and a hemostatic agent needs to be part of your everyday carry. Training is also essential.

The Paris attacks in November 2015 provide an extreme example of a general



principle of active shooter attacks: Emergency personnel cannot reach shooting victims until the threat has been neutralized. It was over 160 minutes from the time the terrorists fired the first shots in the Bataclan Theater until the first responders were able to reach those inside the venue.

## Individual First Aid Kit

When purchasing or putting together an IFAK (Individual First Aid Kit)/trauma kit, stick to the basics. Just remember, “Stop the bleeding, start the breathing.” There’s obviously a lot more to emergency first aid, but those are the most immediate concerns. They are what a trauma kit is intended to address. Your goal is to stabilize the patient until EMS arrives.

It’s a well-known axiom in combat medicine that the complexity of an individual trauma kit is inversely proportional to a manufacturer’s or operator’s actual combat medical experience. Keep your med kit simple.

## Top Causes of Preventable Death in Trauma

Hemorrhage is the leading cause of preventable trauma deaths. Roughly 80% of combat deaths and 50% of civilian trauma deaths can be attributed to hemorrhage. It’s the most preventable cause of death in compressible injuries – approximately 50% of injuries. An average adult body with a weight of 150 to 180 pounds contains 4.7 to 5.5 liters of blood. A child under 80 pounds contains approximately half that amount.

Acute fluid or blood loss is a life-threatening emergency. It makes the heart unable to pump essential blood to the body and results in multiple organ failure. This hypovolemic shock has four stages, each based on the amount of blood loss. Stage I is under 15% by volume; Stage II between 15 and 30%; Stage III between 30 and 40%; and Stage IV more than 40%.

Based on a US Army Institute of Surgical Research (USAISR) study, stopping



blood loss while the patient is in Stage I shock (i.e., keeping the blood volume loss below 15%) keeps the survivability rate high – about 94%. If blood loss continues and the patient goes into Stage II shock or greater, survivability rate goes down to just 14%.

Approximately 20% of people who have died from traumatic injuries could have survived with quick bleeding control. The only thing more tragic than a death from bleeding is a death which could have been prevented.

Exsanguination (bleeding out) can occur in less than five minutes from a femoral artery bleed. The national average response time for a Basic Life Support (BLS) ambulance is ten minutes; paramedics are 12 to 15 minutes. And, in an active shooter or terrorist event, EMS may not render aid until the scene has been secured.

## Tourniquets

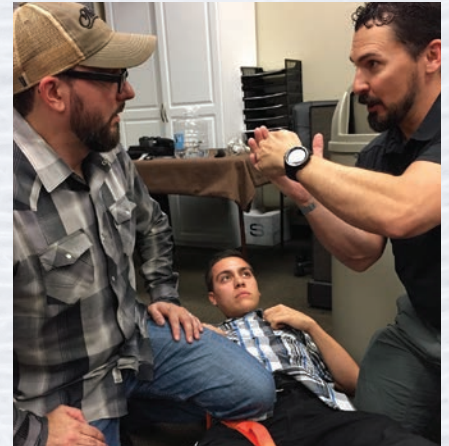
Tourniquets have emerged as the standard of care in the tactical environment due to their ease of use, rapid ap-

plication and complete stoppage of blood loss. Current protocol considers the tourniquet an initial lifesaving intervention to control massive hemorrhage from an extremity.

The old dogma of “save a life, lose a limb” has been proven to be false. A tourniquet can remain in place for two to four hours. Thousands of combat veterans are walking around today with all their limbs because their lives were saved by tourniquet use.

Popular commercial tourniquets include the C-A-T®, SOFTT-W, SWAT-T™ and RATS® tourniquets. Each has its pluses and minuses. The C-A-T and the SOFTT-W are the only two tactical tourniquets the US Military Committee of Tactical Combat Casualty Care (CoTCCC) recommends.

In scientific studies, the C-A-T, SOFTT-W and SWAT-T have proven 100% effective in occluding blood flow in upper and lower extremities. As of this writing, there are no scientific studies on the RATS that I am aware of, although, it remains a popular option and has been



**Not only do you need the necessary tools, you also need to know how to use them. Kerry Davis of Dark Angel Medical instructs a student at their Direct Action Response Training course. Photo: Daniel Graham**

successfully employed in combat.

My everyday carry (EDC) are a C-A-T and a SWAT-T. They're compact, lightweight and complement each other.

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## THE INDIVIDUAL FIRST AID KIT (TRAUMA KIT): EVERY OFFICER SHOULD CARRY ONE

Continued from page 27



**Nitrile gloves for protection from blood and bodily fluids are essential. The author also keeps an MDI Microshield-Plus for rescue breathing and a Benchmade® 7 Hook rescue cutter in his kit.**

quet®) is a CoTCCC recommended tourniquet which has been used by the US military since 2005. It's the most fielded tourniquet in combat.

Now in its seventh generation, the C-A-T features a patented windlass system which is robust and easy to use (one-handed) for self-application. The Gen 7 C-A-T has a single routing buckle system which facilitates both a fast application and effective slack removal. The C-A-T is distributed in the US by North American Rescue ([www.narescue.com](http://www.narescue.com)). Although the C-A-T is simple to use and instructions are

included, an untrained individual is unlikely to quickly figure it out under stress.

The SWAT-T (Stretch, Wrap And Tuck Tourniquet), from H&H Medical ([www.swat-t.com/](http://www.swat-t.com/) or <https://buyhandh.com>), features a unique stretch retention design which is intuitive to use, making it more likely to be used by a bystander. Instructions are printed on it.

The SWAT-T is a medical multitool which may be employed as a tourniquet, pressure dressing, occlusive device, elastic bandage, sling and swathe, and more. It can be successfully employed for higher axillary and groin applications. Plus, it can be employed for pediatric and K9 applications, whereas windlass tourniquets cannot. The SWAT-T is being fielded in combat theaters and is standard issue in a growing number of law enforcement agencies. Rapid one-handed self-application with the SWAT-T does take a little practice. It's not as easy as the C-A-T in this regard.

As was mentioned, the SOF Tactical Tourniquet Wide (SOFTT-W) ([www.tacmedsolutions.com](http://www.tacmedsolutions.com)) and the RATS Tourniquet (<https://ratsmedical.com>) are also very popular choices.

A fine-point Sharpie® permanent marker should be kept in the kit for writing the time of application on the tourniquet(s) and a "T" on the cheek (now preferred placement) or forehead of the patient.

### Hemostatic Agents

Not all wounds lend themselves to tourniquet use. For bleeding which can't be stopped only by compression and isn't amenable to tourniquet placement, a hemostatic (clotting) agent should be used.

TCCC guidelines specify the application of a clotting agent in conjunction with the application of at least three minutes of direct pressure.

Hemostatic agents (compounds which promote clotting) have become increasingly popular in TEMS. They are designed to stop or slow bleeding more quickly than traditional direct pressure. This does not mean they are without controversy. While the general consensus is that these agents are a valuable addition in the effort to stop blood loss, some see less value in their use.

The overall answer may be that, when it comes to these products, they must be thought of as an addition to the means to

## The Rescue Essentials TCCC IFAK

As the saying goes, you're only as good as your training. Learning proper tactical combat casualty care techniques and practicing them in the classroom and in field situations has proven beyond all doubt to save lives. The critical importance of training to gain muscle memory and self-treatment capability cannot be overstated.

The Rescue Essentials TCCC IFAK is designed for use as a simulated medical equipment teaching tool for use by law enforcement and tactical medics and is not for field use. Built on North American Rescue's popular leg rig platform, the kit contains training versions of widely adapted medical products used to treat massive hemorrhage, airway and penetrating chest wounds. The IFAK includes training specific tourniquets, wound packing gauze, pressure dressing, and a chest seal. Also included is a naso tube, a decompression needle, shears, and gloves.

A complete list of contents:

- 1 C-A-T® Tourniquet (GENERATION 7)
- 1 Nasopharyngeal Airway
- 1 7.5" EMT Shears
- 1 6" Israeli Bandage
- 2 Compressed Gauze
- 1 Needle Decompression Kit
- 1 Practi-Seal Chest Seal Trainer
- 1 SWAT-T™ Tourniquet (black)
- 1 Combat Medic Reinforcement Tape
- 1 Casualty Card
- 1 Mini Sharpie® Marker
- 1 Nitrile Gloves

For more information, contact Rescue Essentials at (910)830-0286 or visit their Web site at [www.rescue-essentials.com](http://www.rescue-essentials.com).



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## THE INDIVIDUAL FIRST AID KIT (TRAUMA KIT): EVERY OFFICER SHOULD CARRY ONE

Continued from page 28



**The Combat Application Tourniquet (C-A-T®) is approved by CoTCCC and is standard issue to the U.S. military. Photo: North American Rescue**

an end. No hemostatic agent alone can stop significant bleeding. All must be coupled with direct pressure and the principles of blood pressure, blood flow and blood clotting.

When applied in conjunction with pressure, hemostatic agents can accelerate clotting and slow or stop bleeding. Such agents work very well as the material used to pack deep wounds. When combined with surface pressure or a compression bandage, the results are almost always favorable.

Controlling blood loss can be a major problem for some individuals, particularly those who take blood thinners and those who suffer from inherited or acquired bleeding or clotting disorders. The blood in these individuals does not clot quickly. Even the smallest cut can be a real problem. Again, hemostatic agents may be a valuable addition to controlling bleeding in these patients.

Hemostatic agents are employed for compressible (external) hemorrhage not amenable to limb tourniquet use or as

an adjunct to tourniquet removal when evacuation time is anticipated to be longer than two hours. They're primarily employed to control life-threatening bleeds. They're not for use in penetrating thoracic or head trauma. They can be used for deep lacerations as long as pleural or peritoneal space hasn't been breached.

Several brands are available commercially. All of them perform well on heavy bleeds. The latest generation of hemostatic products perform significantly better than earlier generations. The shelf life of these products is related to sterility, not efficacy.

Z-Medica® QuikClot Combat Gauze® (<https://quikclot.com>), CELOX® Gauze ([www.celoxmedical.com](http://www.celoxmedical.com)) and ChitoGauze® (<https://tricolbiomedical.com>) are CoTCCC approved hemostatic dressings. They work by different modalities. All have proven safe and effective. They are irrigated out of the wound at the hospital during treatment of the wound.

Current QuikClot products are Kaolin-based which do not create heat. Kaolin is a clay mineral which works by acti-



**North American Rescue's Flat Emergency Trauma Dressing (ETD®) features a flat folded vacuum configuration which reduces its footprint. It has a multifunctional all-in-one design and a simple application. Photo: North American Rescue**



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**QuikClot® Combat Gauze® LE is packaged in an easy tear pouch and contains an X-ray detectable strip for easy identification. The current generation is kaolin-based and does not cause an exothermic reaction. Photo: Z-Medica**

vating the body's own clotting cascade.

CELOX and ChitoGauze are chitosan-based. Chitosan is derived from the hard outer skeleton of shellfish, including crab, lobster and shrimp. It forms a gel-like clot when it comes into contact with blood.

### Pressure Bandages

Your kit should include a pressure bandage. It is utilized to direct and main-

tain pressure on a wound with the goal of creating enough pressure to stop the bleeding. It reinforces wound packing. When utilizing any pressure bandage, beware of tourniquet effect which can occur if the bandage is applied too tightly. Always assess distal pulse after application.

Many types of pressure bandages are available commercially. I went with the North American Rescue Flat Emergency Trauma Dressing (ETD®) ([www.narescue.com](http://www.narescue.com)) for my EDC kit. This dressing features a flat folded vacuum configuration which reduces its footprint. It has a multifunctional all-in-one design and simple application. There are no pressure bars or hooks to deal with. The bandage features both hook and loop, as well as C-Clip, securing devices. The 42 inch (unstretched) elastic bandage has a 4" x 6" nonadherent sterile ABD pad.

### Occlusive Dressings/ Chest Seals

Laypersons can treat penetrating chest injuries (sucking chest wounds) by the application of an occlusive dressing.



**SWAT-T™ (Stretch, Wrap And Tuck) is a versatile, easy to apply tourniquet which has proven highly effective in numerous studies. Photo: TEMS Solutions**

These chest seals may slow the development of tension pneumothorax and allow for better breathing. Both entrance and exit wounds need to be treated.

Occlusive dressings are designed to form a barrier and prevent outside air from entering the pleural cavity from an open pneumothorax (sucking chest wound). Many types of occlusive dressings are available, including the HALO® Chest Seal, HyFin® Chest Seal, Asherman Chest Seal™ (ACS), FOX Chest Seal, Bolin Chest Seal, and Vaseline® Gauze.

CoTCCC guidelines specify a vented dressing as the first choice and nonvented as second choice. I stay clear of the ACS, as it doesn't stick as well as the newer de-

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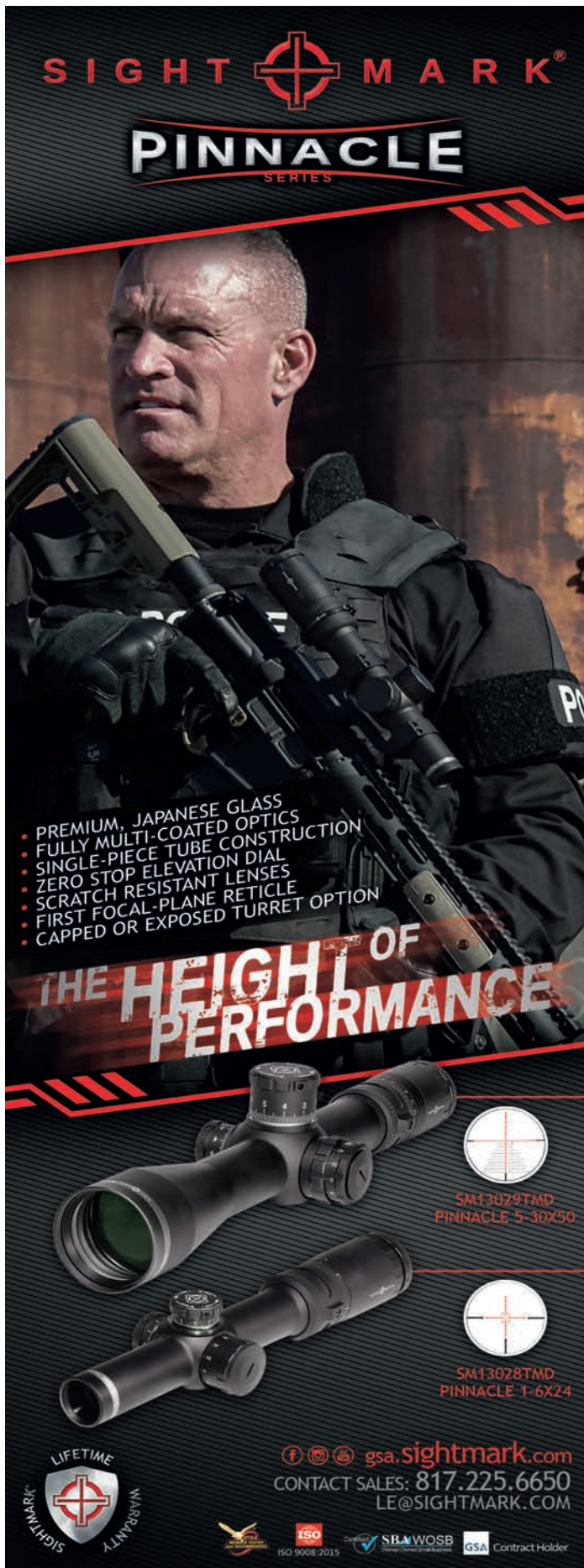
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## THE INDIVIDUAL FIRST AID KIT (TRAUMA KIT): EVERY OFFICER SHOULD CARRY ONE

Continued from page 31

signs and the valve is prone to clogging. Carry two chest seals to treat both entrance and exit wounds.

I went with the HyFin Vent Compact Chest Seal Twin Pack from North American Rescue ([www.narescue.com](http://www.narescue.com)) for my kit. The HyFin Vent features three channel pressure relief vents, as well as an advanced gel adhesive which sticks well to blood, sweat and hair. It has a large red tab for quick peel and stick application and "burping" the seal if needed. If the patient gets worse, the seal should be burped to ensure clogging hasn't occurred.

## Chest Decompression Needle

Tension pneumothorax is another leading cause of preventable deaths. It's the progressive buildup of air within the pleural space between the lung and the chest wall. Although tension pneumothorax normally develops over one to two hours, it can develop rapidly. It is 100% fatal, if not treated. The only treatment when it occurs is a needle thoracostomy (needle decompression) performed by skilled medical personnel.

Most trauma kits do not come standard with a chest decompression needle for several reasons. Needle decompression is an advanced skill. Most kits are designed so that it can be safely and effectively employed by anyone with a small amount of medical training.

If you have the authorization, training and the need, a "chest dart" can be added to the kit. One of the best is the ARS® Chest Decompression Needle, 14-gauge, 3.25" from North American Rescue ([www.narescue.com](http://www.narescue.com)).

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The ARS Chest Decompression Needle features a rugged needle/catheter protective tube and an easy open container for quick access. It also features an easy ID textured twist top with a clip and a capless flash chamber for immediate confirmation of needle placement. It's not much bigger than a standard pen.

### Other Essentials

Personal Protective Equipment (PPE) is essential. Gloves are the first thing on and the last thing off. Eye and face protection is also important.

Nitrile (latex-free) gloves are a must in any kit. A significant percentage of the population has a latex allergy which is a sensitivity to proteins found in latex. Latex allergy symptoms can range from mild to severe and can be life-threatening.

A barrier device (pocket mask, microshield or faceshield) for mouth-to-mask rescue breathing, such as those from Laerdal® ([www.laerdal.com](http://www.laerdal.com)) or MDI® Microtek™ Medical which is owned by Eco-lab® ([www.ecolab.com](http://www.ecolab.com)), is also good to have in the kit.

Trauma shears or a safety cutter should also be included. I keep a Benchmade® 7 Hook safety cutter ([www.benchmade.com](http://www.benchmade.com)) in my EDC kit for cutting away clothing, including footwear, and for cutting seat belts in a rescue situation. It's compact, made of 440C (58-61 HRC) stainless steel and has a large coated handle which works well with gloves. It safely cuts through clothing like a hot knife through butter. It has been proven superior to trauma shears in military studies.

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## THE INDIVIDUAL FIRST AID KIT (TRAUMA KIT): EVERY OFFICER SHOULD CARRY ONE

Continued from page 33



The SOF Tactical Tourniquet Wide (SOF<sup>®</sup>TT-W) is a popular choice of Special Operations Forces and is approved by the CoTCCC. Photo: Tactical Medical Solutions

### Training

Having the necessary tools is only part of the equation. Equipment is only as good as the training. Basic emergency medical training should cover the entire spectrum of lifesaving skills. And, like shooting, they are perishable skills.

Even the best med kit is of limited use unless you have been trained how to use it. Emergency medical training should be part of the basic skill set of every firearm owner. In fact, it should be part of the basic



Members of the Coffee County (Alabama) Sheriff's Department apprehend the "suspect" during an active shooter exercise. In an active shooter or terrorist event, EMS won't render aid until the scene has been secured. Photo: US Army by Nathan Pfau

skill set of everyone. The time to learn how to use a trauma kit is not when someone is bleeding out.

The National Association of Emergency Medical Technicians (NAEMT) ([www.naemt.org](http://www.naemt.org))

is a good source to find TECC-accredited training in your area. The 16 hour NAEMT-accredited TECC classroom course covers the following topics: hemorrhage control; surgical airway control and

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needle decompression; strategies for treating wounded responders in threatening environments; caring for pediatric patients; and techniques for dragging and carrying victims to safety.

BleedingControl.Org ([www.bleedingcontrol.org](http://www.bleedingcontrol.org)), an initiative of the American College of Surgeons (ACS) and the Hartford Consensus, is another excellent resource which can direct you to courses in your area.

Dark Angel Medical (<http://darkangelmedical.com>) offers an outstanding two day Direct Action Response Training (D.A.R.T.) tactical aid course at various locations around the country. There are no prerequisites for the class. It is a very thorough class with extensive hands-on training. Surgical airway control and needle decompression is not covered in the D.A.R.T. course since Dark Angel Medical feels that this should be left to skilled medical personnel (EMT/paramedic) in a civilian setting, a position taken by most law enforcement agencies. I attended and covered the course for another publication.

Although the Dark Angel Medical D.A.R.T. course doesn't offer TECC certification, the classes are nationally accredited and count towards 16 hours of refresher training for nationally registered EMTs and paramedics through CECBEMS and every student receives a certification in basic Bleeding Control (BCON).

Dark Angel Medical also offers a FREE online introductory course designed to teach the basics of bleeding control. The company also has an extensive line of well-thought-out med kits, as well as separate kit components. **P&SN**

*Eugene Nielsen is a private consultant and a former police officer.*



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# GLOCK®

## CONTINUES ITS PURSUIT OF PERFECTION

Todd Fletcher

*In the late 1980s, GLOCK took law enforcement by storm when they introduced the GLOCK 17. After a short period of time, GLOCK dominated the law enforcement handgun market – largely due to the high capacity offered by their pistols compared to other handguns of that time.*



**T**he primary reason GLOCK pistols continue to dominate the law enforcement market is the reliability and dependability of the GLOCK Safe Action System®. These pistols have proven to be durable and trustworthy companions of police officers worldwide.

Even with the introduction of new handguns by other manufacturers, GLOCK continues to garner a majority of the law enforcement duty gun marketplace. However, the powers that be at GLOCK recognized that, if they sit on their laurels, the other manufacturers are lining up to dethrone the king. Enter the new GLOCK Gen 5 handguns: the GLOCK 45, the GLOCK 19 MOS and the GLOCK 17 MOS, three new duty ready handguns any crime-fighter would be happy to carry.

### GLOCK Gen 5 Pistols

I've tested numerous GLOCK handguns, including bone stock and slightly modified versions, as well as some high-dollar custom GLOCK pistols. The Gen 5 pistols are, by far, the best GLOCK duty pistols I've ever shot.

Numerous upgrades abound. External improvements include the tougher and more durable nDLC finish on the barrel and slide; an ambidextrous slide stop lever; an enlarged and reversible magazine catch; and a slightly flared magwell which makes reloads quicker and easier. GLOCK redesigned the front of the slide and frame to a more rounded profile, making holstering a little smoother and easier.

Gen 5 pistols include the proven Modular Backstrap System (MBS) which was



*The GLOCK® 45 Gen 5 is much more than a GLOCK 19X wearing a black version of GLOCK's durable nDLC finish on the barrel and slide. This new pistol performs much better than expected and it quickly became my favorite of the new Gen 5 handguns.*

introduced on Gen 4 models. The interchangeable backstraps allow for individual adjustability and a better fit. In addition, the finger grooves on the front strap of the grip frame have been removed which should prove more comfortable to a wider range of shooters.

Internal improvements include the new GLOCK Marksman barrel which is said to deliver improved accuracy. A traditional coil spring has replaced the leaf spring under the slide lock lever. A redesigned striker safety plunger, new strikers, extractors, and even slide cover plates round out a short list of these changes. The magazine follower is now a bright orange color which makes it easier to check the round count in loaded magazines and the base plates are larger which make them easier to strip from the handgun if they fail to fall free during a reload or a malfunction.

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The trigger on the Gen 5 pistols is noticeably different and has a new feel. I found them to be smoother with a “crisper” break than previous generations. The trigger reset has the familiar feel along with the audible click which many GLOCK enthusiasts prefer; however, it’s shorter and quicker to the next shot.

### The Newest Gen 5 Pistols

In September, I had the opportunity to observe where the Gen 5 lineup was headed. These new duty handguns include the GLOCK 45, the G19 MOS and the G17 MOS. The three pistols get all of the Gen 5 upgrades and more.

The GLOCK 19 Gen 5 MOS and the GLOCK 17 Gen 5 MOS are capable of mounting a Miniaturized Red Dot Sight (MRDS) via the GLOCK Modular Optic System (MOS). They come with four adapter plates, making it easy to mount a variety of MRDS optics. This system can be used either with just the slide cover plate or adaptor plates which can be utilized to mount MRDS optics from EO-Tech, DOCTER®, Insight, Meopta, Trijicon RMR®, C-MORE, Vortex, and Leupold.

One of the notable changes is the addition of forward slide serrations which has been a popular aftermarket add-on for many years. When the GLOCK 19X and Gen 5 pistols came out, shooters continued to ask for these, as they are useful for press checks and are now common to most duty-class handguns. It may not be all about the bling, but many of us think they look pretty cool, too.

The new pistols are available with three different sight configurations, including the standard plastic sights, GLOCK 3 dot night sights or the AmeriGlo sights with a tritium and photoluminescent front sight. The AmeriGlo sights are listed as the GLOCK BOLD sights and are an excellent addition to a duty pistol. The front sight has a bright orange outline surrounding a green tritium insert. The result is a front sight which is quick to acquire. The rear sight is a familiar, serrated, traditional squared notch tritium rear sight.

### GLOCK 45

This may cause some confusion. The GLOCK 45 is the newest addition to the 9mm family and is not available cham-



*Considered by many to be the best all-around carry gun, the GLOCK® 19 Gen 5 MOS gets all of the Gen 5 upgrades with the option to mount a variety of Miniaturized Red Dot Sights (MRDS) via the GLOCK Modular Optic System (MOS). The exceptional GLOCK BOLD sights by AmeriGlo are a worthwhile upgrade.*

bered in the venerable .45 ACP. The GLOCK 45 combines the fast handling of the GLOCK 19 compact-sized slide with a full-size frame and a magazine capacity of 17+1 rounds. GLOCK calls it a “Compact Crossover” which improves on the design of the GLOCK 19X.

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If someone tells you that the GLOCK 45 is just a GLOCK 19X wearing a black finish, don't believe them as it features some considerable changes (the most obvious change is the color). The GLOCK 45, like most of their pistols, has a black frame, slide, barrel, and controls. Compared to the GLOCK 19X, the lanyard plug has been removed and the extension of the front strap which covers the front of the 19X magwell has been removed. I like this because the front strap extension on the 19X has been the cause of several pinch blisters caused by shooters getting skin pinched in between the magazine and the front strap extension during reloads.

### **GLOCK 19 Gen 5 MOS**

The GLOCK 19 Gen 5 MOS continues the tradition of durability, compactness and accuracy this model has been known for since its debut. Long considered one of the best all-around carry guns, the GLOCK 19 combines a compact frame and slide which is small enough for everyday carry, but large enough for some officers to utilize as a duty gun. This new handgun is

even more versatile because it combines the option of adding a variety of popular optic sights.

### **GLOCK 17 Gen 5 MOS**

The GLOCK 17 Gen 5 MOS is essentially the same as the GLOCK 19 Gen 5 MOS except it is the full-size version most commonly seen in duty holsters. The same MRDS mounting system is utilized and it shares the same forward slide serrations. I anticipate that this will become the most popular GLOCK pistol for duty use based on the full-size frame and full barrel length. All of the features and dependability which we have come to expect from the GLOCK 17 can be found on the new Gen 5 MOS version.

### **On the Range**

When it came time to hit the range, my GLOCK Gen 5 T&E pistols were put through their paces. These pistols were used intensely over the last three months while teaching classes and during personal training sessions, including precision shooting drills and a great deal of com-

bative shooting drills. Additionally, I never cleaned these pistols, but I made sure they were properly lubricated and ready to go.

All of them ran with the same reliability for which GLOCK pistols are known. Even when running a mixture of 115-, 124- and 147-grain training and duty ammunition, all of my T&E GLOCK pistols ran flawlessly without a single hiccup. After more than 1000 rounds through each, I never had a single malfunction. They ate everything I threw at them and just kept running.

Of the three new Gen 5 pistols, the GLOCK 45 surprised me the most. I didn't expect to be a fan of the "Compact Crossover" design. However, this pistol performed much better than I had anticipated. The compact slide presents quickly from the holster and the GLOCK BOLD sights (AmeriGlo) were quick to acquire. The full-size frame allowed me to obtain a comfortable grip and maintain a stable shooting platform. From shot to shot, the sights on the GLOCK 45 were predictable and easy to track. I have to admit, I really like this new GLOCK pistol. To paraphrase the Greek



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philosopher Aristotle, the whole of this pistol is greater than the sum of its parts.

A GLOCK 19 Gen 5 MOS with a quality miniaturized red dot may be one of the fastest pistols you can get into action. The shorter slide helps to present it smoothly from the holster and, with some training and practice, red dot sights are quick to acquire. A proper draw and presentation from the holster brings the pistol onto the eye-target line quickly. Placing the red dot along the eye-target line means an accurate first shot can be delivered as soon as the operator recognizes the need to shoot.

The GLOCK 17 Gen 5 MOS is both fast and accurate to shoot. When you add the mass of a MRDS to the slide, the mild recoil of this pistol helps maintain its flat shooting characteristics. Multiple strings of fire were fast and the resulting groups were tight. Transitions from target to target were quick and smooth, and reloads were a breeze, thanks to the enlarged magazine catch and flared magazine well.

My only complaint with any of these pis-

tols is the GLOCK BOLD sights by AmeriGlo have limited use as backup sights when an optic is installed on the MOS versions. Unless taller suppressor-type sights are used, if the dot fails, officers will need to understand how to utilize their sights while they are concealed by the optic. This is easily remedied with the addition of aftermarket suppressor sights and regular battery changes, but this means shooters miss out on those exceptional GLOCK BOLD sights.

In my opinion, these three new models are some of the best offerings you can find on the current handgun market. Many of the features seen on these models are a direct result of GLOCK watching the aftermarket and recognizing what customers want. Today's modern crime-fighter would be well-equipped with any (or all three) of these new offerings. **P&SN**

*Todd Fletcher is a sergeant in Central Oregon with over 23 years of law enforcement experience. He has presented firearms and instructor development train-*



***As law enforcement transitions to using Miniaturized Red Dot Sights (MRDS), the GLOCK® Gen 5 MOS pistol will quickly become the most popular full-size handgun for duty use.***

*ing nationwide and at multiple regional, national and international conferences. He owns Combative Firearms Training, LLC which provides firearms training and instructor development classes to law enforcement, military, private security, and armed citizens. He can be contacted at Todd@CombativeFirearms.com.*

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# THE WHEELS OF JUSTICE

# STOPPING THE BAD GUYS IN THEIR TRACKS

Sergeant James Post



Ever since the wild, wild west (and earlier), the bad guys have run from the good guys. Since then, we've been trying to figure out how to stop them before they hurt innocent citizens or one of us.

**O**f course, we've always had firearms available to us, but those have been pretty much ineffective at stopping moving objects from stagecoaches to Challenger Hellcats. Fleeing felons on horseback or Ninja crotch rockets make smaller targets, of course, but only if you can keep up with them.

## Car Chases

Car chases are the adrenaline pounding, brief moments which interrupt hours of boredom and they can be rewarding or frustrating. They are also the bread and butter of nearly every cop movie or TV show ever made. Over the last 20+ years, I've written about my own car chases – the good, the bad and the ugly – but here is one more I'll share which was easily the most frustrating experience of my career.

One evening as we were at roll call, we overheard on the station monitor a brother officer call in a car chase. As we listened, he reported he was on the street which ran in front of the station and headed our way. We all ran downstairs and out into the street as the high-speed parade approached. Of course, we collectively thought, "What the hell do we do now?" There were no large rocks or bricks lying about; we weren't about to stand shoulder

to shoulder in the street; and we certainly couldn't shoot at this reported traffic violator. So, we all did the only thing we could do – we threw our wooden night sticks at him as he flew by. I can only imagine the great stories he told his buddies about a bunch of crazy cops throwing tree limbs at him!

In the early days of motorized cops and crooks, the chases usually ended at the city limits or at the county or state line, but since criminals know no boundaries, most "hot pursuit" laws across the country today allow us to pursue them until apprehended.

My own history notwithstanding, this issue's column is all about halting motor vehicle pursuits, aka car chases, with everyone involved still alive at the conclusion. The good guys get to go home and the bad guys get to go to the gray bar hotel. We're not going to debate different agencies' car chase policies, but we do accept the notion that there are certain individuals who are always going to run – either on foot, bicycle, skateboard, Jet Ski®, motorcycle, or car. It's just in their DNA to run and they ALL think they can get away. They may have just committed a horrendous crime, or be wanted, or drunk, stoned or crazy, or simply just have watched too many police chases on YouTube. Regardless of their

motivation, if they are endangering lives, we have to stop them.

Historically, by far, the oldest and simplest method was a roadblock – two or more police cars completely blocking a roadway. It looks great in a movie, but, in actuality, it's an expensive, dangerous way to stop someone hell-bent on getting away. At some point, someone suggested that we give the bad guys a safe way to avoid hitting police cars and cops; usually, a car-size gap in the middle of the roadblock or room around the ends of the roadblock. So, that's what they did and the chase was on again.



*The Hollywood version of a police roadblock is always exciting and effective; however, in reality, it has proven to be a sometimes ineffective and dangerous practice.*



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## THE WHEELS OF JUSTICE

Continued from page 40

A somewhat safer variation is called a “rolling roadblock,” wherein an offender’s vehicle is boxed in by officers in front, in back and on either side as the officers slow down to a stop. In theory and rehearsal, this works well, but it is an extremely difficult and dangerous maneuver to accomplish in the real world, especially at freeway and higher speeds. Of course, the elephant in the room is the person being pursued, because you have no idea how they will react. If they are intent on a “suicide by cop” scenario, the result could be catastrophic.

Over the past decade or so, there have been several devices created to stop escaping vehicles, such as motorized sleds which pursuing officers can deploy to disable a vehicle and a dart-like affair which can be shot into the rear of the offender’s car to track it electronically.

By far, the most popular method being used is the spike strip, also known as traffic strips or stop sticks, but formally known as tire deflation devices. These are sections of various flexible or solid materials which contain sharp nail-like devices which can puncture tires, creating a “blowout.” A variation is hollow spikes



**Spike strips laid across the road are commonly used to terminate a high-speed pursuit; however, there are risks associated with the use of these types of devices.**

which puncture tires and remain in them allowing a slower deflation. These devices are stored folded or rolled up and are manually deployed by an officer in advance of a vehicle being chased, but therein lies the fatal flaw which has resulted in the deaths and injuries of many police officers. A 2015 *New York Times* article stated that over 30 officers and civilians have been killed in the two decades since spike strips became popular.

The deaths and injuries of officers usually happen when they misjudge the distance from the suspect vehicle, or the offender swerves to miss the strips and ei-

ther hits the officer or his (or her) cruiser, or intentionally aims at the officer. Earlier this year, a tragic example occurred in Washington State when a pursuing officer struck and killed the officer deploying the device. Pedestrians and innocent folks have been killed in accidents when the vehicle being chased blows tires. If none of these occur, suspects can simply drive around the strips or turn off as they approach and the strips are sometimes ineffective on heavy truck tires. In 2012, the FBI issued a bulletin urging law enforcement agencies to explore other ways to handle chases. Many departments, such as Dallas and Wichita, have banned the use of these devices.

As we’ve seen, safe and effective options for stopping fleeing vehicles are dwindling; however, if you police in a large metropolitan area, you likely have air support via either helicopters or fixed wing. Of course, they can’t land in front of an offender, but they are great at tracking them, particularly when the perp(s) abandon their wheels and run on foot. Before we know it, we’ll have unmanned drones to help, too. Eyes in the sky, plus excellent modern radio communications, allow the ground officers to back off and let the air officers take

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**The damage to the front end of this Crown Victoria was the result of conducting a PIT maneuver.**

over and, in the case of nonviolent traffic violators, we can let them continue on until they run out of gas, bail or make it home to momma where the ground troops can descend upon them.

Unfortunately, there is a particular class of criminals who have to be stopped by any means, lest they escape and jeopardize the lives of hostages, innocent citizens and fellow officers.

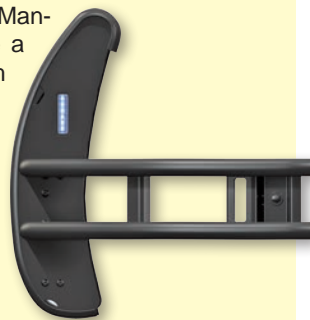
### The PIT Maneuver

Those of us who have been involved in law enforcement for a few decades remember the notion that many of the innovations in policing came from the West Coast, particularly the LAPD, CHP and San Bernardino County; however, you may be surprised to learn that the PIT maneuver, aka Pursuit Intervention Technique, was developed by the Fairfax County, VA, Police Department over 30 years ago. Also known as Pursuit Immobilization Technique, Precision Immobilization Technique or Parallel Immobilization Technique, the PIT maneuver

## The Case for Lighter Weight Components

In a recent conversation with the folks from Setina Manufacturing at this year's Police Fleet Expo, they made a convincing case for the use of aircraft-grade aluminum in manufacturing push bumpers, PIT systems and other aftermarket components and accessories (as opposed to using steel). Some of the advantages of utilizing high strength aluminum instead of steel include: 40% lighter weight than steel; doing so satisfies auto manufacturers' front end weight limitations; offers better vehicle handling and fuel economy; creates optimum weight distribution; and reduces front end fatigue.

For more information, visit [www.setina.com](http://www.setina.com).



**Learning the finer points of a PIT maneuver by putting the pedal to the metal.**

was actually adapted from the "bump and run" technique in stock car racing, where drivers would bump a competitor in a rear corner to cause them to lose traction and spin out.

Police PIT actions are designed to accomplish basically the same thing – to stop the offender's forward motion by impacting a rear corner, usually on the driver's side. Of course, there are many more details, requirements and procedures in-



**A number of different manufacturers currently offer optional attachments which bolt to their push bumpers for protection during PIT maneuvers. (Photo courtesy of Setina Manufacturing)**

involved, but suffice it to say, a PIT cannot be performed in a standard police cruiser or SUV without sufficient reinforcement and a well-trained officer.

Several manufacturers of push bumpers or push bars now offer optional attachments which bolt to their push bars to protect the cruiser's expensive front ends when performing PITs. These include Setina Manufacturing's patented PB-5, P.I.T. Fender Guard Systems and Setina's PB-9, P.I.T. Fender Guard Systems; Federal Signal's PBX Series Push Bumpers with optional HRPO PIT bars and Wing Wraps; Go Industries' P.I.T. Bumpers with optional Lower Pit Arms; Go Rhino's Heavy-Duty Wrap Around Brush Guards which bolt to their front uprights; and Westin's Elite and Elite XD bumpers with optional PIT Bar Elite and Elite Wing Wraps.

### Kansas City, MO, Police Department

Kansas City, MO, covers 319 square miles and consumes the majority of three counties – Jackson, Clay and Platte. City expansion has landlocked several smaller cities and the population of the metropolitan area is about 2.25 million. Kansas City is intersected by three interstates and several other highways. The interstates and some of the highways all



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## THE WHEELS OF JUSTICE

Continued from page 46



**The personnel and vehicles of the Kansas Highway Patrol makes an impressive lineup display.**

come together in a spaghetti bowl of freeways in downtown KC.

Kansas City has no fewer police pursuits than other major cities and probably more due to the freeway system and quick access to smaller jurisdictions with fewer officers. Kansas City car chases have been seen on network television for years, including the popular TV show, "COPS," which has featured my alma mater, the Kansas City, MO, Police Department several times. COPS producers point to one KCPD chase as the most spectacular they have ever filmed, primarily because they had film crews imbedded with two departments, along with a helicopter overhead. The chase began east of the city and headed west on I-70. Naturally, more units joined the chase in every jurisdiction it passed through, with KCPD becoming lead agency once

it was within their city limits. The chase wound through the spaghetti bowl, over the Kansas River and into Kansas City, Kansas, (yes, there actually are two Kansas Cities) where it was terminated. The chase was notable because of the length, but also because, for most of it, the fool was driving on front rims only, spewing sparks like 100 Independence Day sparklers. Filmed from overhead, the chase was heart-stopping and could not have been scripted better by any writer in Hollywood.

Since the early 1970s, the KCPD has been recognized for their innovative programs and procedures and that continues to today. As their Ford CVPIs were being retired and the transition to Dodge Chargers, PI Sedans and Utilities began, the department became aware of the difference between installing push bars on the body-on-frame Crown Vics and the unibody units with subframes (sometimes called engine cradles). As the newer cars (without the structural integrity of full frames) started suffering expensive front end damage when pushing vehicles or in accidents, the command staff realized something had to change. So, in late 2017, the department actually renamed their push bumpers "Accessory Racks" and mandated department vehicles would not be used to push vehicles except in emergency situations.

Officer Mike Moats of the Driver's Training Section had been urging the department to consider implementing PIT maneuvers for some time and Chief Richard Smith approved it. Officer Moats and his fellow Driver Training Instructors

traveled to the Federal Law Enforcement Training Center in Glencoe, CO, to learn the technique and teach others. At the current time, only a team of 20 tactical enforcement officers will be trained in the procedure which KCPD has named TVI: Tactical Vehicle Intervention.

Assistant Fleet Operations Manager Mark Crawford and other Fleet Operations Unit members were given the task of not only engineering the 20 TVI vehicles, but building the bad guy's cars to be used in training which they accomplished by attaching heavy steel panels to the rear quarter panels of retired CVPIs. To research PIT bumpers, Moats and several other Fleet Operations members traveled to the Kansas Highway Patrol's training facility in Salina, KS, to investigate their bumpers and how to install them. They learned the KHP uses Thunder Struck Bumpers, manufactured in Abilene, KS.

Thunder Struck celebrated their tenth anniversary this year and their bumpers are proudly made in the USA. They are currently the only company in the United States which manufactures bumpers using square tubing which is stronger than the round tubes used by some of their competitors. In addition, their TVI units are fully welded and their Charger and PI Utility bumpers come standard with lower skid plates for extra protection and feature heavy mesh grill guards. For more information, contact them at [www.thunderstruckbumpers.com](http://www.thunderstruckbumpers.com). **P&SN**

*Sergeant James Post appreciates your comments and suggestions for future articles. He can be reached at [kopkars@arkansas.net](mailto:kopkars@arkansas.net).*

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Circle 1063 for More Information



# ABOVE AND BEYOND

Artwork by Don Lomax

An aftermath video of this incident can be viewed here:

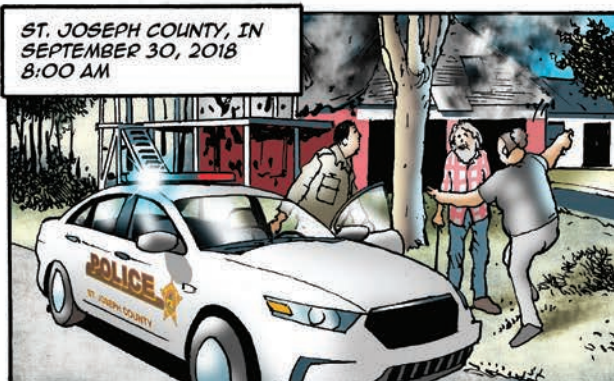


<https://tinyurl.com/y7fadhef>

HONORING THOSE WHO TAKE RISKS AND SAVE LIVES

"Above and Beyond..." salutes Corporal Chris Boling of the St. Joseph County, IN, Police Department

ST. JOSEPH COUNTY, IN  
SEPTEMBER 30, 2018  
8:00 AM



ON PATROL IN CLAY TOWNSHIP ON SATURDAY MORNING, CORPORAL CHRIS BOLING OF THE ST. JOSEPH COUNTY, IN, POLICE DEPARTMENT RECEIVED A DISPATCH REPORTING A HOUSE EXPLOSION ONLY A FEW BLOCKS FROM HIS LOCATION! LIGHTS AND SIRENS ACTIVATED, HE ARRIVED TO FIND SMOKE BILLOWING FROM A DETACHED GARAGE!

OFFICER BOLING QUESTIONED THE FRANTIC PAIR OUTSIDE WHO REPORTED THAT 63-YEAR-OLD MICHAEL RAINES WAS INSIDE THE COLLAPSED SECOND FLOOR APARTMENT!



IS ANYBODY IN THERE?

YEAH, HE'S UPSTAIRS!

THE SMOKE WAS STIFLING. THE HEAT SEARING. OFFICER BOLING CALLED OUT TO THE MAN HE KNEW WAS TRAPPED INSIDE UNDER THE COLLAPSED ROOF!



CRAWL TO ME!

I CAN'T, I'M TRAPPED!

OFFICER BOLING SEARCHED ABOUT WHILE FIGHTING THE SMOKE AND FOUND A DOWNED TIMBER. USING IT AS A LEVER, HE PRIED UP THE FALLEN ROOF SUFFICIENTLY FOR RAINES TO CRAWL OUT FAR ENOUGH FOR BOLING TO DRAG HIM TO SAFETY.



BOTH OFFICER BOLING AND RAINES WERE TAKEN TO MEMORIAL HOSPITAL TO BE TREATED FOR BURNS AND SMOKE INHALATION. THE REASON FOR THE EXPLOSION AND SUBSEQUENT FIRE HAS NOT BEEN DETERMINED.



ALTHOUGH IT WAS AGAINST HIS TRAINING TO NOT ENTER BURNING BUILDINGS TO SEARCH FOR VICTIMS TRAPPED INSIDE, OFFICER BOLING COULD NOT STAND BY WHILE THE ELDERLY GENTLEMAN BURNED TO DEATH. DISREGARDING PERSONAL JEOPARDY, CORPORAL BOLING DEMONSTRATED THE COURAGE TO GO ABOVE AND BEYOND.



THE END



# S.W.A.T. MANAGEMENT SOFTWARE

Bill Siuru, Ph.D., PE

Law enforcement, including S.W.A.T. teams, are under ever increasing scrutiny by administrators, the media and the public in general. Thus, complete and accurate records are vital in order to address any queries or concerns with accurate details.



**T**eams must also manage their equipment, including firearms, munitions, vehicles, and other miscellaneous items, so that they know the status of each, such as being in-service, under repair, requiring repair, or need to be replaced. And, of course, there is a need for financial data for budgets and general accountability. Up-to-date information is needed on personnel assigned to these units. Also, after action reports on particular incidents can help explain what went right, what went wrong and identify further training which might be needed. Finally, teams must prepare for future operations, including detailed information on locations where potential S.W.A.T. operations might take place.

All of this adds up to lots of reports and paperwork which can consume time better spent fighting and preventing crime. In response to this need, L.E.A. Data Technologies has developed its S.W.A.T. Management Program to help make the job easier and less time-consuming. Like all of the company's software programs, it was originally developed by a retired veteran, Detective David A. Broomfield, who has 28 years of experience as a police officer and crime analyst. It includes extensive input from other patrol officers and detectives who also have years of experience and practical insight. Four years were spent researching the information and working with S.W.A.T. teams across the country to beta test the program before they offered it for sale.

The S.W.A.T. Management Program incorporates four different components associated with supervising S.W.A.T. operations. These include 1) reporting on S.W.A.T. incidents; 2) managing S.W.A.T. equipment; 3) tracking S.W.A.T. team officers; and 4) site assessments where potential future operations might take place.

## S.W.A.T. Incidents

This section's screens capture detailed information about a S.W.A.T. incident or planned operation, including "after action" reporting. There are 17 different screens to capture all the information the program tracks, starting with where and when it took place to when and where officers were debriefed. Times, along with actions or events which occurred during the incident, can be used to quickly create an exact timeline of what took place and when. Another screen captures information on each officer who participated, as well as the number of regular, overtime and comp time hours each officer worked and what their assignment was during the incident.

Information on the suspect includes the types of force used or threatened, and weapons the suspect used or threatened to use. Likewise, there is information on the different types of force the S.W.A.T. team employed with each type of weapon and equipment used, along with the particular ordnance which was expended, the number of rounds expended and who expended them. A notes area allows the capture of unlimited details about each item, including detailed information about suspects, witnesses and others involved in the incident. Also included are injuries, how they were injured and treated, as well as details about damages incurred. If snipers were involved, the software captures details like sniper positioning, snipers' names, their primary duty (sniper, spotter, etc.), firearms used, and details on action taken by each sniper. Finally, what took place which terminated the incident and the final disposition of the suspect are documented. After action comments include the highlights of the incident, what can be improved upon, and recommendations for further training. There is ample room for text about these three topics.

## S.W.A.T. Equipment

This section covering S.W.A.T. equipment is broken down into four components – firearms, munitions and supplies, vehicles, and general miscellaneous equipment. The current status of each item in the team's inventory will fall into four categories:

- **Active:** currently assigned to an officer or a location;
- **Inactive:** not assigned, on the shelf, in stock, ready to be assigned;
- **Off Line:** being serviced or repaired; and
- **Disposed Of:** no longer in the team's possession – details on where, when and how it was disposed.

The status of each item includes description, where assigned, complete service and repair histories, and associated costs. Vehicle information includes where it is assigned along with complete service and repair logs, including costs involved. All munitions and supplies and special serialized ordnance rounds (flash bangs and stingball rounds) are tracked for possible reporting to the ATF. Early warning alerts let you know when items are scheduled to be re-ordered, serviced or need to be replaced.



## Team Officers

This section allows tracking all of the officers associated with the S.W.A.T. team. This includes their individual personnel records, special training received and photos. It also includes weapons and other equipment assigned to them.

## Site Assessments

This section contains information associated with locations within your jurisdiction where you could possibly have to respond to incidents so that your team is prepared for the worst-case scenarios. Site assessments are conducted on locations such as schools, banks, government buildings, and other facilities which have a high potential for incidents requiring S.W.A.T. operations. This information is stored before you need it, saving valuable time when the incident occurs and, possibly, even lives.

This section also contains 11 different screens covering barriers and hazards which you may have to deal with; utilities which could cause problems and where they are located; access points; staging areas; evacuation plans; and streets, roads, businesses, and other locations which might have to be closed. There are screens which give key contacts at each site and details about the security which is in place there which may be helpful to your team. Files and documents from other applications, as well as photos and diagrams providing more details, can be attached.

All software includes access to on-screen "HELP" from every screen and free technical assistance is available during office hours. Law enforcement agencies can obtain a detailed demonstration and training CD. The S.W.A.T. Management Program's price tag comes in at \$2,000.00. **P&SN**

Date	Type	Description Of Services Or Repairs	Cost
12/09/2016	Service And Cleaning	Regular Test Fire, Clean and Service	\$5.00
02/09/2016	Service And Cleaning	Last Cleaned And Serviced by Range Master	\$5.00
09/07/2015	Service And Cleaning	Regular Test Fire, Clean and Service	\$5.00
03/06/2015	Service And Cleaning	Regular Test Fire, Clean and Service	\$5.00
02/02/2015	Modifications	Added Tritium Night Sights	\$99.00
02/02/2015	Inspection	Operational Readiness Inspection - Condition Excellent	\$0.00
09/22/2014	Service And Cleaning	Regular Test Fire, Clean and Service	\$5.00
08/28/2014	Repairs	Replaced Firing Pin	\$100.00
03/18/2014	Service And Cleaning	Regular Test Fire, Clean and Service	\$5.00
10/01/2013	Service And Cleaning	Regular Test Fire, Clean and Service	\$5.00
04/03/2013	Service And Cleaning	Regular Test Fire, Clean and Service	\$5.00
10/03/2012	Service And Cleaning	Regular Test Fire, Clean and Service	\$5.00
08/03/2012	Service And Cleaning	Regular Test Fire, Clean and Service	\$5.00

Menu options: Return To The Firearms Screen, Add New Service And Repairs, Locate Firearms (Active, Inactive, Off Line), Add New Firearms, Main Menu, Firearms, Program Main Menu, Reports, Service And Repairs, View Firearms History And Repair History Report.

Sample screen for the firearms menu section of the S.W.A.T. Management Program

For more information, contact:

L.E.A. Data Technologies  
14290 SE Lyon Street  
Happy Valley, OR 97086  
Web site: <http://leadatatech.com/>  
Phone: (877)296-3282  
E-mail: teamLEA@aol.com

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

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# EDUCATION 101: Criminal Justice vs. Homeland Security

## Choosing the Right Program Is Key to Achieving Your Career Goals

Rebecca Waters

Once you've decided to pursue higher education, the decision-making process has just begun. Which degree is most likely to help you reach your objectives? Which school should you attend?

**“B**efore deciding to pursue my doctorate degree in criminal justice, I first spoke with the admissions representative, a current student in the program that I was considering, and a graduate of the program,” says Dr. Michael Pittaro, Assistant Professor of Criminal Justice at American Military University. “I then spoke with friends in intelligence, criminal justice and homeland security before finally deciding that criminal justice was the best fit for me based on my background and what I planned to do with the degree – teach criminal justice. A degree in homeland security did not exist in the 1980s when I pursued my undergraduate degree. For those already connected to homeland security in some capacity, whether military or civilian, they must decide if a related degree would benefit them in advancing their career goals.”

Speaking with friends and colleagues already working at your dream job is a great way to make sure you are picking the right program. They can help you identify the courses which are most appropriate to your desired field; the programs which are most respected; and the degrees for which employers are looking.

Prospective students should consider the quality of the program; the cost of the program; and, for those considering at-

tending school while working, the flexibility of the program and whether work experience can be applied toward their degree. In terms of quality, it is advisable to check if the school is accredited and consider the reputation of the program and the quality of the instructors. If considering an online program, a brick and mortar school with an online presence is more likely to be a quality program which will be around for years in the future. Choosing a public school or one which is at least partially publicly funded can also ensure the longevity of the program, as well as save you money on tuition.

“The online world of teaching has changed adult learning in many positive ways. Unfortunately, there are also a number of schools which have popped up looking to earn a profit without the same regard for the quality of education,” says Brian Kohlhepp, Assistant Professor at California University of Pennsylvania. “Students should make sure that the institution they are considering is regionally accredited and look at the regional accrediting body where they school is located.”

### **Criminal Justice vs. Homeland Security**

When selecting a degree program, you must consider your ultimate career

goals. “Criminal justice degrees have a wider appeal as they can be applied in many different ways,” Kohlhepp explains. “Homeland security degrees are more focused, but that is a field which requires said focus. So, if a student is considering that specific field, then a homeland security degree is likely the right choice. If they haven't yet selected an area of focus or want to take a broad approach to criminal justice, then that is probably a better fit.”

“I like to talk with each prospective CalU student to make sure that they choose the right path for what they want to accomplish with their degree,” he adds.

“A bachelor of arts in criminal justice provides students with knowledge in the areas of US law enforcement, criminology, investigations, law, and community relations,” adds Dr. Chuck Russo, Program Director for Criminal Justice at American Military University. “A bachelor of arts degree in homeland security provides students with knowledge in the areas of terrorism, counterterrorism, hazard management, intelligence, and other components of national security.”

These distinctions may be more pronounced at the graduate level, Pittaro explains. “A BA/BS in criminal justice can provide versatile opportunities at the local, state and federal levels of government, as



well as opportunities within the military, private and nonprofit sectors. A homeland security degree provides the same general opportunities as a criminal justice degree at the baccalaureate level, but, at the graduate level, it might limit some opportunities whereas a criminal justice graduate degree would not."

"A master's degree in criminal justice is great for students who want to advance or begin a career in the criminal justice system. Aspiring post-secondary instructors and prospective or current civil servants will thrive in a master's in criminal justice degree program," says Heather Bradley, Content Director for Enrollment Management at Liberty University.

"For experienced law enforcement professionals, a Ph.D. in criminal justice can prepare them for senior leadership roles in criminal justice organizations at all levels of government. Through advanced research and analysis of criminal justice practices, students will learn how to assess and improve government and law enforcement organizations while mastering techniques in teaching and leadership," she adds.

## Homeland Security

The Department of Homeland Security was created through the integration of 22 different departments and agencies following the terrorist attacks of September 11, 2001. Because of this, students studying homeland security will share the same foundational courses as criminal justice students, but will take courses in additional topics.

Homeland security degrees include the basics of criminal justice, as well as courses in topics such as infrastructure protection, emergency planning, terrorism and counterterrorism, and threat analysis. The most common entry-level homeland security careers fall within these types of roles: disaster preparedness and response, infrastructure protection and intelligence activities, in both public and private sector work environments.

Completing homeland security courses in legal issues and homeland security organization and administration will help students understand the legal framework from which national policies and priorities are derived. Graduates should become

professionals with the skill set necessary to serve in security, disaster response, anti-terrorism, and intelligence communities.

"For those pursuing an advanced degree like a Ph.D., students will receive advanced knowledge and skills in a wide range of topics, including cybersecurity, counterterrorism and counterintelligence strategies, and vulnerability analysis and protection of critical infrastructure. In addition, they will prepare for dealing with international crime rings and terrorism," Bradley says.

## PROGRAM HIGHLIGHTS

**American Military University**  
[www.amu.apus.edu](http://www.amu.apus.edu)

*Criminal Justice (A.A., B.A., B.S., M.A., Graduate Certificate)*

*Homeland Security (B.A., M.A., Undergraduate and Graduate Certificate)*

"Most of our instructors hold doctorate degrees and have extensive real-world experience, with many also holding leadership positions in the profession," says Pittaro. "Most of my colleagues also have military experience and pursued their de-



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## EDUCATION 101: CRIMINAL JUSTICE VS. HOMELAND SECURITY CHOOSING THE RIGHT PROGRAM IS KEY TO ACHIEVING YOUR CAREER GOALS

Continued from page 53

grees while working full-time and caring for their families, so we, as a faculty, can better relate to our students, especially on a personal level.”

### California University of Pennsylvania [www.calu.edu](http://www.calu.edu)

*Master of Science in Legal Studies; Concentrations in Either Homeland Security, Criminal Justice or Law and Public Policy*

CalU's programs have a strong basis in law and policy. A large number of the students are active police or military members who are either seeking to climb the internal ranks, look to a second career, or perhaps teach now or in the future.

“The number one thing I hear from our students after beginning to take courses toward their degree is that the CalU Legal Studies program is giving them skills which can be used immediately in their careers, in addition to accomplishing the goal of earning a graduate degree,” Kohlhepp says.

### George Washington University [cps.gwu.edu](http://cps.gwu.edu)

*Police and Security Studies (B.S.)*

Developed in consultation with DC-area law enforcement experts and police specialists, and drawn from faculty expertise from six of GW's schools, the police and security studies bachelor's degree completion program aims

to create more effective professionals, developing problem-solving approaches, as well as communication and leadership skills. Taught fully online by law enforcement and criminal justice experts, this innovative curriculum will empower students to confront crime and rise up the ranks. The program is fully online so the content and schedule are designed to meet the needs of full-time law enforcement professionals who are balancing a demanding job and family obligations. The program can be completed in just over two years.

### Liberty University [www.liberty.edu](http://www.liberty.edu)

*Criminal Justice (A.A. to Ph.D.), Concentrations in Leadership, Criminal Psychology, Strategic Intelligence, Crime Scene Investigation, Juvenile Justice, Public Administration, and Forensic Psychology*  
*MBA in Criminal Justice*

Liberty's criminal justice and homeland security degree programs place an emphasis on integrity and ethical leadership. Courses are taught by seasoned professionals, many with years of experience in criminal justice, legal and homeland security. Students currently working as a police officer or as a first responder or in the military are eligible for special tuition rates and can have their work experience evaluated for course credit. **P&SN**

*Formerly the Editor-in-Chief for Forensic Magazine, Rebecca Waters is a freelance writer and editor.*

Further references:

<https://onlineschoolsreport.com/best-online-homeland-security-degrees/>

<https://onlineschoolsreport.com/best-online-masters-in-homeland-security-de>

## Career Paths

### Criminal Justice

- Police officer
- Detective
- Forensic science technician
- Criminal justice teacher/professor
- Security manager
- Private detective/investigator
- Correctional officer
- Forensic accountant
- Forensic psychologist
- Organized crime analyst
- Criminal justice administration (federal, state or local)
- Polygraph examiner/operator
- Police chief
- Sheriff
- Prison warden
- Crime scene investigation unit manager

### Homeland Security

- Threat assessment analyst
- Security analyst
- Lead investigator
- Cybersecurity analyst
- Intelligence analyst
- FBI agent
- Work for the Federal Emergency Management Agency (FEMA); the Dept. of Homeland Security; U.S. Customs; the Center for Disease Control (CDC); or the Transportation Security Administration (TSA), among other government organizations



Circle 1067 for More Information



A photograph of Sergeant Bill Bonaguidi, a man with short brown hair, smiling and looking slightly upwards and to the right. He is wearing a white police uniform shirt with "HIGHLAND PARK POLICE" and "BONAGUIDI" patches. He has sergeant's chevrons on his sleeve and a police star on his chest. His arms are crossed. The background is a blurred outdoor scene with trees and a building.

SERGEANT BILL BONAGUIDI  
HIGHLAND PARK (IL) POLICE DEPARTMENT

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**Circle 1068 for More Information**



# NEW TECHNOLOGY



New  
Training  
Helmet

Available from the Gun Shop, the **MPG Pro Helmet** is the most advanced paint marker training helmet on the market. With an ultralight-weight design for mobility and flexible cheek panels for sight pictures on rifles, the "one size fits all" **helmet** features easy strap adjustments, scratch-resistant lenses with anti-fog treatment; and vented ear and mouth protection for improved hearing and increased breathability. The replaceable lens meets ASTM and ANSI impact test standards.

**Circle 1069 for More Information**

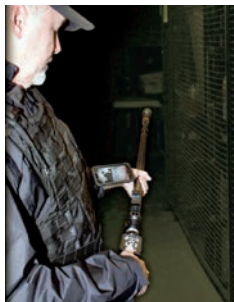


## New Space Creator Partition

Jotto Desk recognized the unused space available behind the front passenger seat and has designed a partition to utilize this space. An improved bidirectional recessed housing provides depth behind the equipment console, allowing for mounting gun racks, printers and other items. It also provides more leg/knee room in order to transport larger prisoners.

The **Space Creator** partition includes a High Security/High Visibility (HS/HV) window option which provides an improved line of sight and the 4" H x 11" W window allows for communication or passing information, and is easily cleanable.

**Circle 1070 for More Information**



## New Wireless System from Zistos

The **ZistosHD Tactical System** is a state-of-the-art encrypted wireless system which supports true 1080P HD, low latency video and can be viewed on a laptop, tablet or smart phone. This new **system** design utilizes interchangeable modules which can be switched in the field, maximizing its effectiveness and suitability for use in many different tactical applications – allowing tactical teams to make safe, visual assessments of dangerous conditions and different environments.

**Circle 1071 for More Information**



## New High Volume Burst (Fogger) Spray

Aerko International recently began producing a new improved version of the High Volume Burst Fogger for FREEZE+P, CLEAROUT, and PUNCH II aerosol subject control sprays. This new version uses a spring-loaded flip top, replacing the "press to break" cover.

The wide finger pad area of the Flip Top Safety overcomes the difficulty of the previous index finger only spray required by the old style cover. The flip top allows for thumb or index finger application and offers better protection from accidental discharges.

The **Flip Top Burst** option still uses the proven high volume valve mechanism for quick dispensing of the irritant in a high volume vapor without sacrificing accuracy or spray distance.

The **High Volume Flip Top Burst** option is available in two ounce, four ounce and 16 ounce sizes in FREEZE+P NF, DEEP FREEZE, PUNCH II NF, and DEEP PUNCH. A six ounce size of CLEAROUT vapor formula is also available with the **Flip Top Burst** or traditional total release lock down actuator. Samples are available.

**Circle 1072 for More Information**



## VirTra-Virtual Interactive Coursework Training Academy™

VirTra has recently launched **V-VICTA™**, an all-in-one solution designed to support law enforcement training programs in an efficient and cost-effective manner.

The **VirTra-Virtual Interactive Coursework Training Academy™ (V-VICTA)** enables law enforcement agencies, through the use of firearms and use-of-force training simulators to effectively teach, train, test, and sustain departmental training requirements. The newly developed and nationally accredited coursework, when combined with the new VirTra Virtual Instructor™ (V-VI) and training scenarios, empowers trainers with immediate training program improvements.

**V-VICTA** courses provide a complete solution to combine the classroom, the simulator and testing to ensure the best long-term results which can achieve more consistent performance from students.

**Circle 1073 for More Information**

## New #01L F.A.M.S. Holster with Lock Hole™

This DeSantis Holster's asymmetrical design is now the standard issue for the U.S. Secret Service and other federal law enforcement agencies. The hole accommodates a padlock or standard handcuff behind the trigger, allowing the weapon to remain holstered and loaded, but locked and safe for childproof storage. Belt slots are 1 3/4" wide and it accommodates most combination locks and handcuffs. The **holster** now comes in a size which fits both the SIG P320 and P250 Compact – with or without a Romeo1 Reflex Sight.



**Circle 1074 for More Information**



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# BUSTED!

James L. McClinton, Ph.D

**Whatever happened to the concept of truth in advertising?...** Police pulled a 21-year-old driver over after spotting him driving erratically in Lincoln, Nebraska. When the officer took a look inside the car, he spotted something which seemed rather unusual. Peeking out from under the front passenger's seat was a plastic, 16 oz. sour cream container, with handwritten words on it. The officer could plainly see the words "Not Weed." The label proved to be incorrect – when he opened the container, he found 11.4 grams of marijuana. (And, the officer then explained, "Don't worry, this is not the Miranda Warning.")

**Maybe he didn't want to remember the date...** Police were dispatched to a report of a domestic disturbance in Pasco County, Florida, and, when they arrived, they found a husband complaining that his wife had smacked him around. It sounded like it was an open-and-shut case and the wife's excuse for committing acts of violence was the fact that her husband had forgotten their anniversary...again. Unfortunately, the officers didn't consider it an adequate defense and charged her with domestic battery. ("Hey, guys, today's the anniversary of that fight I had with my wife!" "Really? What was that fight about?" "I forgot our anniversary.")

**No offense, my good man, but that is one ugly baby...** Police say two Texas men admitted to stealing a shark from an aquarium and hiding it in a baby stroller. The incident, caught on surveillance video from inside the San Antonio Aquarium, shows one of the men standing over an open top aquarium and grabbing the 1.5 foot long horn shark out of the water with his hands. He then appears to nod to the other, who's holding a bag, and the two leave. The pair put the shark into the bag and then a bucket hidden inside a baby stroller. An employee saw the man take the shark out of the water and alerted management. When the men tried to leave, a manager asked if he could search their vehicle, but the men refused and left. Aquarium employees noted the license plate number and authorities quickly located the suspected shark snatchers. The shark was recovered in good health and the suspects face felony charges for theft. (They're lucky the stolen goods elected not to take a "bite out of crime.")

## REAL STORIES OF GENUINE ABSURDITY



### Without stupidity, there is no intelligence...

When the owner of a hardwood floors business in Grand Rapids, Michigan, arrived at work, he discovered that someone had broken into the store. Surveillance footage showed that around 2:00 a.m. the day before, a burglar had thrown a rock through his store window, apparently tempted by the "gold" bars stacked in the window. The not too bright thief failed to realize that the bars are promotional items made of foam rubber and stamped with the store's logo. The squeezable bars are meant for stress relief, an employee said, supporting the company's motto of "stress-free flooring." (I guess it was "fool's gold"!)

**They must've been tanked...** Ohio police say two men on a motorcycle, with the passenger holding a large fish tank, were arrested after an officer passed them while responding to a pet store's report of a stolen aquarium. The Niles Police Department says the passenger jumped off, breaking the aquarium, when the officer turned to follow the motorcycle. Another officer found the bike at another location and a "nervous-looking" man pruning a tree with his bare hands behind a home. He was identified as the bike's operator. (Those two should have known Beta.)

**He apparently hadn't heard the rumor that donuts attract cops...** Police have arrested one of three drivers accused of blocking traffic on San Francisco's Bay Bridge by doing donuts in the roadway. Videos posted to social media show traffic stopped on all five lanes of the upper deck as three vehicles engaged in "sideshow activity" by driving in tight circles across the lanes. "We responded. By the time we got there, most of the vehicles had fled the scene," said a CHP Officer. But, one was unable to flee the scene because it had been damaged while performing the stunt. The 21-year-old driver was arrested on charges of reckless driving, driving without a license, providing false information, and resisting arrest. (I see a reason to carry spike sticks in my car now.)

**"Ma'am, drop your weapon"...** Police officers were dispatched to a report of an ongoing bank robbery in Birmingham, Alabama. When they arrived, they found a woman still at the teller's window. It was the note that she handed the teller which made the crime rather unusual. In her note, she demanded cash and then promised a sexual favor for the bank manager if he delivered the goods. The note went on to warn that, if he did not deliver, she would accuse him of sexually assaulting her. Officers arrived and arrested her where she stood. "Our deputies were on the scene very quickly and saved this employee from something," said the chief deputy. "I'm not sure exactly what, but we saved him from something." (Getting rid of guns won't stop bank robberies...)

**I really hope the thieves ripped open that package in the comfort of their own living room...** Several residents along a block in Marina, California, were recently hit by mail thieves. But, the criminals probably didn't know what they had acquired when they stole one woman's package. The woman, who is an entomologist, had ordered 500 live cockroaches for a study she's working on. "I feel a little bad for the roaches in case they got smashed or tossed or something like that," she told a local television reporter. (With any luck, these were the kind which can fly!) P&SN



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