

AMERICAN

HANDGUNNER

67522 T&E

THE
MASTERS

INTERNATIONAL SHOOTING CHAMPIONSHIP

— plus —

Reloading
Super SabotsSherry
A. Glamor GunConversation
with
Jeff Cooper

Start your search for the ideal handgun with the design personally endorsed by Uncle Sam.

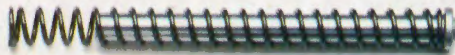
OPEN SLIDE DESIGN
Cut-away slide reduces weight, helps eliminate jamming and stove piping. Allows easy reloading from the breach.



ULTRA SAFE DESIGN
Integral firing pin block and trigger disconnect.



AMBIDEXTROUS SAFETY
Easy access for all shooters. Spring loaded so it's positively ON or positively OFF.



EXPOSED HAMMER SPUR
For easy cocking, single action operation.



13 ROUND STAGGERED MAGAZINE
Nearly doubles conventional capacity without added length.



DOUBLE ACTION
Cocking and firing achieved with one trigger pull.

REVERSIBLE MAGAZINE RELEASE
(84BB only).

When you're inspecting handguns for personal security, it makes sense to start with the Beretta 80 series. These gutsy .380 caliber pistols were forerunners of the legendary Beretta 92F, chosen over all competition as the official firearm of the U.S. Military.

Dollar-for-dollar, they offer more dependable firepower, easier maintenance and greater durability than anything else on the market. Plus many of the features that gave the 92F the edge over all other handguns. Like straight blow-back action. Open slide design. External hammer. Double action with firing pin block. Trigger bar disconnect. Ambidextrous safety. Reversible magazine release. And more.



Model 84
.380 auto,
13 Rd. capacity



Model 86
.380 auto,
8 Rd. capacity
Tip-up Barrel



Model 85 .380 auto,
8 Rd. capacity



Model 87 .22 LR,
8 Rd. capacity

Beretta's Model 84 features a 13-round staggered magazine, while the 85 and 86 Models offer single line 8-round magazines (the 86 comes with a safe, convenient tip-up barrel). The new .22 LR Model 87 is perfect for target or trail use. All are available with walnut or plastic grips. When a gun must perform accurately and without fail...these simply designed, absolutely reliable pistols are without equal.

Check out the 80 series medium frame pistols at your authorized Beretta dealer, or send \$2.00 for our full color catalog. Discover the design that made Uncle Sam a believer. Beretta U.S.A. Corp., 17601 Indian Head Highway, Accokeek, MD 20607. Phone (301)283-2191, (1-800-638-1301).



Beretta U.S.A.

NEW DILLON SQUARE DEAL

**Carbide
Dies
Included**

■ Made in the USA ■

There are a lot of people with a lot of fancy degrees out there that enjoy telling you that the U.S. is washed up in the production of quality innovative new products. That the American worker is lazy and expensive, that the guys that roll up their sleeves and get their hands dirty are mindless robots. Well they're dead wrong. Dillon Precision is a small tough company that's knocked the competition on its can. We've done it by giving our customers a quality product at a reasonable cost and standing behind our products with the industry's finest warranty and customer service. We have been the leaders in combining space age technology and U.S. ingenuity to bring shooters the very finest in reloading equipment. Dillon Precision now brings automatic progressive reloading within the reach of every pistol shooter. Born in the U.S.A., Dillon Precision proudly announces the most advanced reloader in the world.

■ Dillon's Square Deal ■

Our goals in designing this amazingly advanced reloader were simple. It had to be an entry level machine, easy to use even if you've never reloaded a cartridge in your life. It had to have a minimum amount of adjustments to take the mystery out of the reloading process. It had to be a quality lifetime warranted product, not an unsafe piece of potmetal junk. It had to be capable of quickly reproducing factory quality ammunition. Most of all it had to work, not just with a skilled operator, but for everyone that ever wanted to reload but was afraid to try. It had to be priced at about the same price of five or six boxes of factory loaded ammunition. Did we do it? You bet your ass we did. Don't you just love it when a plan comes together.

■ Top Gun ■

If you're going to learn to shoot well, you need to shoot a lot. Factory ammo is great but expensive. Our local dealer sells new 45 ACP for \$25.75 per box, that's \$51.50 per hundred. You can load that same ammo for less than \$11.40 per hundred. So economic good sense says you need to reload. It's been said that it's hard to soar with eagles when you're surrounded by turkeys and it's harder still to be a

\$135.00

**Complete
With
Adjusted Carbide Dies
Order Now.**

top gun while reloading with an inadequate, unreliable reloader. The Dillon Square Deal is the most reliable progressive reloader in the world. It is the fastest. It is the most accurate. It is the easiest to use. It has the best warranty. It has a no strings attached 30 day return policy. It's what you're looking for. It's a square deal.

■ Duplicating Factory ■ ■ Ammunition ■

It's no trick with a Square Deal. This is how it works. The Dillon Square Deal arrives from the factory ready to reload. Our drop-in insert dies are adjusted, you determine how much powder you want the automatic powder measure to throw and select the bullet depth. You place a fired cartridge into station one, a bullet at station three and pump the handle. The Square Deal resizes the fired round, installs a new primer, deposits powder in the case, seats the bullet, crimps the bullet, indexes and ejects the reloaded round into the attached collection box, all automatically. No mystery here, no hours of minute adjustments to get it just right. The Dillon Square Deal does it all. Priced at \$135.00 complete with dies in one caliber. The Square Deal is available in 45 ACP, 9mm, 44 magnum, 38 cal and 357 magnum. Complete conversions available.

■ Order Today ■

Try a Square Deal for thirty days. If for any reason you're dissatisfied return it and we'll refund your purchase price. You have nothing to lose. Call us **toll free**, a member of our staff will be glad to answer your questions and take your order. Please have your Visa or Master Card ready when you call. If you prefer, we will ship C.O.D./cash with no extra COD charge. All Square Deals are shipped freight paid within the continental U.S. Write or call for foreign rates.

**Dillon
Precision**
Products, Inc.

7442 E. Butherus Drive
Scottsdale, Az 85260

**Call Toll Free
1-800-421-7632
In Arizona 948-8009**



AMERICAN HANDGUNNER

MARCH/APRIL 1987

Vol. 12, No. 63

FEATURES

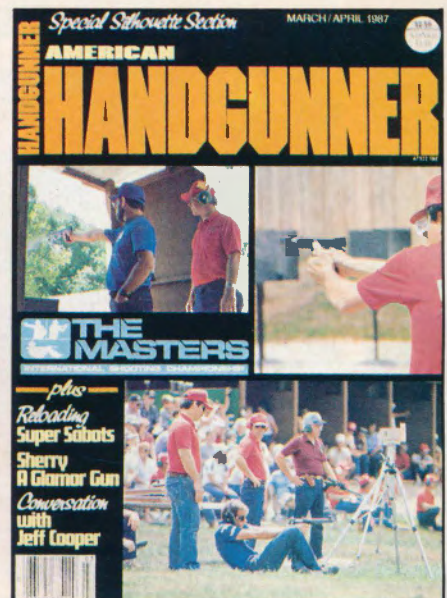
- BONANZA CO-AX PRESS**, By Dan Cotterman 25
An objective test of an unusual reloading press.
- THE AYOOB FILES**, By Massad Ayoob 27
The madman screams, "I'm coming out shooting!" He does, and he dies.
- MASTER TIPS**, By Jon Winokur 31
PPC Master Fred Romero discusses the fine points of sighting-in.
- THE MASTERS**, By Cameron Hopkins 34
A new 3-handgun match brings together pros and sportsmen.
- CUSTOM GUN GIVEAWAY** 40
A sumptuous Cogan Custom .45 could be yours.
- THE SHERRY PISTOL**, By Joe Zambone 42
A designer pocket pistol.
- SUPER SABOTS**, By Joe Zambone 46
Turn your .44 into a .357 with near 2,000 fps velocities.

SPECIAL SILHOUETTE SECTION

- SILHOUETTE DATA BOOK**, By Tim Johnson 12
A book review of a "book" that helps your shooting.
- THE .32-20 AND HUNTERS PISTOL**, By David A. Slye 32
This obsolete round is taking silhouette by storm!
- NRA HUNTERS PISTOL**, By Charles E. Petty 45
Larry Weir captures the national crown with a new record.
- IHMSA UNLIMITED GUNS**, By Bert Stringfellow 50
An overview of the hand-rifles of silhouette.

COLUMNS

- HANDGUN LEATHER**, Al Pickles 6
- HANDGUN HUNTING**, J.D. Jones 9
- PISTOLSMITHING**, John Lawson 10
- SILUETAS**, Jerry Rakusan 12
- THE GUILD SPEAKS**, George Wessinger 14
- HANDLOADING**, Dan Cotterman 16
- COP TALK** Massad Ayoob 22
- INSIGHTS INTO IPSC**, Cameron Hopkins 24
- LEATHAM'S COLUMN**, Rob Leatham 26
- CONVERSATION WITH A CHAMPION**, Jon Winokur 28
- INDUSTRY INSIDER**, Jerry Rakusan 78



Cover: The Masters 3-handgun match. Clockwise: Howard Roe, Wayne Bowker and Brian Enos. Photos by Cameron Hopkins.

GEORGE E. von ROSEN, Publisher
JEROME RAKUSAN, Editorial Director
CAMERON HOPKINS, Editor
SYD BARKER, Art Director
JOHN HART, Graphic Design
TOM HOLLANDER, Circulation Director
DENNY FALLON, Advertising Sales



NATIONAL ADVERTISING:
 591 Camino de la Reina, Suite 200,
 San Diego, CA 92108 (619) 297-8520
 Telex 695-478, Cable VONROSEN SDG

WEST COAST ADVERTISING:
 Media Sales Associates, 23232 Peralta Drive
 (Suite 218), Laguna Hills, CA 92653 (714)
 859-4448

EAST COAST ADVERTISING:
 Buchmayr Associates, 980 Post Rd., Darien,
 CT 06820 (203) 655-1639

**WE SUPPORT
 THE SHOOTING SPORTS
 Major Sponsors**



AMERICAN HANDGUNNER (ISSN 0145-4250) is published bi-monthly by Publishers Development Corp., 591 Camino de la Reina, San Diego, CA 92108. Second class postage paid at San Diego, CA 92108, and at additional mailing offices. Subscriptions: One year (6 issues) \$14.75. Single monthly copies \$2.50 (in Canada \$3.50). Change of Address: Four weeks' notice required on all changes. Send old address as well as new. Contributors submitting manuscripts, photographs or drawings do so at their own risk. Material cannot be returned unless accompanied by sufficient postage. Payment will be made at rates current at time of publication and will cover reproduction in any or all **AMERICAN HANDGUNNER** Magazine editions. Advertising rates furnished on request. Reproduction or use of any portion of this magazine in any manner, without written permission, is prohibited. All rights reserved. Title to this publication passes to subscriber only on delivery to his address. **SUBSCRIPTION PROBLEMS:** For immediate action write to Tara Hietpas, 591 Camino de la Reina, Suite 200, San Diego, CA 92108 or call (619) 297-8032. Ask for Tara Hietpas.
POSTMASTER: Send address changes to **AMERICAN HANDGUNNER** Magazine, ATTN: Tara Hietpas, 591 Camino de la Reina, Suite #200, San Diego, CA 92108.

THE PACT DIFFERENCE

"The PACT MKII is the only timer you will ever need. It's advanced 32 character LCD display instantly enables you to read out a number of important details from a given string of fire, while its audible start benchmark and stop signals allow it to time all kinds of shooting events. These features allow the convenience of practicing alone for any conceivable match situation. I never go to the range with out it and neither should you."

Rob Leatham CM



*Patent Pending

PACT MKII

The PACT MKII Championship Timer and Chronograph represents our commitment to design and production of the finest possible training equipment. To create it we combined the original Timer and Chrono-mod into a single unit. Then we dramatically cut the size and weight of the new package. Did we lose any features in the process? Not a one, in fact we added a few new ones—like a longer time limit for you PPC shooters, and automatic power factoring for all you IPSC shooters. The result is the smallest, lightest, most dependable, most cost effective and we believe, finest shooting timer and chronograph in the world.

WHY DO I NEED A SHOOTING TIMER?

Whether you are practicing for competition or to save your life; if you are going to improve, you must keep track of the two elements of marksmanship that you are striving to master: accuracy and speed.

Would you consider practicing without a target? Of course not, because without a target you have no measure of your accuracy. By the same token, if you practice without a timer, you have no accurate measurement of your speed.

"If you combined every other shooting timer on the market into one it would still not contain all the features of the PACT MKII. Working with it has measurably improved my basic shooting skills."

... Brian Enos

EASY TO USE

The MKII is about as easy to use as your pocket calculator. For example, to enter a stop beep or "par time" at 4 seconds, simply push "PAR". The timer will tell you "ENTER PAR TIME AND PUSH SET" so you push "4", "SET". Want to change it to 6 seconds? Just push "PAR", "6", "SET", it's that simple!

ADVANCED DISPLAY

The MKII features an advanced 32 character LCD display instead of the four digit display commonly found on other timers and chronographs. This display allows the MKII to provide you with all of the information for a given shot at a glance, eliminating the hassle of having to "toggle" back and forth between functions in order to review your string.

GIVE ME AN EXAMPLE:

Let's say you fire six shots, reload and fire six more shots. Here is an example of what the Timer will display:

```
#012 .27 6.67
FIND SHOT 7
```

- You have fired 12 shots.
- Your twelfth shot came .27 seconds after your eleventh shot.
- Your total time was 6.67 seconds.

```
#007 1.54 4.07
FIND SHOT
```

Now you are curious about how long your reload took, so you tell the Timer to "FIND SHOT #7" and you see that your reload took you 1.54 seconds. (The time between your sixth and seventh shot.)

\$49.00 CHRONOGRAPH

"The finest chronograph I have ever used"
... Ross Seyfried

Whether you shoot reloads or factory ammunition, you need to know how fast the ammunition you use is going when it leaves your gun

```
#005 856.2 FPS
PWR FCTR 171.2
```

By having the \$49 CHRONO-MOD™ installed in your Timer, you enable it to double as the best portable chronograph on the market. When you fire, your Timer will display the shot number and velocity of the last shot fired, as well as your current average velocity. When you finish your string, push "review", the Timer will display high velocity, low velocity and their corresponding shot numbers. Push "review" again and the Timer will display the extreme variation and average deviation. In addition each shot may be reviewed individually. Enter the bullet weight at the beginning of a string and the Timer will compute the power factor for each shot.

COST EFFECTIVE

Performance has its price and the MKII timer is more expensive than other timers on the market. However, when compared to purchasing a separate timer and chronograph the PACT MKII, with all of its features, ends up costing less. Even if you don't want to purchase a chronograph now, it can always be added at a later date.

"The PACT MKII is the only timer with all of the functions needed for advanced training"

... Chip McCormick

30 DAY MONEY BACK GUARANTEE

Try the PACT MKII for 30 days. If you are not 100% satisfied with every aspect of its performance, send it back undamaged (no fair driving over it) and we will refund your money. That's our promise and you can depend on it.

DO IT TODAY

Ordering a PACT MKII is easy!

BY PHONE: 1-800-722-8462
[In Texas] 1-214-641-0049

BY MAIL: We'll need to know your name, address, and daytime phone number. Please enclose a personal check, bank check, money order or card number and expiration date from your Visa or MasterCard. C.O.D. orders welcome.

PACT MKII CHAMPIONSHIP TIMER - \$329
PACT CHRONO-MOD [optional] - \$49
PACT SKY SCREENS \$15. EACH \$25./PAIR
Shipping & Insurance - \$5 UPS Ground, \$10 UPS Air. 4% charge for Visa or MasterCard. Texas residents add 5% sales tax.

NOTE: This \$329 price includes the Timer with belt clip, battery charger and manual. The CHRONO-MOD can be purchased with your Timer or it can be installed at a later date.

BROCHURE AVAILABLE covering the PACT product line. \$1.00 refundable with first purchase.

One year limited warranty.



P.O. Box 531525
Grand Prairie, TX 75053
[214] 641-0049
1-800-PACT INC

PACT, MKII Championship Timer and CHRONO-MOD are Trademarks of Practical Applied Computer Technology, Inc.

HANDGUN LEATHER

AL PICKLES

SMALL LEATHER SHOPS THRIVE DESPITE MASS PRODUCTION LINE COMPETITION

For many of us it is sort of hard to picture holster making as a computerized assembly process, yet there are a few companies that come quite close to that description. For the most part they are the big brand names in

leatherwork. There are other leather sales companies who farm out much of their work south of the border while presenting a domestic image. There is nothing wrong with either of these operations as long as the end product

is a good serviceable holster for a reasonable price.

At least one major holster maker who has been in the business for a very long time is still utilizing belt driven machines from before the turn of the century. Hand labor is still very much a part of his operation and the quality of his products is beyond question.

There are still, however, quite a few very small, almost basement or garage operations in the gun leather industry. In many of these cases the only machinery involved is a commercial sewing machine or two. Most of their work is quite good. If it wasn't, their small business would certainly not be able to survive in the presence of the computerized giants. Advertising for these small operations is usually by word of mouth. Sometimes their work can offer pleasant surprises.

One such small operation is John's Custom Leather of 525 South Liberty St., Dept. AH, Blairsville, PA, 15717. The entrepreneurs are John and Jo Ann Stumpf. Their designs are good, their work is equally good, and the pleasant surprise is prices are roughly one-half of what you might expect to pay.

My sample of their work is a Model #115 Breakfront Shoulder Holster fitting revolvers from 4 to 10½ inch barrels as well as most large autoloading pistols. While this particular holster was originally designed for the handgun hunter, the Stumpfs are experiencing an increasing local demand from law enforcement, especially the Pennsylvania State Police, for off-duty carry.

The breakfront design has a spring closure that is quite strong. As a matter of fact, while my sample is designed for the 4" Model 29 .44 Magnum, I find it also houses the smaller framed Charter Bulldog Tracker .357 Magnum quite securely and only a strong spring closure could accomplish that.

I will admit that upon initial inspection I was somewhat critical of the exposed metal "U" at the bottom of the front closure and wondered if it might scratch the underside of the barrel upon drawing the gun. Although this has not proved the case I still think I would prefer this metal piece covered, if only for aesthetics.

The proof of a good holster is, as in other things, in the use and I find nothing but praise for the comfort afforded by the #115 shoulder rig, a remarkable feat considering the rough use to which I put my holsters and guns while knocking about the ranch.

This particular holster is constructed of 8-9 ounce cowhide which is molded to order for the various large frame firearms. It is lined with smooth calfskin. The wide leather harness, which is actually the secret of a comfortable shoulder rig, is adjustable and features a "Balance Plate" in the center of the back where the straps cross. Security of the rig is assured by belt attachment snap loops. Stitching, finish, and uniformity of color are excellent. The best part of all, however, is a price range of only \$45.95 to \$56.75 for the largest of hunting guns.

John and Jo Ann offer several other interesting holster designs and their catalog is only a buck.



C.T. BRIAN — PISTOLSMITHING

"I WORK CLOSELY WITH MY CLIENTS TO BUILD THEIR ULTIMATE DUTY OR COMPETITION PISTOL. RELIABLE FUNCTION, MATCH ACCURACY, AND EXCEPTIONAL COSMETIC APPEAL ARE UNCONDITIONALLY GUARANTEED."



CATALOG — \$1.00

C.T. BRIAN — PISTOLSMITHING
1101 INDIANA COURT
DECATUR, IL 62521
217-429-2290

•I.P.S.C.

•P.P.C.

•DUTY — HOME DEFENSE

•BULLSEYE

•N.R.A. ACTION

**sold with
CONFIDENCE**

**DON HUME
LEATHERGOODS**

**When your dealer sells with
confidence, then you know its
got to be good.**

Don Hume holsters are sold by the most reputable dealers for a very good reason. Their experience over the past thirty years has taught them that buying quality is not only good business, but they gain a sense of pride and confidence.



For your copy of our NEW catalog,
send \$5.00 (refundable on \$25.00 retail order)
to: Don Hume Leathergoods, P.O. Box 351, Dept. AH, Miami, OK 74355

TAURUS HANDGUNS GIVE YOU THE RIGHT BALANCE OF TOP CRAFTSMANSHIP AND AFFORDABLE PRICE

EXCLUSIVE LIFETIME REPAIR POLICY

Taurus will repair your Taurus handgun free of charge for the lifetime of the weapon. No other handgun manufacturer makes this offer! See your dealer and ask to see the top-value Taurus line.

Meet the finest value dollar for dollar in firearms today Taurus handguns. They've earned an enviable international reputation for superb quality at an affordable price since their introduction in 1939, meeting the highest standards of accuracy, dependability and safety.

A Taurus is an ideal choice if you're a first-time handgun buyer and perfect for the experienced shooter.

Shooting a Taurus handgun gives you the opportunity to use a product that has been built from high-quality materials to the latest design specifications. Note the beautiful finish in blue, satin nickel, or stainless steel and the handsome Brazilian walnut grip that fits snugly in your hand.

Taurus offers a comprehensive selection of styles and calibers- .22 L.R., .32 Long, .38 Special, .357 Magnum, 9 MM and 380.

4"
Stainless

6"
Stainless

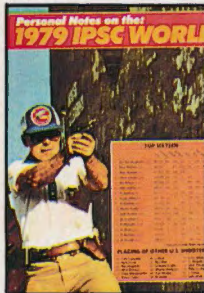
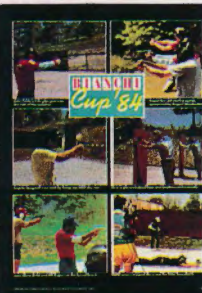
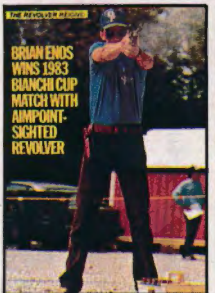
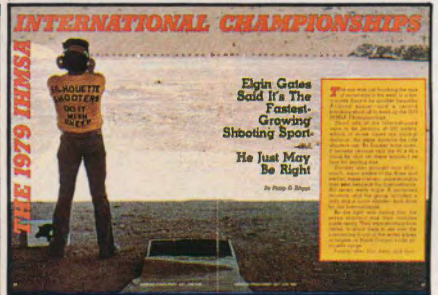
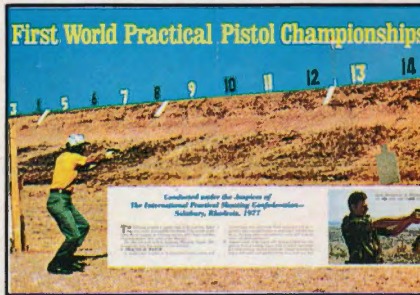
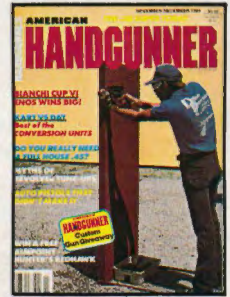
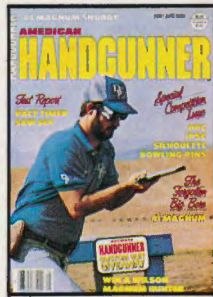
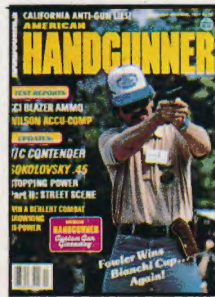
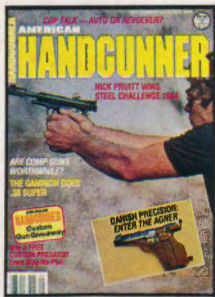
International standards of
craftsmanship and reliability.



TAURUS INTERNATIONAL
4563 S.W. 71st Avenue
Miami, FL 33155

MODEL 66

NO COMPETITION.



When it comes to match coverage, AMERICAN HANDGUNNER has no competition.

Other magazines may cover the matches but not one of them brings you the in-depth reporting on who wins, who loses and why, the way that AMERICAN HANDGUNNER does.

For the past ten years HANDGUNNER has given you the inside scoop on such major matches as: the IPSC Nationals, NRA Bianchi Cup, Steel Challenge, IHMSA Championships, Pin Busters, and PPC Police Revolver Championships.

HANDGUNNER doesn't stop short with its match coverage either. You get more than just names, times and scores. HANDGUNNER goes behind the scenes to tell you about the guns, ammo, and shooting techniques

used by the champions—information important in your development as a top competitor.

Match coverage is only a part of HANDGUNNER's 10 year success story. Every issue brings you up to date on the latest handgun designs, ammunition, and shooting techniques plus a whole lot more.

Once you decide to read AMERICAN HANDGUNNER regularly, you'll know why it's:

**America's First . . .
America's Only Handgun Magazine.**

**AMERICAN
HANDGUNNER**

Use the adjoining postage paid card or write to HANDGUNNER
P.O. Box 16439, San Diego, CA 92116 to start your subscription today!

HANDGUN HUNTING

J.D. JONES

CONDITIONING OF THE BORE PRIOR TO ACCURACY TESTING AFFECTS GROUPING

Bausch & Lomb have made superb quality rifle scopes for many years. I've used their scopes on rifles including one of Ron Freshour's lightweight rifles chambered for the .50 BMG cartridge. Handloads using 230 grains of powder and 750 grain bullets seemed to suit the 6 x 24 B&L just fine.

For years B&L's Don Robertson has listened to my urging to bring out a really high quality pistol scope. At the last SHOT Show, Len Knight (V.P.) and Randy Hoffman (President) assured me the project had their support.

I had previously torture-tested some of their experimental products and couldn't break them; with recoil—unlike a lot of scopes currently on the market. As of now the B&L pistol scope is a reality. They now have my gratitude.

Frankly, I don't have the specifications or prices at this time, but I sure like the way it looks and shoots. It's bright and sharp, has a good reticle and it's adjusted to be parallax-free at 110 yards.

Initially a 2 and 4 power version will be available. They will be identical in appearance. First production will be black in color with a textured surface finish. I think enough of this rig to have made it the standard scope on the new *Handgun Hunters International* limited edition Contender. (For more information write HHI, POB 357 MAG, Bloomingdale, OH, 43910 (614) 264-0176.)

Another new product that you may have noticed in last month's column is a new version of my 320 grain .44 bullet. This bullet retains the general shape of the original, but the lube groove is different and it has two crimp grooves. Crimping in the top groove positions the bullet to the correct length for short cylindered guns such as the S&W and Ruger Super Blackhawks. Crimping in the bottom groove positions the bullet out a bit for long cylindered guns like the Redhawk and Dan Wesson.

Two weights are available. The lightweights come out at about 285 grains cast of linotype and about 305 grains cast of wheel weights. The heavier versions cast about 310 grains in linotype and around 320-325 with the alloy I normally use. Bullet weights of all bullet moulds are approximate only and vary tremendously with different alloys.

The short length cylinders won't gain anything with the new 320. The lighter version will allow slightly greater case capacity and correspondingly greater powder charges and velocities. The long cylinder guns gain in accuracy by reducing the jump of the bullet from cylinder to rifling. Seating it out to the end of the cylinder increases case capacity

and allows more room for powder. The Redhawk 7.5" will get at least 100 fps more.

As far as I know, this is the first cast bullet to utilize two crimp grooves. (Jacketed bullets may be re-cannalured to allow longer overall cartridge lengths but may give problems by jumping crimp in recoil—it works OK if everything is right.)

During initial testing I used a Ron Power Redhawk and found a 305 grain version to give superior accuracy when driven to a little over 1500 fps with WW296 and lubed with GSB lube. Several lubes were tried and with this particular load the GSB was slightly ahead of Paco Kelly's lube in accuracy.

After bore conditioning by firing about 30 rounds of the load I wanted to test, I put 48 rounds into a 4.25" group at 100 yards. Shooting, of course, with a sandbag rest. The sight was an Aimpoint MK III. A B&L 4 x would probably have cut the group size a bit.



HHI limited edition Contender

The moulds are available through SSK. (Rt. 1, Bloomingdale, OH, 43910)

Some of you may be wondering about the "after bore conditioning" in the preceding paragraph. Frankly, not too many people want to talk about bore conditioning. Let's

open a can of worms. The best way to test a particular load is to completely clean the bore of the firearm—and that in itself is almost an art. Then fire enough rounds through the bore to condition—foul—the bore with enough rounds for the barrel to reach its maximum accuracy with that particular combination. Then fire for serious grouping ability.

In the case of the above load it usually takes about 20–30 rounds before maximum accuracy is reached. Then the barrel delivers its best accuracy for a lot of rounds. Fire a cylinder full with another lubricant, and the accuracy goes to 5–7 inches for six shots with the original load. Thirty shots later individual groups will be down to 3–4".

Obviously different barrels and loads react differently, but I usually get a chuckle out of lousy group sizes when the barrels aren't cleaned between loads, and conditioned. This doesn't just apply to cast bullets and pistols. Changing from one powder and bullet to another without cleaning will frequently result in a loss of accuracy until the bore is conditioned to the load being used.

For example, if you load a series of cartridges with 3031 you can usually shoot a reasonable amount of them without accuracy deterioration. If you shoot three loads of 3031, then three of 4064, then three of something else and on and on you probably haven't learned a thing about what the gun is really capable of doing with any of the loads tested. Obviously I'm speaking in generalities here.

Cleaning is another problem. I recently got a .375 JDJ back from a customer who complained of accuracy problems after a couple thousand rounds of excellence. The rifling looked very shallow for several inches ahead of the chamber. It was shiny but shallow.

Firing it and recovering the bullets revealed no real rifling marks on them. Fouling had built up ahead of the chamber enough to swage down the bullet enough that it was not being engraved by the rifling when passing through the bore. Some other bullets were soft enough to be squeezed down then expanded by base pressure to shoot around 2–3" groups at 200 meters in this same barrel. Just about the time you think you've seen it all, something else comes along.



HANDGUN SHOOTERS CATALOG



FAST-RELIABLE SERVICE at REASONABLE PRICES! Choose from our large selection of **QUALITY** competition handgun accessories and services.

Send \$2.50 for our latest illustrated color catalog, which will be credited toward your first order. Dealers send FFL for DEALER prices.

WILSON'S GUN SHOP, INC.
P.O. Box 578-1, Berryville, Ark. 72616-0578

PISTOLSMITHING

JOHN LAWSON

SPECIAL PURPOSE REVOLVER TOOLS CAN BE IMPROVED WITH SLIGHT ALTERATIONS

Specialized tools and fixtures increase a pistolsmith's efficiency. In our business, where time is money, having the proper tool at hand for a specific job often equates to the difference between hamburger or tenderloin for dinner.

You will never have enough tools. If this sometimes results in protestations from a dismayed spouse, who would rather invest in a new carpet than in an electrochemical logo etching machine, we can only reply: If one tool would do all of the work in the shop, there would be only one tool for sale in the catalog!

When I first went to work as a gunsmith's apprentice in 1946, the top echelon armorers and revolver specialists were usually retired or part time tool and die makers. This genre of gunsmith was undismayed by a lack of commercially available tooling for specialized wheelgun work; the bottom drawer of their elegant, handcrafted solid oak tool chests housed an ever increasing number of

makeshift reamers and clamping fixtures, lathe-turned range rods and stoning fixtures best described as geometric anomalies. I spent most of my lunch breaks inspecting, measuring and drawing these shop built tools in my ever-present spiral bound notebook, together with what I felt (at the time) were improvements on the original designs.

Problems that I encountered during a recent stint as Department Armorer for local Security Police found me leafing through my ancient notebook and rummaging in the bottom drawer of my not-so-elegant pressed steel machinist's tool box. The result was disgusting. I resolved to update and modernize my revolver working tools.

Since this was coincident with the arrival of Brownells latest catalog (Brownells, Inc., Rt. 2 Box 1, Dept. AH, Montezuma, IA 50171. \$3.50, postpaid), and I had budgeted \$500 for the project, the modernization took only a few days.

Brownells Armorer's Service Kit and the

correlated add-on kit was a good beginning, since most of the law enforcement revolvers that I service are of S&W make. Next, an extractor rod and yoke alignment fixture and a hand fixture/bench block filled out the capabilities of the basic kit of tools. And finally, a universal sear stoning fixture rounded out the new look for my bench and truck tailgate, which serves as a portable bench at competitions.

Some of the specialized tools that I already had on hand were a yoke facing reamer and two extractor rod tools that I had made years ago. These joined a quantity of sideplate shims and cylinder and yoke endshake bearings as useful additions to my portable Armorer's Service Kit.

I took down my cylinder deleading reamer and a .357 chambering reamer, a good pistol cleaning kit and patches, solvent and several kinds of oil and grease. My pocket knife joined the growing pile of necessary tools as did a tiny flashlight, snap caps, sets of muzzle chamfering reamers and forcing cone reamers, gauges and several special range rods and feeler gauges. The stack was growing.

Deleading cloths and polishing materials for stainless weapons and blued steel variations were, I felt, a necessity, so they were placed on the pile. A good micrometer and caliper, a steel rule, a set of small hole gauges and a tiny toolmaker's square joined the group. Then came the special stones, tiny set

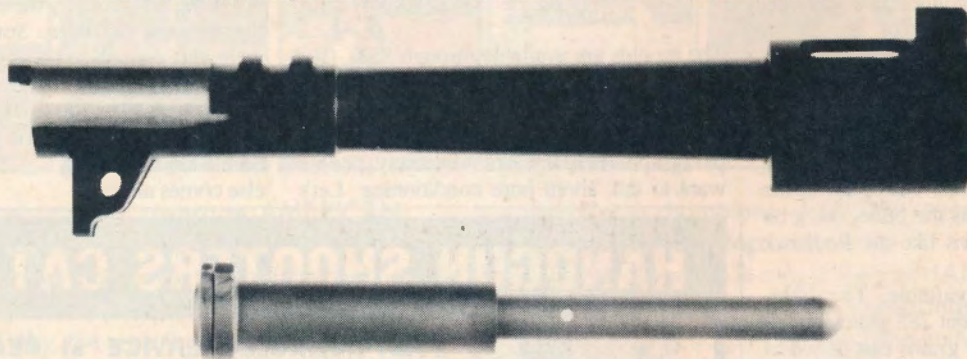
Continued on page 75

PROFESSIONAL SHOOTERS CHOOSE —

COMPENSATOR BARRELS

By

Jim Stroh, American Pistolsmiths Guild



- Solid, integral construction
- Machined from one-piece Douglas blank
- Front sight integral with compensator
- Areas of greatest stress are hardened
- Perfect bore-compensator alignment
- Muzzle lift is greatly reduced
- Individually fitted to slide and frame
- Three week shop time—Guaranteed*
- One-piece recoil spring guide and plug
- From \$295/blued and fitted

* For standard 5-inch barrel Colts

For free literature, send large, double-stamped, self-addressed envelope to:
ALPHA PRECISION, Route 1, Box 35-1, Good Hope, Georgia 30641 (404) 267-6163.



THE MINI-14

The Plinker, Hunter, Assault, and Everything Else Rifle by Duncan Long

The Mini-14. You have everyman's rifle—but do you know everything about it? The Mini-14 is the most versatile modern rifle—descended from the M1 Garand and M14, though with none of their faults—fitting the needs of homeowners, hunters, survivalists, law-enforcement agencies, and military forces. With sixteen models of the Mini-14 to choose from, the rifle owner may construct an infinite number of variations through accessory kits such as standard, laser and night scopes; magazines; folding and pistol-grip stocks; bullpup conversions; multi-caliber adaptors; flash suppressors; silencers; slings and much more. Here is the history of the Mini-14, descriptions of its Sturm, Ruger factory-produced variations, specifications, available accessories, and major suppliers. 5½ x 8½, softcover, 58 photos, 120 pp. **\$10.00**

TERRORISM Its Goals, Its Targets, Its Methods THE SOLUTIONS by Michael Connor

What makes the terrorist tick? In this first truly comprehensive effort to formulate answers to the terrorist threat, anti-terrorist consultant Michael Connor tells you how the terrorist picks his targets, where he gets the wherewithal (both financial and technological) to carry out his mission, and what precautions the individual can take to minimize the risk of becoming a target. Should all else fail and you are at a terrorist's mercy, Connor tells you what to do if you're on a hijacked aircraft or receive a mail bomb. 5½ x 8½, hardcover, 272 pp. **\$17.95**



SCREW UNTO OTHERS
Revenge Tactics for All Occasions
Watch out! The Master Trickster is back with over 140 mischievous tactics custom-designed for that special someone who has made your life miserable. This revenge manual shows how to use technology, manure, newspapers, and more to help you savor your vengeance and leave your victim with care... then give him hell! For entertainment purposes only! 5½ x 8½, hardcover, 240 pp. **\$14.95**

COMBAT AMMUNITION Everything You Need to Know by Duncan Long

Go beyond the dealer's shelves and make your own special types of ammo—ammo that can't be found anywhere else! **Combat Ammunition** explains how to create multiple projectile rounds, exploding bullets, safety slugs, armor-piercing bullets and tracers. Just as important, learn which bullet designs *do not* work in combat, what bullets are best suited for particular situations and weapons, and how to safely increase the effectiveness of any caliber of weapon through careful ammunition selection. 8½ x 11, hardcover, illus., photos, tables, charts, appendices, 136 pp. **\$19.95**



MODERN BALLISTIC ARMOR
Clothing, Bomb Blankets, Shields, Vehicle Protection... Everything You Need to Know
by Duncan Long
Though the "bullet-proof" vest is a mythical beast, modern ballistic armor is stronger and lighter than ever before since the advent of the Kevlar fiber. With a list of manufacturers and dealers, this book is all you need to put ballistic armor to work for you! 5½ x 8½, softcover, photos, illus., 96 pp. **\$8.00**



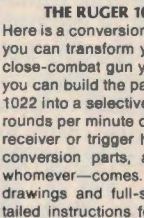
IMPROVISED EXPLOSIVES
How to Make Your Own
by Seymour Lecker
From a former top explosives expert with the Israeli Army comes a manual that presents ten simple yet powerful formulas for explosives and incendiaries that give the basis for making bombs, booby traps and mines. Learn to obtain or make the needed chemicals, or get substitutes. For information only! 5½ x 8½, softcover, illus., 80 pp. **\$8.00**



THE RESCUERS: THE WORLD'S TOP ANTI-TERRORIST UNITS
by Leroy Thompson
No one—and no country—is immune to terrorism anymore. And that's where hostage rescue units (HRUs) come in. The **FIRST** and **ONLY** book on HRUs, **The Rescuers** covers the training, ops, weapons and equipment of 50+ units. Five classic rescues bring to life a unit's anti-terrorist tactics. 5½ x 8½, hardcover, photos, glossary, index, 240 pp. **\$17.95**



MAKE 'EM PAY
Ultimate Revenge Techniques from the Master Trickster
Want to see your enemies grovel at your feet? The meanest man in the world and author of the infamous **Get Even** brings you more dirty tricks, schemes, scams and stunts. Getting back at a landlord, politician, salesman, utility, restaurant, or supermarket is a cinch with over 130 creatively nasty techniques. For entertainment purposes only! 5½ x 8½, hardcover, 224 pp. **\$14.95**



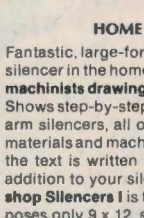
THE RUGER 1022 EXOTIC WEAPONS SYSTEM
Here is a conversion system you can bet your life on! Now you can transform your Ruger 1022 into a selective-fire, close-combat gun you can trust. With simple hand tools, you can build the parts that will convert your trusty Ruger 1022 into a selective-fire weapon that can fire over 1,000 rounds per minute on full auto—all without modifying the receiver or trigger housing in any way. Just drop in the conversion parts, and you're ready for whatever—or whomever—comes. Over 60 explicit photos, machinist's drawings and full-scale templates accompany the detailed instructions for making this conversion foolproof. 9 x 12, softcover, illus., 96 pp. **\$15.00**



NEW I.D. IN AMERICA
Want one more chance at life—with a "clean slate"? Trade in your old identity for a new start. Here is a step-by-step guide to creating a totally new you—with a birth certificate, passport, driver's license, Social Security number—all you need for breaking with your past. 5½ x 8½, softcover, illus., 120 pp. **\$12.00**



AUTOMATICS: FAST FIREPOWER, TACTICAL SUPERIORITY
by Duncan Long
Combat pistols. Hideaways. Target pistols. They're all covered here. Find out how to pick the best pistol for you. Included are the pluses and minuses of dozens of pistols, recommendations for the best ammo for various calibers, specifications, field-stripping procedures and accessories info. 8½ x 11, softcover, 168 pp., photos. **\$14.95**



HOME WORKSHOP SILENCERS I
Fantastic, large-format guide to making an smg or pistol silencer in the home workshop. Over 50 9" x 12" working machinist drawings are presented, all of superb quality. Shows step-by-step construction for three different firearm silencers, all of very advanced design. Improved materials and machining techniques are suggested, and the text is written clearly and concisely. An excellent addition to your silencer bookshelf! Note: **Home Workshop Silencers I** is for entertainment and historical purposes only! 9 x 12, softcover, illus., 72 pp. **\$12.00**



GET EVEN:
The Complete Book of Dirty Tricks
A hilarious overview of the methods people use to get even with big business, government and enemies. More sophisticated and involved tricks are included, such as ones devised by CIA and Mafia members and political dirty tricksters. Over 80 sections present dirty tricks ranging from the simple to the elaborate. For entertainment only! 5½ x 8½, hardcover, 192 pp. **\$14.95**

OTHER FASCINATING TITLES

VANISH! DISAPPEARANCE THROUGH ID ACQUISITION	\$15.00	GUNRUNNING FOR FUN AND PROFIT	\$15.00
BROWNING HI-POWER EXOTIC WEAPONS SYSTEM	\$15.00	NINJA 1990	\$45.00
COMPLETE BOOK OF COMBAT HANDGUNNING	\$14.95	MAKING SPIES: A TALENT SPOTTER'S HANDBOOK	\$16.95
SECRETS OF THE NINJA	\$16.95	AR-15/M16: A PRACTICAL GUIDE	\$16.95
NIGHT FIGHTER'S HANDBOOK	\$10.00	DEAD CLIENTS DON'T PAY	\$10.00
SECRET FREEDOM FIGHTER	\$ 8.95	BULL'S-EYE: CROSSBOWS BY RAGNAR BENSON	\$ 8.00
BEAT THE ODDS: TIPS FOR DAY-TO-DAY SURVIVAL	\$10.00	THE COMBAT SHOTGUN AND SUBMACHINE GUN	\$14.95
SPECIAL FORCES OPERATIONAL TECHNIQUES	\$14.95	COMBAT TRACKER AND TRACKER	
GUN GRABBERS	\$14.95	DOG TRAINING AND EMPLOYMENT	\$10.00

MONEY-BACK GUARANTEE — DEALER INQUIRIES INVITED
PALADIN PRESS • P.O. BOX 1307 • BOULDER, CO 80306 • (303) 443-7250



PALADIN PRESS
P.O. BOX 1307-MPC
BOULDER, CO 80306
Phone (303) 443-7250



Call TOLL FREE for credit card orders:
1-800-351-1700; 24 hours a day, 7 days a week. Call from anywhere in the U.S.A. Send \$1.00 for 50 page CATALOG of over 300 titles. Catalog free with order.

Please send me the following titles:

Payment: ☐ Check or Money Order, ☐ VISA, ☐ MasterCard.

Card No. _____ Exp. _____ SUBTOTAL _____

NAME _____ Please include \$3.00 postage and handling

ADDRESS _____ CITY _____ STATE _____ ZIP _____ TOTAL _____

SILUETAS

JERRY RAKUSAN

SILHOUETTE SHOOTERS CONCOCT MANY INGENIOUS SOLUTIONS TO TROUBLES

Silhouette is not a monolithic entity. Like a city, it is a structure comprised of many wards (regions), families (clubs) and individuals (members). In IHMSA, as in a city, you don't get much of a feeling of the tone just by reading the mayor's annual report. Or Elgin Gates' message from the president.

In reading over the latest issue of the *Silhouette*, I skipped over Gates' words, passed by the minutes of the annual meeting, and ignored the many scores published.

I did, however, spend a good deal of time reading the comments on the local matches sent in by match directors and secretaries. And it was here that I really got an idea of what handgun silhouette shooting is all about.

I learned of some of the problems the directors had at the matches, and some of their ingenious solutions.

One problem at the Clairston Sportsman's Club was the light background, which made identification of the white targets difficult. The solution was to darken the background with broken clay birds from the trap field. A problem, not yet resolved at the Rosedale club, was in the .22 events, where ejected cases from auto pistols were, and are, interfering with the shooters in the next stations.


In reading the results of matches in August, I learned that attendance was down at many shoots because of the extremely hot weather, especially in the southeast. I can't imagine what it would be like sighting at those rams when the temperature was hovering at 106°. I also felt for the youngsters who

were setting up targets, who had to wear gloves because the targets got so hot. And I sympathized with the match directors at the Kenai, Alaska club who had only three shooters show up for their August match, and yet reported that they had a great time.

I liked the humor of Steve Torix who reported on the first handgun match at the Malta, Idaho range; "It took a brave bunch to brave the heavy rains and my wife's cooking all in one day, but we did survive."

I hope all of the match directors read all of the reports in the *Silhouette*, and not just their own; there's a lot to learn in that small type. Such as—don't schedule a match in Utah on the opening day of bowhunting season; don't schedule a match in the Midwest at grain harvest time; and, as Mark Jurras of the Simsbury, Conn., club says, "Target setting time was cut to 1½ minutes, 2 minutes with paint, with the help of a four-wheeler. The target setters' pay may have to be cut, they seemed to be having a little too much fun."

In spite of the above, not all of the IHMSA news was in the small print of the match reports. There is now a video tape available of the 1986 Internationals. Two versions are offered, a one hour at \$38.95 and a two hour at \$48.95, with a \$5.00 shipping charge for each. Order from Chuck Nease, Rte. 10, Box 125, Salt Rock, WV 25559.

The really big news is that the delegates of IHMSA have voted to adopt a short range big bore course, 25 to 100 yards, open or scope sights, and standing only. I'll keep  you posted.

SILHOUETTE DATA BOOK

By Tim Johnson



Any competitive rifleman will tell you of the importance of: temperature, light, wind, mirage and background—but how many erstwhile handgunners consider those factors? The metallic silhouette shooter who would like to score that "perfect 40" in this lifetime had better consider them!

Since you cannot control any of the aforementioned variables, what good is the knowledge of them? Record keeping (Oh No!!).

Oh yes. Comprehensive record keeping can change your hit ratio by at least 25 to 30% moving you from "by guess and by golly" conjecture to an educated assumption. Loose-leaf binders pose a problem—loose leaves. High tech or not, you'd look a little silly and be more than a little uncomfortable hauling around your Apple II personal computer in an Alice Pack. So, what's the alternative?


The handy-dandy Silhouette Data Book available from Triangle Reloading Bench, 18904 Fuller Heights Road, Dept. AH, Triangle, VA, 22172, for the munificent sum of \$4.50 plus postage. Each page, (white for chickens, yellow for pigs, green for turkeys, and azure for rams), double side printed, is broken down into the following segments: distance (50M, 100M . . . etc.), category (class—unlimited, freestyle, standing, whatever), zero (elevation and windage), corrections (elevation and windage), date, gun, caliber, place, hour, temperature, target color (aw c'mon!), background, light and mirage. There are also three small segments: one for sight picture, and two small clocks for wind and light direction.

The largest section mimics the IHMSA scorecard with two target images having a superimposed crosshair and circle that provides a handy reference point for your spotter. It also has in this area a section for windage and elevation corrections made during firing. Although why the windage corrections would be designated WG is beyond me?

Last but not least, my favorite section, the receptacle for numerous and varied four-letter words—the remarks section.

All of this information (whew!) is easily kept in a 6" x 8" notebook printed on heavy paper giving one page for loading data, another showing the various target dimensions and two pages of directions as to the use of the (many) aforementioned sections.

My personal favorite statement from the directions is No. 28, "Record during firing the direction of the shot fired." The symbol would indicate a 2 o'clock shot. MAY OR MAY NOT HIT TARGET DEPENDING ON HOW BAD . . . cute!

Do yourself a favor and buy this silhouette shooter's diary. That may be all that's lacking from your first 40. 

OFFICIALLY APPROVED FOR I.H.M.S.A. COMPETITION.

CHIMERE™

Model 454

SHOOTER'S GLOVE



If you shoot handgun for silhouette, hunting or just for fun, this Cabretta leather glove was made especially for you! There's "just enough" padding for comfort. The glove's scientific design provides real protection against direct and transferred recoil, dramatically reducing the risk of ulnar or planar nerve stress. Try them once and bring up your scores or bring down game like never before! Your satisfaction is unconditionally guaranteed.

GUARANTEE: If you are not fully satisfied with the Model 454 Shooter's Glove, simply return within 10 days for a complete refund. MasterCharge-Visa accepted (813) 643-4222

Avail. in Rt. Hand, Lft. Hand or Pair. Please specify Hand and Hand Size (SM, MD, LG, XL or XX). Include check or money order for \$12 (1 Glove) or \$20 (Pair), payable to:

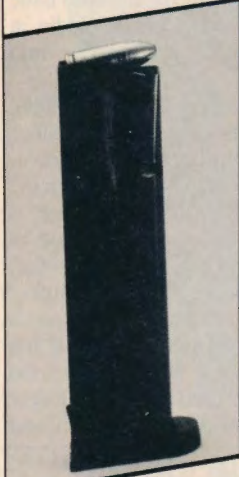
CHIMERE, INC. 4406 Exchange Ave., MetroPark #119 Naples, FL 33942
(Dealer/Rep Inquiries Invited)

9mm MAGS

Made in the U.S.A.

**FOR INCREASED
FIREPOWER**

NEW!



- Constant force spring holds 2 extra rounds.
- Made of alloy steel.
- Blued

Item MAP 9015
15 rounds for:
Browning
High-power,
Beretta
Compacts,
Kassnar PJK-9HP

Item MAS 9017
16 rounds for:
Beretta 92S,
92SB, 92F, 92FB,
Taurus PT92AF-99AF, PT92-99,
or SIG Sauer P226

\$19.95

Item MAW 9117
16 rounds for:

Smith & Wesson 459, 559, 659
or Marlin Camp Rifle



RAM-LINE[®] INC.

Suite 12N37, 15611 West 6th Ave., Golden, CO 80401
For order/referral information call: 303/279-0886.
Law enforcement inquiries invited.

METALLOY GOES NORTH

Metalloy Industries, the standard of excellence in hard chrome plating of fire-arms, announces the introduction of Metalloy in Canada.

Metalloy Canada is located at 12-318-105th Street, Dept. AH, Saskatoon, Sask., S7N 1Z3 and performs the services offered by the home office in Arkansas.

In conjunction with the opening of Metalloy Canada comes the announcement from president Jim Kelley that he has acquired full control and ownership of Metalloy.

Americans can contact Metalloy at (501) 545-3611 or write Metalloy, Dept. AH, Rt. 3, Box 211-D, Berryville, AR, 72616.

3 inch .410 & or .45 Colt



STAINLESS STEEL

For Free Literature
Send Stamped Envelope.

AMERICAN DERRINGER CORP
P.O. Box 8983 Dept. HG-4
Waco, Texas 76714

COMPETITION SHOTGUNS

The *ultimate* in dependable firepower!

Tanks Rifle Shop
offers U.S.P.S.A.
and I.P.S.C.
competition proven
conversions of:

- **REMINGTON 1100**
- **REMINGTON 870**
- **BROWNING AUTO 5**
- **HK BENELLI**

* For more information, send \$2 for our complete illustrated price list.

Competition-proven, match grade modifications for MIA/M-14 rifles also available. All work performed by Jon Tank, USAMU and Rock Island Armory trained specialist.



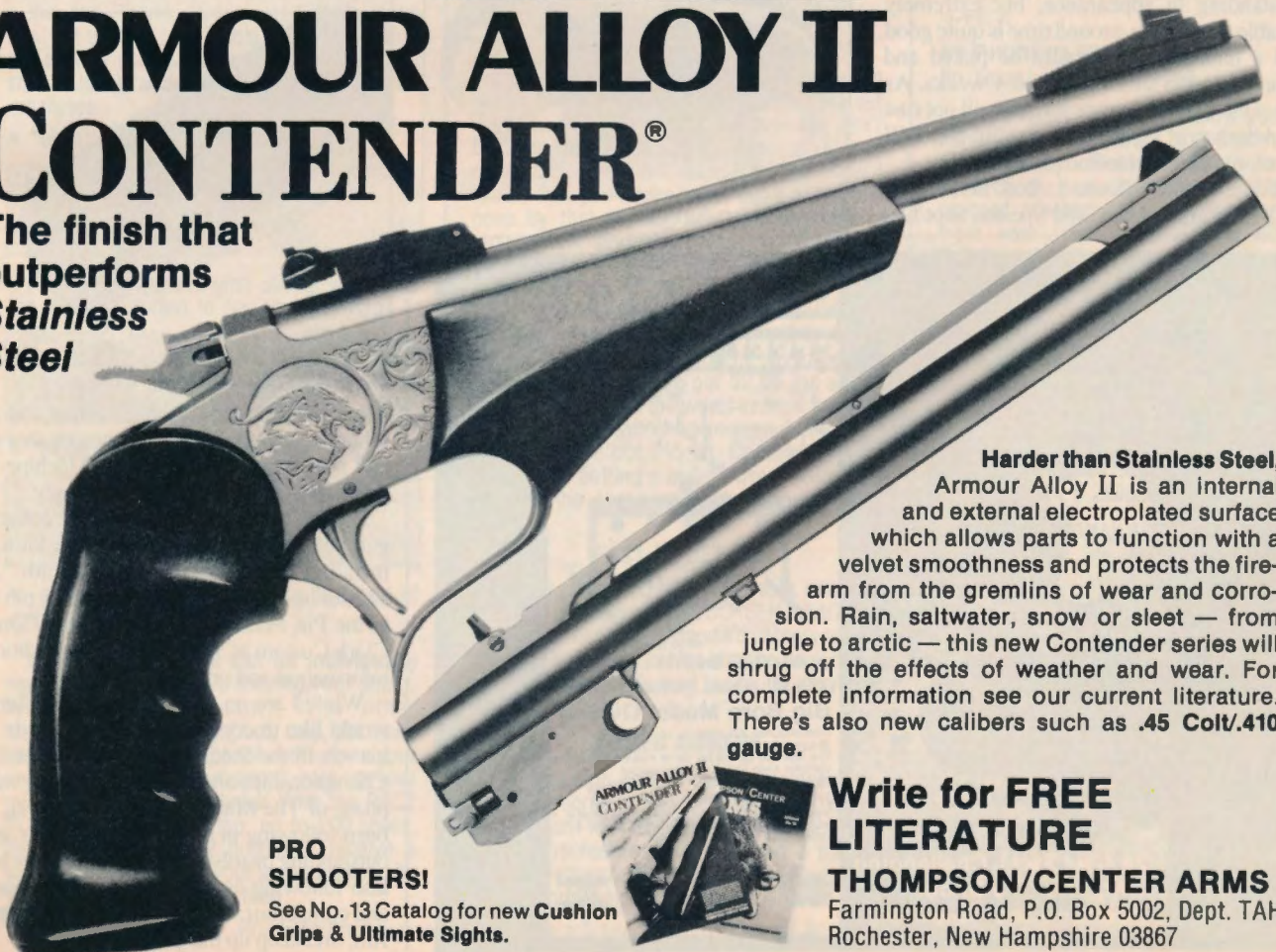
**TANKS
RIFLE SHOP**

P.O. Box 937
Fremont, NE 68025
Ph: (402) 721-4277

M-F 10:00 AM - 4:00 PM CT

ARMOUR ALLOY II CONTENDER[®]

The finish that
outperforms
**Stainless
Steel**



**PRO
SHOOTERS!**

See No. 13 Catalog for new **Cushion
Grips & Ultimate Sights.**



Harder than Stainless Steel,
Armour Alloy II is an internal and external electroplated surface which allows parts to function with a velvet smoothness and protects the firearm from the gremlins of wear and corrosion. Rain, saltwater, snow or sleet — from jungle to arctic — this new Contender series will shrug off the effects of weather and wear. For complete information see our current literature. There's also new calibers such as .45 Colt/.410 gauge.

**Write for FREE
LITERATURE**

THOMPSON/CENTER ARMS

Farmington Road, P.O. Box 5002, Dept. TAH 3
Rochester, New Hampshire 03867

THE GUILD SPEAKS

GEORGE WESSINGER

FORMER GUILD PRESIDENT JIM CLARK OFFERS NEW PIN MASTER COMPENSATOR

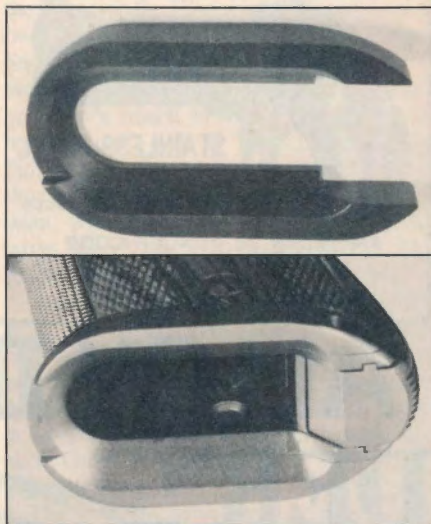
The Guild is happy to announce the winner of the annual Custom Handgun raffle, Steve Polinger of Guards Pass, OR. The winning ticket was sold by Guild member George Long, also of Grants Pass.

The handgun is a Ruger Redhawk in .44 Magnum donated by J.D. Jones, with a custom shrouded barrel by Lou Ciamillo. Bill Wilson did a superb custom action job and installed his scope mount with a Mark V sight furnished by Ron Power. A beautiful matte hard chrome finish by Jim Kelley of Metaloy completes this fine and useful custom hunting revolver. I'm sure the winner will enjoy using it as much as the Guild members involved did building it. Congratulations Steve, and good hunting.

Speaking of Jim Kelley, congratulations are in order to him and wife Darlene. They are now the owner/operators of Metaloy Industries, Inc. of Berryville, AR. They have been running this business for quite some time and have now bought the entire operation. The Metaloy finish they offer is not only outstanding in appearance, but extremely durable. Their turn-around time is quite good and a handgun can usually be plated and returned to the shooter in 3 to 4 weeks. As Jim says, "It is not rust proof, but will not rust if taken care of." Contact Jim at 501-545-3611 for more information and prices.

Eddie Brown, Route 1, Box 153, Perry, MO, 63462 (see The Guild Speaks, Sept/Oct

1985) has introduced an excellent new product for the Government Model pistol. It is called the Maxi-Well and is a professionally installed mag funnel unlike any other presently on the market. It is installed by cutting away the lower quarter-inch of the frame and silver soldering in place. A portion of the rear of the frame is left intact to insure strength and rigidity. Any gunsmith that can install a Bo-Mar rear sight by milling, and a front sight by silver soldering can install the Maxi-Well. Only slight hand work is then required.

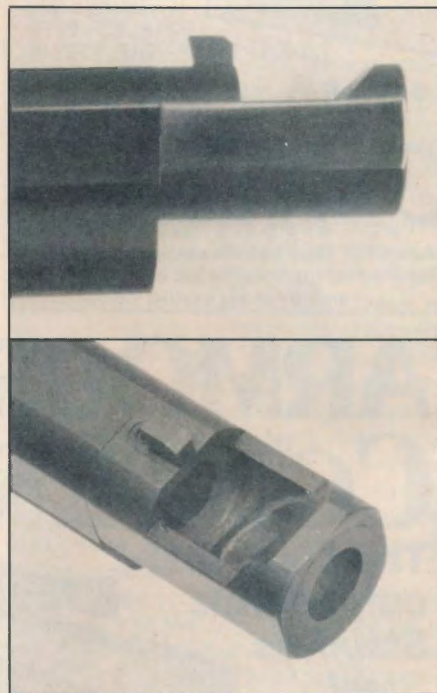


Brown mag funnel

Eddie advises that this product is not intended to replace or compete with the hobbyist add-on plastic or steel parts. This product is intended for the professional to produce a professional job on the highest level competition guns produced.

The part is a high quality investment casting and will be available by the time this issue goes on the newsstand. Contact Eddie at 314-565-3261 for more information and prices.

Jim Clark, Rt. 2, Box 22A, Keithville, LA, 71047 has introduced a compensator called the Pin Master that is available completely installed and finished or as a kit for the professional gunsmith. The Pin Master is made from one of Jim's bowling pin sleeves with the compensator, or deflection chamber, forward of the front sight. The chamber deflects the gas forward and up which results in a great reduction of muzzle rise and felt recoil. The Pin Master is a result of the muzzle brake Jim has used on his fine Ruger .22's since 1956. It works well on the .22 and



Clark Pin Master

works equally well on the .38 Super and .45. It has been hand tested by numerous shooters and most agree it is excellent. Machine rest tests prove it does not affect accuracy.

The Pin Master is available as a complete gun built by Clark Custom or as a kit to be installed by a competent gunsmith. Jim advises he can also convert a bowling pin gun to the Pin Master at quite a saving. Contact Clark Custom at 318-925-0836 for additional information and prices.

While I am on the subject of Jim Clark, I would like to congratulate Jim Clark Jr. for his win in the Soldier of Fortune Three Gun Championships and his win in the long range phase of The Masters. For years Jim Jr. has been following in his father's footsteps as an outstanding pistolsmith. It is great to see he is also following as an excellent pistol shooter and competitor. Congratulations Jim, and keep up the good work.



Qwikset Steel. Challenging And Fun To Shoot!
Kenn Tuttle, K.C. Gunsmithing

QWIKSET[®]

STEEL TARGETS

ALL RESET FIRE AWAY!
Model Q-22
PATENTED \$69.95
\$6.00 Shipping

.22 RIM FIRE, SHORTS-LONG RIFLE
15" x 25", 17 lbs, TARGET SIZE 1 3/4"

Big Bore Model Q-3845
DIMENSIONS: 47" Wide by 50" Tall
Shipping and storage size is: 47" x 4" x 10"
The legs fold up and lay flat to make the unit very compact when stored or being carried.
Target weight is 70 lbs.
TARGET PLATES: 4" x 1/4" T-I Steel
The energy range that can be used on this target is from 270 ft. lbs. to 600 ft. lbs. = 38 special & others 9MM, 45 ACP, 44 special
\$275.00 plus \$18.00 Shipping.

Motsey's Enterprises
Department A
15600 Morro Rd.
Atascadero, CA 93422
1-805-466-6457

CHRONOGRAPH BREAKTHROUGH

\$199

[skyscreens included]



INTRODUCING THE PACT PC

"Out performs the expensive chronographs at a fraction of the cost"
... Ross Seyfried

Until now shooters looking for a dedicated chronograph have been torn between two choices. To go with a full feature skyscreen based system at a premium price. Or purchase a low end "break screen" or "down range box" at a more reasonable price but lacking the ease of use and superior performance of the microprocessor based skyscreen machines.

- each time you fire

```
#05 3456.2 FPS
AV: 3447.1 FPS
```

After you complete your string, you press the REVIEW button to see the following:

```
HI#02 3461.7 FPS
LO#04 3440.1 FPS
```

- highest and lowest velocities

```
ES: 21.6 FPS
MAD: 8.2 FPS
```

- extreme spread and average deviation of your rounds

In addition **all shots can be individually reviewed** after you have finished your string. Why is that important? With other chronographs you must shoot, stop, put down your gun, pick up your pencil, write down your velocity, put down your pencil, pick up your gun and repeat. That stinks! With the PACT PC, fire your whole string, up to 200 shots, then use the REVIEW button to receive a statistical summary of your string followed by the display of each shot fired.

```
#01 3452.4 FPS
```

- each shot can be individually reviewed

While the PACT Precision Chronograph contains **all the features** normally found on expensive chronographs, it also has **many features not found** on the high priced units:

- Retractable tilt stand for easy viewing.
- Self contained rechargeable Gel Cell battery with external charger.

WHY SKYSCREENS?

The PACT uses inexpensive skyscreens to detect the bullet velocity. Why didn't we set it up so that you can shoot over the box? Because we think it's stupid to launch bullets over things that cost lots of money. Now I realize that **you never miss**, but a day rarely goes by that we don't get an order for a replacement skyscreen body.

LOW REPLACEMENT COSTS

Usually, when you shoot a skyscreen, you only break its plastic body without breaking the "eye" at the bottom of the skyscreen. In this case you are only out **\$2.50** for a new skyscreen body. In the worst case, if you had to replace the whole skyscreen body, you would only be out **\$15.00**. **Compare** this to the cost of putting a bullet through the front of even the cheapest of the "down range boxes".

EASY TO SET UP

Simply mount your screens to a two foot board or our optional SKYSCREEN BRACKET, which attaches to any standard camera tripod, plug the skyscreen cables into the back of the PC which **sits safely next to you** for easy control and viewing.

OEHLER OWNERS

Beat the high cost of screen replacement. PACT skyscreens can be used as a direct replacement for OEHLER Skyscreen II's. The PACT skyscreen bracket will hold a pair of PACT skyscreens, Skyscreen II's or Skyscreen III's at a convenient two foot separation.

30 DAY MONEY BACK GUARANTEE

If you are not 100% satisfied with the performance of any PACT product, send it back undamaged [no fair driving over it] and we will refund your money. That's our promise and you can depend on it.

DO IT TODAY

Ordering a PACT Precision Chronograph is easy!

BY PHONE: 1-800-722-8462

[In Texas]: 1-214-641-0049

BY MAIL: We'll need to know your name, shipping address and daytime phone number. Please enclose a personal check, bank check, money order or card number and expiration date from your VISA or MASTERCARD. C.O.D. orders welcome!

PACT PRECISION CHRONOGRAPH- \$199.00

PACT SKYSCREEN BRACKET [Optional but nice] - \$24.00

PACT SKY SCREENS \$15. EACH \$25./PAIR

Shipping & Insurance - \$5 UPS GROUND, \$10 UPS AIR. 4% charge for VISA or MASTERCARD. Texas residents add 5.25% sales tax.

BROCHURE AVAILABLE covering the PACT product line. \$1.00 refundable with first purchase.

One year limited warranty



P.O. Box 531525
Grand Prairie, TX 75053
[214] 641-0049
1-800-PACT INC

PACT, Precision Chronograph, PACT PC are Trademarks of Practical Applied Computer Technology, Inc.

HANDLOADING

DAN COTTERMAN

EFFECTS OF TEMPERATURE ON RELOADS AND CHALLENGE TO BEAT HERCO IN 9mm

Shooting in cold weather results in lower bullet speeds. I've even read that the reduction will, in extreme cases, be sufficient to cause a significant drop in point of impact at extended ranges, especially with handgun rounds. Following a series of informal tests conducted here, I'm not sure there's enough difference to worry about. Here's how it went.

The .32 S&W Long rounds and the .22 Rimfires were factory-loaded, the rest were handloads using powders common to the reloading of each particular cartridge. Loads varied considerably as to charge intensity, bullet weight, primer, and so on, as did barrel lengths. About the only thing that was consistent was velocity loss, which amounted to 20 to 25 fps when ammo temperature was

reduced from 90° to 45° and 10 to 15 fps from 45° to 0°. Chambers were allowed to cool following each shot, and all velocities represent five-shot averages.

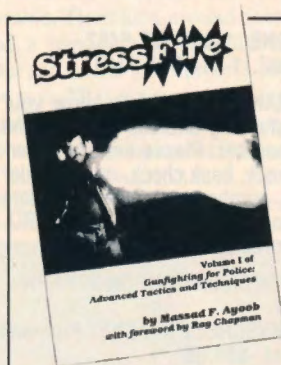
The foregoing resulted, as I said, from informal testing—a day of rushing in and out of the house, from freezer to shooting bench and chronograph. Test samples of ammo were protected in plastic bags, and I was obliged to use implements and methods that may have given temperature readings that were a few degrees more or less than accurate; but the indication, I believe, is that velocity drop due to cold weather is generally insignificant.

None of the powders used in my tests was W-W 452AA. I'm onto it now, though, because I've received a report that said fodder is actually giving *lower* bullet speeds when the temperature goes up! IPSC shooters, I'm told, are increasing charge weights in .45 ACP loads to compensate for the loss. It's that or store ammo in plastic bags and immerse them in ice on hot summer days. Mike Jordan, components manager for W-W, has assured me that laboratory tests will be carried out and that I'll be informed of what they learn about this apparent phenomenon.

There is, however, a good chance that what's happening is more commonplace than it is phenomenal. It is highly likely that increased temperatures are causing wax to melt and contaminate the powder charge, which would explain the lower velocities.

Continued on page 77

Cartridge and bbl length	Vel. @ 90°F.	Vel. @ 45°F.	Vel. @ 0°F.
.22 RF, 6"	1200 fps	1180 fps	1170 fps
.32 S&W Long, 4"	655 fps	635 fps	625 fps
.22 Hornet, 10"	2205 fps	2195 fps	2185 fps
9mm Para., 4"	1155 fps	1130 fps	1115 fps
.38 Special, 6"	930 fps	910 fps	900 fps
.38 Super, 5"	1310 fps	1285 fps	1270 fps
.44 Special, 6"	940 fps	920 fps	910 fps
.44 Magnum, 10"	1480 fps	1465 fps	1450 fps
.45 ACP, 5"	810 fps	790 fps	780 fps
.45 LC, 10"	1510 fps	1490 fps	1475 fps



"STRESSFIRE"

At last! The first volume of Massad Ayoob's long awaited series on "Gunfighting for Police: Advanced Tactics and Techniques."

"STRESSFIRE" is the result of Ayoob's years of research about what **actually happens** in gunfights.

Learn how stress and adrenalin affect the mind and body, ruining conventional shooting techniques under pressure . . . and how new techniques actually feed off that pressure to make you perform better under stress!

\$9.95

"THE STREET SMART GUN BOOK"

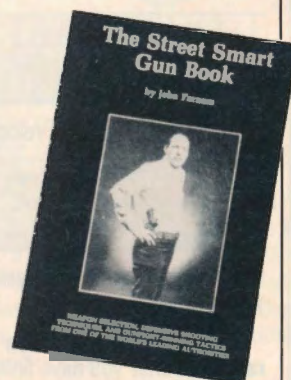
At last, master gunfighting tactician John Farnam gives his formula for shooting survival. One of the top national instructors, John covers gun and holster selections and gives intensive advice on use of cover, movement, mental awareness and preparation, and the **TACTICS** for winning a gun duel.

\$11.95

Plus \$2.00 postage and handling

MC/VISA IS ACCEPTED

POLICE BOOKSHELF P.O. Box 122, Concord, N.H. 03301

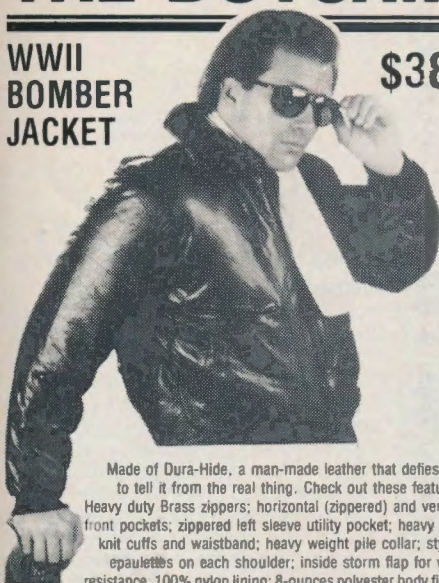


STRESSFIRE \$9.95 _____
 THE STREET SMART GUN BOOK \$11.95 _____
 Shipping and handling \$2.00 _____
 TOTAL ENCLOSED _____

Name _____
 Street _____
 City _____
 State _____ Zip _____

1-800-821-5157

\$38



Made of Dura-Hide, a man-made leather that defies you to tell it from the real thing. Check out these features: Heavy duty Brass zippers; horizontal (zippered) and vertical front pockets; zippered left sleeve utility pocket; heavy duty knit cuffs and waistband; heavy weight pile collar; stylish epaulettes on each shoulder; inside storm flap for wind resistance. 100% nylon lining; 8-ounces polyester body fill for warmth that doesn't weigh you down.

Just \$38.00 plus \$2.50 shipping. Specify XS (30-32) S (34-36) M (38-40) L (42-44) XL (46) and XXL (48-50) and be sure to tell us BLACK or BROWN.

That's right. Here's a watch that can stand up to your rough treatment and begs for more. The X-Shock is specially made for men on the GO - construction workers, police, military, flyers, hunters & sportsmen. This handsome watch is finished with flat black case and band. It's lightweight (under 5-oz.) and trim, yet heavy-duty. Secret to its tough performance are EIGHT miniature shock absorbers that protect X-Shock's hi-tech electronic workings. These shock absorbers are surrounded by a rugged stainless steel case which in turn is covered by a urethane resin casing. **THREE LEVELS OF PROTECTION** to take the most destructive abuse! Bang it...drop it...stomp it...freeze it...X-Shock is water and shock resistant to 1,650-feet. Any torture you could subject X-Shock to would probably kill you first!

X-Shock's exclusive tough construction is reason enough to buy at \$46.00 postpaid. But check out this long list of features: Super QUARTZ DIGITAL accuracy; 12/24 hour (military/European) time; light for viewing in the dark; displays hour, minutes, seconds, AM/PM, month, date, day of week; auto-calendar; daily alarm and hourly chime; 12 hour stopwatch accurate to 1/100th second; records split/lap, time-outs, 1st & 2nd place; 7 year Lithium battery included.

Purchase one X-Shock for \$46.00 postpaid. **SAVE** by ordering two for \$87.00, and **SAVE** more by ordering three for \$125.00 and we'll throw in three compasses absolutely **FREE!**

Liquid-filled, slide on compass fits on band.
\$4.00 each postpaid.



DISTANT SOUND DETECTOR ALLOWS HANDS FREE USE

Entire ActionEar DISTANT SOUND DETECTOR built into these comfortable earphones. True stereo thanks to TWO microphones. Built-in tape jack. Sound shut-off. High-quality earphones. Like protective shooters earmuffs but so much more. Ideal for low profile situations and when hands-free operation is an absolute. \$118.50 postpaid.

Mono \$165 **WOLFS EARS** Stereo \$255

Specifically designed for SWAT teams sweeping buildings, these Active Hearing Protectors come in two models — Mono and Stereo. Turn them "off" and you've got superior shooters earmuffs. Turn them "on," and their top quality compression mikes sense and attenuate continuous OR impulse sounds that exceeds 85db's. When sound levels are below 85db's, WOLFS EARS act as SOUND AMPLIFIERS providing up to 20db gain. Comfort plus, with foam-filled ear seals, foam headpad, and adjustable, custom-fit headband. Battery — top of the line hearing aid type 675 (included) — and mike are built into the earphones/muffs. Total weight just 18-oz. On the range or in the field — WOLFS EARS. Mono #1020, \$165.00 postpaid, Stereo (binaural) for pinpointing sources of sound #1030 \$255.00 postpaid.

DISTANT SOUND DETECTOR MULTIPLIES SOUND 5000 TIMES The VanSleek FARFOON®

Receptivity plus convenient size. The VanSleek Farfoon combines the parabolic dish Sound Mirror of the Double Farfoon with the handy size of the smaller Hunters Ear. The result is a superior directional receptor without the widespread large dish receptors which in many applications are cumbersome to use and transport. The VanSleek Farfoon uses the same type retrograde sound as the Double Farfoon. Take VanSleek into tight places. Enjoy the mirrored sound gathering not possible with direct receiver products.

The VanSleek FARFOON is the most sophisticated yet developed of the sound devices.

NEW! "SOUND CUT-OUT" CIRCUIT



\$148
postpaid

THE VanSleek
FARFOON

Hears A Whisper

Farther than TWO Football Fields

STUN GUN

**NOVA XR5000**

\$63 POSTPAID

50,000 VOLTS!

The Nova XR5000 Stun Gun
can protect you from attackers.

STUN GUN will instantly "scramble" attacker's nervous system causing immediate (temporary) paralysis! By simply touching your attacker anywhere, he will drop helpless even through many layers of clothing. **STUN GUN** is not lethal and is safe to use. Cannot transmit shock back to you. Requires a 9 volt nicad battery and charger \$16.00. The Nova is sold with a leather holster for \$63.00 postpaid. This is the authentic American made product. Beware of cheap imports now on the market. Put 50,000 volts in the palm of your hand. order today.

Not intended for sale where prohibited by law

The Dutchman

Dept. AH3

9071 Metcalf Suite 158

Overland Park, KS 66212

MC/VISA COD Customers

CALL TOLL FREE 1-800-821-5157

Qty.	Item	Price
------	------	-------

City: _____		State: _____		Zip: _____	
TOTAL					

NAME _____

ADDRESS

CITY

STATE

ZIP

Copyright © 1988



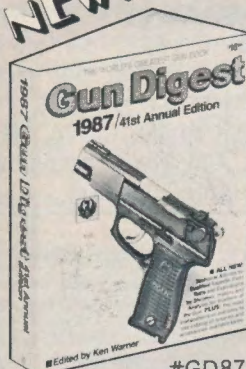
HOLIDAY SPECIAL

Buy One **DBI** Book, Get One Free!



WE'LL PAY THE POSTAGE. YOU CAN CHARGE IT, TOO! (SEE COUPON)

NEW!



#GD87

\$ 16⁹⁵

1987 GUN DIGEST 41st Edition

Edited by Ken Warner

After digging up this nation's first gun law, Stephen Halbrook finds that even then gun control was people control. Konrad F. Schreier, Jr. describes the little known role of the 50-caliber sniper. Ed Matunas untangles the myths about the much maligned .177-inch pellet used in shotguns. British collector/writer Wilfrid Ward analyzes the pistol dueller, how and why he chose the guns he did for those confrontations. Plus much more good reading, a roundup of the past year's new products, testfire reports and the popular Gundex®. Updated catalog section with the latest prices and information on all U.S. and imported firearms available on the market today. 496 8½"x11" pages.

NEW!



#G187

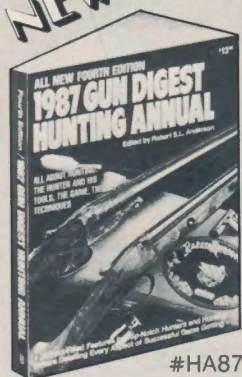
\$ 14⁹⁵

1987 GUNS ILLUSTRATED 19th Edition

Edited by Harold A. Murtz

Steyr's AUG "plastic gun" may be strange looking, but it's a highly efficient and reliable assault-type rifle. Hunting Australia, one of the few places on earth that hasn't been extensively hunted. Thompson/Center's Contender pistol — probably the most versatile handgun ever created. Not the ideal rifle for battle, the French 1936 MAS rifle worked, but just barely. The 32-20 Colt SAA turned out to be a nemesis for the author who swore he'd never buy another. Lots of test reports, including one on Marlin's Model 9 Camp gun. Much more. Plus our extensive catalog section of all U.S. and imported firearms available on the market today. 320 8½"x11" pages.

NEW!



#HA87

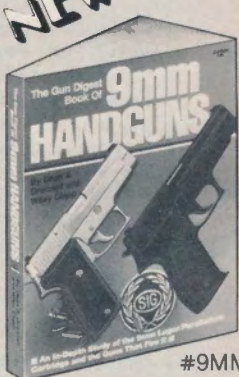
\$ 13⁹⁵

1987 GUN DIGEST HUNTING ANNUAL, 4th Edition

Edited by Robert S.L. Anderson

Grouse hunting in Scotland, a unique wing shooting experience. John Phillips explains why Alabama is the number one state for whitetail hunting. Bob Bell has a great article on bolt actions, the king of big game rifles. Don Zutz discusses the 28 gauge for upland game. Where to go and what to hunt in Montana. Chuck Adams shows how to track wounded big game, how to avoid trophy loss. Nick Sisley on northeastern woodcock and grouse tells where to find them and what to use. Mike Venturino gives his perspective on hunting from horseback. Jack Lott on hunting lions in Africa. Plus much more including complete hunting license directory. New loads and reloads. 256 8½"x11" pages.

NEW!



#9MM

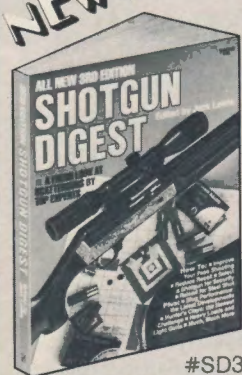
\$ 12⁹⁵

The Gun Digest Book Of 9mm HANDGUNS

By Dean A. Grennell & Wiley M. Clapp

Beginning with its origins and history up to today's "state of the art" 9mm handguns, this book evaluates the performance of both the guns and the ammunition. Side-by-side tests of all commercially available ammo as fired through the Beretta Model 92F, the recently adopted service sidearm of the U.S. Armed Forces. Gun coverage is extensive. The authors fired, under identical conditions, everything that was available in the caliber, over 50 guns in all, and then evaluated the performance of each. Historical pieces on the major manufacturers and a comparison of the new Beretta service pistol and the old Colt 45. Directory of manufacturers. 256 8½"x11" pages.

NEW!



#SD3

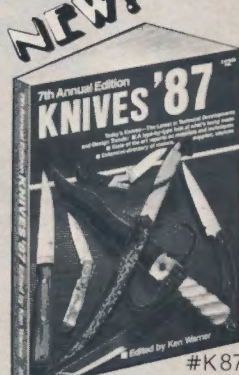
\$ 12⁹⁵

SHOTGUN DIGEST 3rd Edition

Edited by Jack Lewis

Hunter clays offer realistic challenges for the shotgun hunter. Psychological misgivings and poor fitting guns create the shotgun recoil problem. Both can be remedied. Investigation of the myth about correlation between barrel length and shotgun velocities. Right and wrong chokes for the field gun. Altering a shotgun stock to improve accuracy. Tips to improve wingshooting. Reloading steel shot. What shotguns to collect. New ideas regarding accuracy and efficiency of the black powder shotgun. What's available in duck calls, what really calls in game. Combination of heavyweight shells and featherweight gun for successful duck hunting. Using slugs to convert a shotgun to a short-range rifle. Directories of manufacturers and suppliers. 256 8½"x11" pages.

NEW!



#K87

\$ 12⁹⁵

KNIVES '87 7th Edition

Edited by Ken Warner

In this informative edition, Butch Winter gives his perceptions of what everyone else calls the "Fighting Knife". Jim Sornberger, knifemaker and professional heat treater, shares a few kind words about 440C, a steel he believes is unjustly disparaged as often as not. Wayne Goddard provides considerable information on cable Damascus. Military knife collecting is examined. Plus the Studies of Steel and of Sharp continues, emphasizing testing procedures and results. The trends section looks at complex knife patterns, and what have become world standards in handmade straight knives and folders, hunters, boot knives, utility knives, and tantos. Expanded comprehensive directory. 256 8½"x11" pages.



HOLIDAY SPECIAL

Buy One **DBI** Book, Get One Free!



WE'LL PAY THE POSTAGE. YOU CAN CHARGE IT, TOO! (SEE COUPON)

The Gun Digest Book Of ASSAULT WEAPONS



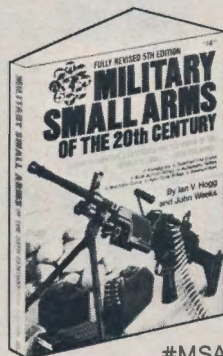
Edited by Jack Lewis

The complete picture of all that's happening in the field of assault weaponry. Lewis discusses the impact of these increasingly sophisticated firearms on the civilian community including a report on the Synchro-Fire system, devised for accurate gunfire against terrorists. Thorough coverage on the full-auto and semi-auto families. Full-auto testfire reports on the Aug/Steyr, the Enfield System, the Beretta M128S and 93R, the H & K and Viking systems. Semi-auto testfire reports on the AR-15, AR-180, Barrett M-82 and Ruger's Mini-14, among others. Plus shotgun coverage. 256 8½"x11" pages.

\$ 12 95

#AW

MILITARY SMALL ARMS OF THE 20TH CENTURY, 5th Edition



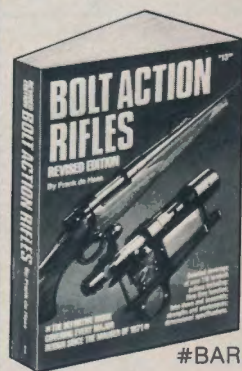
By Ian V. Hogg & John Weeks

Fully revised and updated edition of the standard reference in its field. Hundreds of military firearms of 60 caliber or less, used and to be used by the world's armies throughout the 20th century. New pistols, submachine guns, bolt-action rifles, automatic rifles, anti-tank rifles and machine guns, including the Browning DA Compact pistol, USSR AKR SMG, the Walther WA 2000 Sniping rifle, FN BGM-15 heavy machine guns. Spots new trends and developments in the small arms field with detailed descriptions. Specs. Fully illustrated. 304 8½" x 11" pages.

\$ 15 95

#MSA5

BOLT ACTION RIFLES Revised Edition



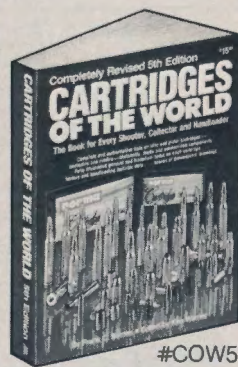
By Frank de Haas

The most definitive work on all major bolt action rifle designs. Eighteen new actions have been added to this edition and 18 others have been updated and supplemented with new information. It's a highly technical book, covering all of the common military turnbolt actions and many commercial ones, both foreign and domestic, describing their history, their construction, how they function, how they are marked. Includes general and dimensional specifications, parts diagrams, take down and assembly procedures, descriptions of the various rifles and carbines based on each action and, where applicable, gunsmithing information. From Arisaka to Mannlicher, Mauser to ZKK Brno, de Haas covers them all. 448 8½" x 11" pages.

\$ 14 95

#BAR

CARTRIDGES OF THE WORLD 5th Edition



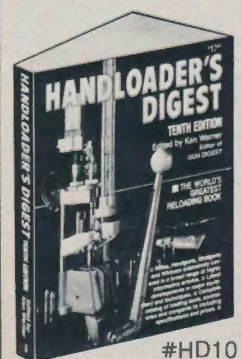
By Frank C. Barnes

It's a basic book, setting down the dimensions, performance parameters and physical characteristics for over 1000 different cartridges, all in a single, well-organized volume. With Barnes' commentaries on each cartridge listed, it's more than a catalog. It's an encyclopedic reference work, completely updated with special attention given to wildcats and British sporting cartridges. In addition, due to changes in both NATO and Eastern block attitudes toward small arms, this edition reinstitutes a special discussion of modern military cartridges. 416 8½" x 11" pages.

\$ 15 95

#COW5

HANDLOADER'S DIGEST 10th Edition



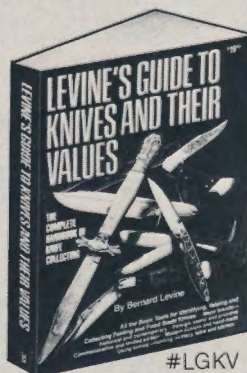
Edited by Ken Warner

The big book on handloading, with dozens of "how to" features, covering everything from tools and materials to techniques and tips. Includes "Notes On Today's 22 Bullets" by Layne Simpson, "A Walking Around Wildcat Rifle" by Hal Hartley, and "Loading The 257 Remington Roberts In Its 50th Year" by Norman Rowcliff. Must reading: "Loading For The 224 Weatherby Varmintmaster" by Lonny Weaver and "The 444 Formula For Survival" by Robert K. Sherwood. Also includes most extensive catalog available, listing components, equipment and accessories for reloading rifle, pistol and shotgun ammunition. 320 8½"x11" pages.

\$ 13 95

#HD10

LEVINE'S GUIDE TO KNIVES AND THEIR VALUES



By Bernard R. Levine

Revolutionary guide to knife identification, pricing and collecting. Over 2000 photos and illustrations. Identifies and prices folding knives by cross referencing brand lists and pictures, fixed blades directly by pictures. Pictorial keys to patterns, histories, glossary, foreign words. Covers foreign, exotic, primitive, commemorative, limited edition, contemporary custom and hand-made knives. Bowies, military, Indian, butcher, table and industrial. You name it, it's here. How to buy and sell. Preservation. Organizing and displaying a collection. Spotting fakes. Much more. 480 8½" x 11" pages.

\$ 19 95

#LGKV

SEE DETAILS ON FOLLOWING PAGES



HOLIDAY SPECIAL

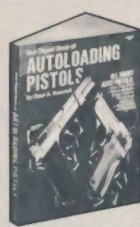
Buy One DBI Book, Get One Free!

WE'LL PAY THE POSTAGE. YOU CAN CHARGE IT, TOO! (SEE COUPON)



GUN DIGEST BOOK OF COMBAT HANDGUNNERY
By Jack Lewis & Jack Mitchell
From the basics to competition training and exercises. Coverage of the Bianchi Cup, the Steel Challenge and World Championships with diagrams and how to shoot courses. 288 8½" x 11" pages.

#COMB \$11.95



GUN DIGEST BOOK OF AUTOLOADING PISTOLS
By Dean A. Grennell
History, operating principles and firing techniques for rim-fire, military/police, competition, hunting, assault autos. Value trends, reloading, holsters, full catalog. 288 8½" x 11" pages.

#AUTO \$11.95



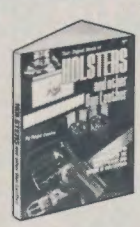
PISTOL AND REVOLVER DIGEST, 3rd Edition
Edited by Dean A. Grennell
All-new. State of the art, recent trends, scopes and sighting systems, terminal ballistics, combat competition, powders, factory loads, what to collect, reloading, and much more. 288 8½" x 11" pages.

#PAR3 \$11.95



THE TRAPPER'S HANDBOOK
By Rick Jamison
All the ins and outs of successful trapping from making scent to marketing the pelts. Covers coyote, red and grey fox, skunk, opossum, badger, muskrat, mink, beaver and raccoon. 224 8½" x 11" pages.

#THB \$11.95



GUN DIGEST BOOK OF HOLSTERS and other Gun Leather
Edited by Roger Combs
Extensive examination of the past, present and future of carrying apparatus for all kinds of firearms: military, shoulder, saddle, competition, more. 256 8½" x 11" pages.

#HOLS \$11.95



GUN DIGEST BOOK OF TRAP & SKEET SHOOTING
By Art Blatt
Understanding the game. How to shoot and win. A look at today's competition shotguns. How to improve scores thru proper tournament prep. Complete rules for American trap & Skeet. Fully illustrated. 288 8½" x 11" pages.

#SKEE \$11.95



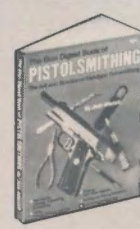
GUN DIGEST BOOK OF THE HUNTING RIFLE
By Jack Lewis
A thorough and knowledgeable presentation of today's hunting rifles, the pros and cons, from single shot to semi-auto. Calibers. Sighting. Stocking. Triggers. Trajectory. Much more. 256 8½" x 11" pages.

#HUNT \$11.95



GUN DIGEST BOOK OF SCOPES AND MOUNTS
By Bob Bell
One-of-a-kind reference book covering all major manufacturers: Weaver, Lyman, Zeiss, B-Square, Jaeger, Leupold, more, with personal comments on individual pieces. 224 8½" x 11" pages.

#SCOP \$11.95



GUN DIGEST BOOK OF PISTOLSMITHING
By Jack Mitchell
Covers smoothing, tuning, timing, joining, metal tempering, rebarrelling, troubleshooting, accurizing, installing/altering sights, making replacement parts. Kits for a 45 auto, rebuilding a junker pistol. 288 8½" x 11" pages.

#PIST \$11.95



GUN DIGEST BOOK OF RIFLESMITHING
By Jack Mitchell
Covers locking systems, proven designs, triggers, safeties, barrel rifling/crowning, bedding, bolt jewelling, installing scope mounts and sling swivels, metallic rifle sights, stocks and forearms, much more. 256 8½" x 11" pages.

#RIFL \$11.95



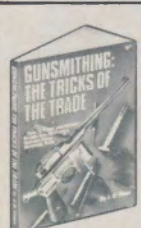
GUN DIGEST BOOK OF SHOTGUNSMITHING
By Ralph Walker
One of the nation's premier shotgun specialists explains the principles and practices of repairing, individualizing and accurizing modern scatterguns. Much here never covered before. 256 8½" x 11" pages.

#SHSM \$11.95



HOME GUNSMITHING DIGEST, 3rd Edition
By Tommy L. Bish
Repair, restoration, remodeling for every gun owner. Metal: plating, inlaying, soldering. Wood: gluing, coloring, filling, finishing. Tools: choosing, sharpening, care. 256 8½" x 11" pages.

#HG3 \$11.95



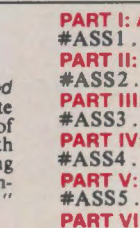
GUNSMITHING: THE TRICKS OF THE TRADE
By J. B. Wood
Using ordinary workshop tools, Wood explains how to replace and repair broken parts without welding; repoint firing pins/auto pistol strikers; tighten shotguns/revolvers; more. 256 8½" x 11" pages.

#TRIX \$11.95

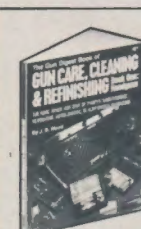


GUN DIGEST BOOK OF FIREARMS ASSEMBLY/DISASSEMBLY
By J. B. Wood
Field-stripping and complete takedown and reassembly of 201 popular firearms with photos and text describing each step. Each book contains 288-320 8½" x 11" pages.

#ASS1 \$12.95



PART I: AUTOMATIC PISTOLS
#ASS1 \$12.95
PART II: REVOLVERS
#ASS2 \$12.95
PART III: RIMFIRE RIFLES
#ASS3 \$12.95
PART IV: CENTERFIRE RIFLES
#ASS4 \$12.95
PART V: SHOTGUNS
#ASS5 \$12.95
PART VI: LAW ENFORCEMENT WEAPONS
#ASS6 \$12.95

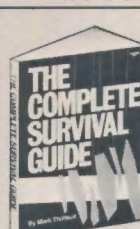


GUN DIGEST BOOK OF GUN CARE, CLEANING AND REFINISHING
By J. B. Wood
Two separate volumes describing correct care in detail - one on pistols and revolvers; the other, rifles and shotguns. Covers dry firing, cleaning equipment, chemicals, lubricants. Explains cleaning methods for all guns - even black

powder arms. Explores the art of refinishing, many carrying cases, theft protection, evaluation and insurance. Each book contains 160 8½" x 11" pages.

Book I: HANDGUNS
#GCH \$9.95

Book II: LONG GUNS
#GCL \$9.95



THE COMPLETE SURVIVAL GUIDE
Edited by Mark Thiffault
How to prepare for and survive manmade and natural disasters. How to protect and secure your life and property. How to equip and supply a shelter. Latest in survival weapons, techniques and equipment. 256 8½" x 11" pages.

#SURV \$11.95



THE COMPLETE SHOOTER
By Sam Fadala
Truly the complete book of shooting. Whether your interest is mild or fierce, this is the one book you must have in your shooter's book case. 448 8½" x 11" pages.

#SHOOT \$18.95



GUN DIGEST BOOK OF METALLIC SILHOUETTE SHOOTING
By Elgin Gates
Comprehensive coverage is given to the rifles, handguns, scopes and ammo currently being developed for this exciting, fast growing sport. Plus history, rules and meets. 256 8½" x 11" pages.

#MSS \$11.95



POPULAR SPORTING RIFLE CARTRIDGES
By Clay Harvey
Examines almost 50 metallic cartridges, their history and handloading quirks. Combines hard data with Author's interesting and informative analysis. Factory and handload data furnished with each cartridge. 320 8½" x 11" pages.

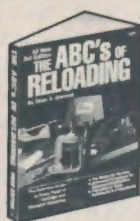
#PSRC \$13.95



HOLIDAY SPECIAL

Buy One DBI Book, Get One Free!

WE'LL PAY THE POSTAGE. YOU CAN CHARGE IT, TOO! (SEE COUPON)



ABC'S OF RELOADING 3rd Edition

By Dean A. Grennell

Constructing a loading bench, dispensing powder, seating bullets, bullet casting, lube/sizing, swaging, shotshell reloading, J. D. Jones Wildcats, homemade equipment, primers, powders, bullets. Mathematical tables/equations. All new. 288 8½" x 11" pages.

#ABC3 \$12.95

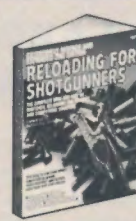


METALLIC CARTRIDGE RELOADING

Edited by Robert S.L. Anderson

How-to articles by experts, plus over 200 pages of load table data on approx. 70 rifle and pistol calibers. Emphasis on modern rifle & handgun cartridges, selected obsolete ones. 320 8½" x 11" pages.

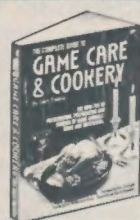
#MCR \$13.95



RELOADING FOR SHOTGUNNERS, 2nd Edition

Edited by Robert S.L. Anderson Expanded, fully up-dated reloading tables and bushing charts for every major press and component maker. All new articles, big Q & A section. Complete catalog of presses, components, and accessories. 256 8½" x 11" pages.

#RFS2 \$11.95



THE COMPLETE GUIDE TO GAME CARE AND COOKERY

By Sam Fadala

Fadala's unique approach covers everything from harvesting and preparation to cooking and serving. Learn to butcher, bone, can, smoke, age, but, best of all, enjoy. 288 8½" x 11" pages.

#GAME \$12.95



TURKEY HUNTER'S DIGEST

By Dwain Bland

A complete no-nonsense approach to hunting all five subspecies by North America's top wild turkey hunter and guide. Hunting techniques, photography, taxidermy, trophy hunting, recipes, much more. 256 8½" x 11" pages.

#THD \$12.95



SUCCESSFUL DEER HUNTING

By Sam Fadala

Fadala tells what has worked best for him, covering habitat, hunting techniques, guns and equipment, butchering in the field and preparing the harvest for the table. 288 8½" x 11" pages.

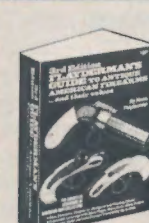
#SDH \$11.95



GUN COLLECTOR'S DIGEST, 4th Edition

Edited by Joseph J. Schroeder Discussions on Nagant revolvers, the original Mauser KAR98, muzzleloading cannons. History of the modern bayonet. Fakes, gun importing problems, importance of condition. Photo essays. Much more. 224 8½" x 11" pages.

#GC4 \$12.95



FLAYDERMAN'S GUIDE TO ANTIQUE AMERICAN FIREARMS And Their Values

3rd Edition

Completely updated prices & specs with over 3500 models and 1450 photos. How to identify, value and collect. 624 8½" x 11" pages.

#FLA3 \$19.95



THE COMPLETE BLACK POWDER HANDBOOK

By Sam Fadala

Everything from proper lubes and rifling twist to do-it-yourself accessories. Plus surefire loading methods, ballistics, safety, successful shooting tips. 320 8½" x 11" pages.

#BPHB \$11.95



THE BLACK POWDER HANDGUN

By Sam Fadala

From the Duckfoot to the Ruger Old Army. Covers loads and loading, moulding bullets and balls, ballistics, tuning and timing, lubes, solvent, patching, sighting-in. More. 288 8½" x 11" pages.

#BPHG \$11.95



BLACK POWDER GUN DIGEST, 3rd Edition

Edited by Jack Lewis

All-new articles on black powder shotgunning and loads. Whitworth original/replica comparison, round ball deformity, improving shooting skills. Make a powder horn, rifle cover, customized rifle. 256 8½" x 11" pages.

#BPG3 \$11.95



GUN DIGEST BLACK POWDER LOADING MANUAL

By Sam Fadala

Extensive load table data on the most popular black powder guns, plus articles on the importance of the patch, propellants, much more. 224 8½" x 11" pages.

#BPLM \$11.95



ARCHER'S DIGEST 4th Edition

Edited by Roger Combs

The latest techniques, equipment and accessories for bowhunting, field archery, target shooting, silhouette and flight shooting. Plus index of equipment manufacturers. 256 8½" x 11" pages.

#AD4 \$12.95

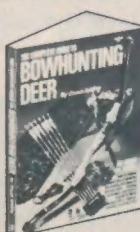


BOWHUNTER'S DIGEST, 2nd Edition

By Chuck Adams

All-new edition presents both the basic skills and subtleties of bringing down game on the hoof or wing. Covers all the necessary equipment and how to use it, plus the fine points to improve your skills. 288 8½" x 11" pages.

#BOW2 \$11.95



COMPLETE GUIDE TO BOWHUNTING DEER

By Chuck Adams

Covers equipment, basic and advanced shooting techniques. Plus common animal behaviors and habitats, stalking, stillhunting, hunting from stands, field care and tips on improving accuracy. 256 8½" x 11" pages.

#BOWD \$11.95



ARCHERY EQUIPMENT ILLUSTRATED

Edited by the staff of Bow & Arrow Magazine

First single-source reference for archery equipment. Includes info on bows, arrows, broadheads, release aids, bow cases and covers. Also targets, bowfishing knives, big directory. 256 8½" x 11" pages.

#AEI \$10.95

TWO BOOKS FOR PRICE OF ONE! HERE'S HOW!

Buy one of the DBI books shown in this ad and get another DBI book FREE!

- Buy any book(s) in this ad at retail price.
- For each book you buy, you may select a second book from this ad of the same price or less FREE!
- We pay all the postage and handling costs.
- This offer is restricted to purchases made by mail order from this ad only.

A I'm Buying These	B Retail Price	C Send These FREE!
Book #	\$	Book #
Book #	\$	Book #
Book #	\$	Book #
Book #	\$	Book #
Book #	\$	Book #
Book #	\$	Book #
Book #	\$	Book #
Column "B" Total	\$	
TOTAL ORDER	\$	

Please check one:

- ☐ I enclose full payment by check or money order.
- ☐ Charge my credit card:

☐ Mastercard ☐ Visa



Acct. No. _____

Exp. Date _____

Signature _____

**10-DAY MONEY BACK GUARANTEE.
ALLOW 4-5 WEEKS FOR DELIVERY.**

DBI BOOKS, INC. Dept.Z658
4092 Commercial Ave., Northbrook IL 60062

Name _____

Address _____

City _____

State _____ Zip _____

Offer Expires February 28, 1987.
U.S. & Canada only. Sorry, no APO's or FPO's.
Check, money order or credit card data must accompany order. Please do not send cash.

HAVE YOU SEEN ALL 4 PAGES?

COP TALK

MASSAD AYOOB

SELDOM HEARD ARGUMENTS REKINDLE OLD AUTO VERSUS REVOLVER DEBATE

The revolver versus auto controversy in police circles is more heated than ever. It continues to follow the lines of old arguments, often discredited. "Revolver versus Auto," for most cops, comes down to "Reliability versus Firepower."

Doing this for a living as a combat weapons/officer survival instructor full time, I question both arguments. The single most reliable handgun I own happens to be an HK P7 9mm auto that survived 4500 rounds of shooting *without disassembly or anything but surface cleaning*, yet never came closer to a malfunction than failing to lock the slide open over an empty magazine. Firepower is nice, but I find that the real arguments in favor of an auto are the increased hit probability under stress, and a safety catch that someone unfamiliar with that particular gun is unlikely to be able to immediately release if he gets it away from you.

Let's give some depth to the argument with real-world factors that you don't see in the usual debates.

Revolvers are superior for barricade shooting. Whenever possible in an actual firefight, you want to be behind something that will stop your opponent's bullets. The deeper you're behind it, the better. The closer your gun is to your barricade, the more of you is shielded by that protective surface; the farther your gun is from the barricade, the more of your eyes and head and body have to follow it out into the unshielded kill zone.

A revolver's design allows it to hug the barricade. Lay the side of your wheelgun's barrel against the brick wall you've taken cover behind, and you are maximally shielded, and your gun is stabilized. In 1980, I learned that the old canard that "If the barrel touches the barricade, vibrations will make the bullet miss" was a crock. In fact, laying your sixgun's barrel on something firm gives you a close approximation of a Ransom Rest.

Try the same with an automatic, and you're likely to get a fast jam. Friction of the slide against the barricade will slow down the slide cycle, and if you're shooting around the right

side of a barricade with a Walther P-5 or around the left side with almost any other gun, the ejected shell can hit the wall and bounce back into the open ejection port, jamming the pistol. Treacherously, this doesn't usually show up on the 2-by-6 boards we use for barricades on the training ranges, but *will* happen in short order when you've laid your service automatic upside a full-length wall. This is why I teach my auto users the Jim Cirillo barricade position, in which the gun is canted away from the barricade, preventing slide contact and arcing the spent casings straight up and over your head when firing from the left side.

Not for nothing have a preponderance of the world's best handgunners switched from autos to wheelguns in the Bianchi Cup, the fat-pursed Wimbledon of Handgunning. One-fourth of the demanding Bianchi Cup format is barricade shooting, and here the revolver has a great advantage. While a street cop wouldn't put his hand next to the barrel-cylinder gap to be burned in the braced position most Cup shooters get into with their wimp-loaded sixguns, the fact remains that the sixshooter is more amenable to shooting from behind walls. This is one powerful reason why the last four Bianchi Cups were won with Smith & Wesson .38 revolvers.

On the other hand, new prison and street-gang tactics for killing cops have shown a side of the "service automatic advantage" that has never been published before to my knowledge. For several years, prison gangs

AUTOMAG II

DESIGNED TO BE DIFFERENT!



**.22 rimfire
magnum**

SPORTS PISTOL

Nothing like it! Bold look . . . Surprising load. A new, exciting pistol for the small game hunter, plinker and gun enthusiast.

FEATURES UNIQUE GAS ASSISTED ACTION

- Millett adjustable white outline sights
- Barrel length 6"
- Stainless steel construction
- Magazine capacity 10



CALL OR WRITE TODAY FOR FREE
AMT ILLUSTRATED PRODUCT BOOKLET

ARCADIA MACHINE & TOOL, INC.

536 North Vincent Ave., Dept. AH, Covina, California 91722 • (818) 915-7803

LEARN GUN REPAIR!

OVER 45,000 STUDENTS SINCE 1946

Study at home in your spare time...

MAKE MONEY AND ENJOY YOURSELF!

Find out how thousands have done it! Get into a business where you know you'll be happy and have a good future too! A career in gun repair is exciting and rewarding if you like working with guns. Learn how to buy and sell guns...do hand loading...use black powder weapons...get professional stock finishing results...gunpowder and ballistics...customizing...sporterizing...checking...trouble shooting and much much more...

WE HELP YOU GET YOUR FEDERAL FIREARMS LICENSE!

As early as your second lesson you can learn how to get your FFL. We give you an actual FFL application...Then we show you just how to fill it out and tell you just where to send it.



SPECIAL TOOLS ARE ALL INCLUDED

A complete tool kit is included in your course. Special tools include the well known Powley Computer and Powley Ballistics Calculator...you'll also get a pull and drop gauge, a trigger pull gauge, checking tools, screwdrivers plus many more special items to make up all the tools you'll need to get you started fast.

©Modern Schools Box 5338 Phoenix, AZ 85010

START MAKING MONEY FAST

After completing your first few lessons, you'll be able to order guns, ammo, and accessories for others...even make simple basic repairs. This means **extra cash in your pocket**. As soon as you complete your course, you'll receive two handsome parchment Diplomas (one for your house and one for your shop).

EVERY SINGLE LESSON

is written in easy to understand language. Your lessons are loaded with charts, photos, exploded views, diagrams and special booklets. And...you set the pace because you go as fast or as slow as you want.

SPECIAL PROBLEMS? They are all covered in our booklet "Special Teaching Aids". This special bonus was prepared for Modern School by Winchester Western. You'll learn the "secrets" of accurate shooting...trajectory...velocity...sighting-in, plus much more. This booklet is NOT available anywhere else. Earn your "Gunology" Diploma by taking the exam at the end of this book. Winchester has authorized us to award this special diploma to you.

OUR FAMOUS STAFF IS ALWAYS READY TO HELP YOU!

We are always ready to be at your service. Our famous expert consultation service is available to you as a Modern Student...even AFTER you graduate! You'll get special tips and hints from these pros who have the necessary know-how.

START YOUR OWN BUSINESS

We show you how you can go into business for yourself full or part-time. You can even start your business in your home...Everything you need is included! After teaching gun repair for over 40 years to over 45,000 students, we've had the necessary time to smooth your course out...to "fine tune it". We include everything for you that a "gun pro" has to know and have!



- ACCREDITED BY THE ACCREDITING COMMISSION OF THE NATIONAL HOME STUDY COUNCIL
- APPROVED FOR VETERANS AND GI BENEFITS

BE AN EXPERT GUNSMITH IN LESS THAN 6 MONTHS!

START NOW AND EARN YOUR DIPLOMA AT HOME IN SPARE TIME
NO PREVIOUS EXPERIENCE NECESSARY

THESE PEOPLE HAVE LEARNED THE MODERN SCHOOL HOME STUDY WAY AND ARE NOW SUCCESSFUL GUN PRO'S!



"I have already made good money while studying your course. I have found that I can earn while I learn. Many thanks to you for helping me make good money as a gun repairman!"
Vernon Gruver
Checotah, OK



"I thoroughly enjoyed taking your gun course because your staff has taken pride in making your lessons easy enough so that you don't have to be a college student or graduate to understand them. I have been a Mercedes mechanic for 8 years now and this has helped me to understand that quality counts in gun repairs too! Keep up the good work and thanks again!"
Ronny Peede
FT. Worth, Texas



"I had to stop and write to tell you my thanks for producing this course. Even though I'm living on a ranch in the boondocks, just word of mouth has me swamped with rifles to clean and oil and repair. Since hunting season has started, there's more work out here than I can handle. I'm seriously considering opening my shop up as a full time business. Thanks to everyone at Modern Schools."
Allan Nance
Dewington, Alberta, Canada

BE A WINNER!

Join the thousands of successful men who have taken our course! They come from all walks of life and range from beginners to advanced gunsmiths. There is much to be learned by everyone in this "all complete" course. You'll find lessons on just about every well-known shotgun, pistol, rifle and automatic plus many hard to find firearms too. You'll find out how you can take apart and repair all of these and more. Get into a career where you'll make good money and have fun too!

"Be a Proud and Successful Gunsmith!"

WRITE NOW FOR FREE FACTS! or call (602) 990-8346

YES! Please rush free information on how I can become a gun pro. I am under no obligation and no salesman will call.

Name: _____ Age: _____

Address: _____

City/State/Zip: _____

MODERN GUN REPAIR SCHOOL dept. GBA37
2538 N. 8TH. ST. • BOX 5338 • PHOENIX, AZ 85010

have been training the bad guys to grab a cop's gun upside down from the front, rip it out of the holster, and pull the trigger at point blank range with their little finger. Inaccurate at any significant distance, the technique is lethal within arm's reach.

Picture, however, trying to do that with a cocked and locked .45 auto, and trying to release the safety catch upside-down. Depressing the grip safety would be awkward at best, maybe impossible. With any auto, even if the gun goes off the first time, it's unlikely that it will fire a second time: the slide's movement will be blocked by the heel of the attacker's own gunhand in the upside-down position. It is remarkably likely that the officer will survive being shot one time—a national study of officer-involved shootings indicated that only one of every four felons shot by trained police die of their wounds, and a Florida study of gunshot injuries from a hospital perspective indicated a nine out of 10 survival rate. Being shot more than once, however, greatly increases the odds of dying from the gunfire. Thus, the auto pistol in general is a much more survivable weapon in this type of attack, and if a safety catch is in place, it is most unlikely that the officer so attacked will be shot even once.

A characteristic of a handgun that is a strength in one moment can be a weakness in another. The auto pistol with the safety engaged is proprietary to the user, that is, someone who doesn't have familiarity with that particular handgun can't make it go off until he has fumbled with it for a while. This

has kept a lot of good cops alive when scumbags got their safety-locked service automatics away from them and couldn't make them go off.

Yet, another little known fact is that one of the great advantages of the popular "backup gun" is that it allows the officer to arm a qualified companion who, at the outset of the danger situation, is unarmed. This writer has carried a second gun every time he wore his uniform since 1972, yet has never had to draw it because he'd been disarmed, or run out of ammo, or for any of the other conventional reasons for second gun carry.

What this writer has had call to do, on multiple occasions, was draw the second weapon to arm an assistant who did not have his or her own gun on when the danger presented itself. Not every qualified Good Guy knows how to work a given autoloader, but anyone who has qualified with any handgun knows the "point gun, pull trigger" operation of a double action revolver. Having been on both sides of this issue—something as mundane as leaving my Colt Agent with my wife in the parked car as I entered a place of business in a rough neighborhood carrying my concealed, full-size fighting handgun, or something as serious as being handed a Detective Special by a city cop I was riding with as a civilian visitor when an armed robbery arrest was imminent—I like revolvers for backup guns.

Yes, I agree with the conventional wisdom that a second gun for your own use should be the same action type and caliber as your

primary handgun. But for the above reason, even though I am often likely to be carrying a Colt .45 auto as my primary defense arm, my normal backup gun is a small frame Colt or Smith & Wesson double action revolver in .38 Special. I've been in danger with a lot of qualified people when there weren't enough guns to go around. All of them would have been competent with a revolver. Not all of them would have been competent with my Star PD, my PPK, my Lightweight Officer's Model, or any of my other concealed carry automatics. The curse of the revolver when a bad guy grabs it becomes the blessing of a revolver when you hand it to another good guy to back you up with.

The reason the revolver versus automatic argument rages on is that there are so many good points for each side. It's one of the toughest decisions for the lawfully armed man or woman to make.

All I ask is that you make your own decision based on real reasons, not mythical ones.



IPSC INDOOR CHAMPIONSHIP

The 1987 IPSC Indoor Championships will be March 14 and 15 near Kansas City. Hosted by the Hill Creek Practical Shooters League, the match is one of the best on the IPSC circuit. Contact IPSC Indoor, Box 14712, Lenexa, KS, 66215 (816) 741-9600.

INSIGHTS INTO IPSC

CAMERON HOPKINS

PRACTICAL PISTOL FROM JEFF COOPER; 10mm ROUND FOR IPSC LOOKS ENTICING

Several juicy tid-bits. A Perfect Ten will take on new meaning this year as the 10mm comes to life in various guises, including one specially designed for IPSC. Tactical Class is becoming more popular, and a prac-

tical pistol from Jeff Cooper holds much promise. Another new gun for Tactical Class also looks tempting, but you will probably never get to shoot it.

Our European correspondent reports he

has seen, touched, handled a .45 ACP Heckler and Koch P-7. The rumor of a .45 chambering of the German squeeze-cocker has been drifting about for some time now, but this is the first tangible proof we've had.

A call to H&K to verify the report brought rain to the picnic. Nope, no .45 P-7. Too small a market. The H&K spokesman acknowledged that IPSC shooters and some others would purchase .45 P-7s, but added that there is not enough demand to justify introduction. A minimum order of 50,000 pistols is required before the Germans ever get serious.

The H&K spokesman noted there are 28 manufacturers of .45 caliber pistols in the United States and added that H&K is not enamored with becoming number 29. Also, H&K is reluctant to introduce a .45 when the US Armed Services has switched to the nine.

"The forty-five is a dead caliber," the H&K man said.

However, our man in Europe can obtain one of the .45 P-7 prototypes, and he will report his experiences and test results in a future issue of the *Handgunner*. We may not be able to feast, but we can at least look at the menu.

But for a .45 you can shoot in Tactical Class, we have an offering from none other than the founder of IPSC. The Gunsite Service Pistol is a practical pistol designed with modifications specified by Col. Jeff Cooper.

The GSP is a Springfield Armory Government Model upgraded to Cooper's standards at the Gunsite facility in Arizona. Jeff's on-site gunsmith performs the modifications.

Of the GSP, Jeff says: "The piece itself contains no surprises, and there is nothing new in it at all. The concept will be criticized by gamesmen in that the weapon is not personalized, but that is exactly the idea.

"The GSP includes what is needed in a service pistol, and nothing that is not. Now this is in accordance with my view, and obviously my view could be wrong. The notion, however, that there ought to be a pistol available over the counter, that is ready-to-go for serious work is rather novel, and I cannot expect it to achieve much popularity in the press.

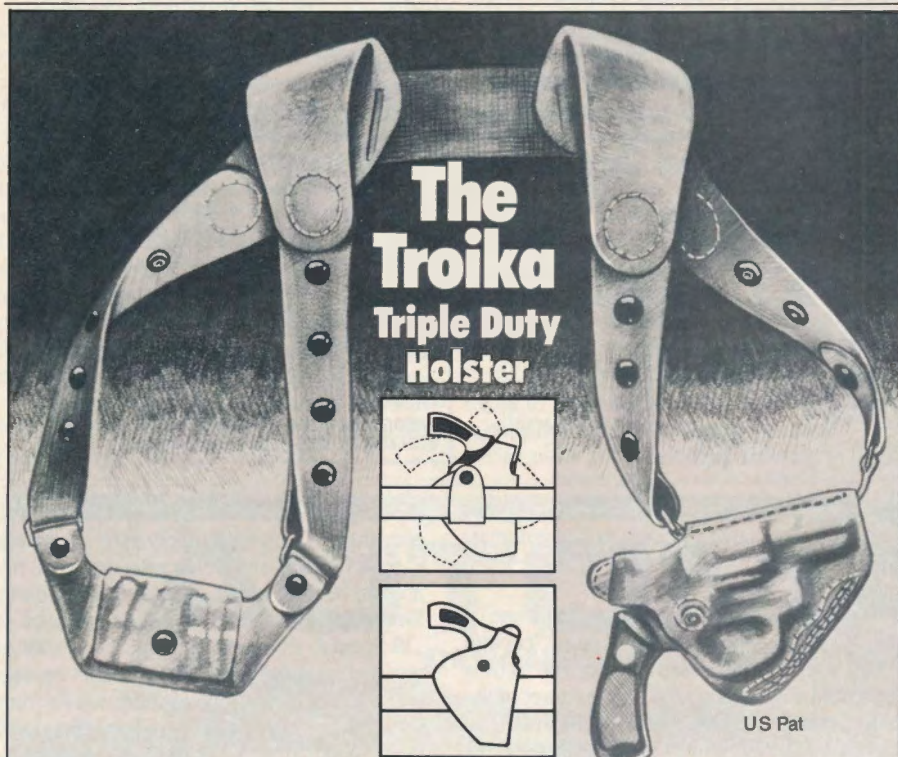
"It is, however, exciting great interest among the faithful. The pistols, incidentally, are just great, but then why wouldn't they be?"

The GSP retails for \$545 (Springfield Armory .45 pistol included) with the following improvements:

- *Hi-viz, fixed sights
- *Trigger job (tested and proved)
- *Throat job
- *Extractor job
- *Speed safety
- *Oversize, solid bushing
- *Bobbied hammer
- *Dehorning
- *Press-fit firing-pin stop
- *Full matte-black finish
- *two magazines

For more information, call (602) 636-5382 and ask for gunsmiths Gary Huggins or Richard Carson.

Continued on page 69



The Cobra Combo Shoulder System, traditionally a best seller, has been newly redesigned to add versatility to its line-up of superior quality features. The Combo readily converts to a waistband holster in seconds for inside or outside carry. Just run your belt through the preangled slide on rear for perfect outside carry or attach the swivel strap for concealable inside carry.

From your dealer or Cobra
send \$58.95 plus \$3.00 shipping.

Specify gun size and right or left hand. 133-30 32 AVE. FLUSHING, NY 11354 (718) 762-8181

Send \$3.00 for catalog of complete line.

COBRA GUNSKIN



UNITED STATES PRACTICAL SHOOTING ASSOCIATION / IPSC, INC.

BE A PART OF THE ONLY ORGANIZATION
DEDICATED EXCLUSIVELY TO
PRACTICAL SHOOTING!



FREE

I.P.S.C. DECAL FOR JOINING NOW!

INDIVIDUAL APPLICATION FOR MEMBERSHIP USPSA/IPSC

Name _____

Address _____

City _____

State _____ Zip _____

I am applying for the following type of membership:

☐ Annual \$20

☐ Canadian \$25

☐ Life \$200

☐ Foreign \$35

Signature _____

Please include check or money order. Mail to:

Office of the President/RD
Dept. A, P.O. Box 811
Sedro Woolley, WA 98284

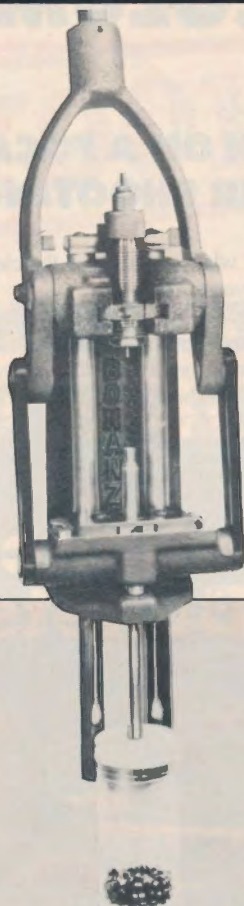
TEST REPORT

By Dan Cotterman

This time we're working with the Forster/Bonanza Co-Ax, a press said by the manufacturer to make reloading ammo faster, easier, and more accurate. This is accomplished because the Co-Ax features snap-in and snap-out die changing, automatic self-acting shell holder, three times the mechanical advantage of ordinary C-type presses, floating guide rods that assure improved alignment and minimize friction, and plenty of working room for right or left-handed operators.

The Co-Ax has a lot more to offer, and we'll be discussing some of it later, but first let's take a closer look at what the features mentioned above mean to the handloader. We'll begin with easy die changing. Once the dies are adjusted for correct resizing, seating, and crimping, they can be snapped in and out

BONANZA CO-AX B-2 PRESS



of a slot in the head of the Co-Ax. A steel ball with adjustable spring tension is located within the slot, at the upper left side. The ball exerts pressure on the top surface of the die lock ring so as to hold the die in place while allowing it to move slightly as the case enters the chamber. Correct case-to-die alignment is further enhanced by the action of the shellholder jaws. These are machined, spring-actuated plates that are designed to float with the die. Assured thus is optimal alignment on both vertical and horizontal axes, which results in more concentric case resizing, bullet seating, and neck crimping.

Repriming with the Co-Ax is a separate operation, which is done at the top of the press. That's where, with the earlier models, it is necessary to use standard shell holders. The newer Co-Ax Model B-2 dispenses with that need by including an adjustable shellholder. This, as far as I have been able to ascertain, is the only difference between early and current models. The adjustable set-up, which includes a steel mounting plate and three slotted jaws, is available as a kit and is easy to install. It works well, and including it on the B-2 was a good idea. If, however, you already own an older Co-Ax and shellholders for the cartridges you reload, there's no need to add the kit.

We may have revealed the derivation of the term Co-Ax in examining the alignment capabilities of the die and shellholder. Axial alignment is achieved again during reprim-

ing, and the Co-Ax is designed so that the surface of the priming punch is always at right angles to the case head. Uniform depth of seating is achieved automatically; therefore, there is no dependence on the operator's tactile perception. The result is no crushed primers and none that protrude so as to cause premature firing or interfere with cylinder rotation.

The Co-Ax priming system isn't fast, at least you don't think of it as being fast, because you're placing the primers in the punch one at a time. It is, however, one of the best I've ever used. I've never had a poorly seated primer, which is more than can be said for some of the automatic priming systems extant. Indeed, there's a heap of wisdom in the old axiom that advises us to make haste slowly.

But this press, for all its built-in handiness, is not without limitations. For one thing, it can't be used for file-and-trim work, such as is necessary to the making of certain wildcat rounds. Also, because of the universal shellholder set-up, you can't fit an accessory shellholder for swaging bullets. A conventional C or H-type press is needed for these operations.

Forster/Bonanza (82 East Lanark Avenue, Dept. AH, Lanark, IL 61046) will, on request, send you answers to more questions than you thought you could ask about their Co-Ax, or about what C.E. Purdy, who

Continued on page 75

OUR NAME TELLS IT ALL!



**SHOOTER'S
CHOICE**

Straight-Shootin' Gun Care!

Our bore cleaner and conditioner so effectively dissolves and removes fouling that we've become the choice of selective shooters. Try Shooter's Choice for a thoroughly clean barrel, for improved accuracy, for longer barrel life. It makes gun cleaning easier, faster, more effective than any other cleaner you've ever used.



MONEY BACK GUARANTEED

SHOOTER'S CHOICE

ALL WEATHER

HIGH-TECH

GUN GREASE

NEW



Try this custom grease specially engineered for fine firearms. Won't gum up or melt off. Waste free, pin-point syringe applicator.

At your dealer or write Dept. 3/4 AH

VENCO Industries, Inc., P.O. Box 598,
Chesterland, OH 44026 (216) 729-9392

HANDGUNS • RIFLES • SHOTGUNS • RIFLES • HANDGUNS • SHOTGUNS • RIFLES • HANDGUNS • RIFLES • SHOTGUNS • RIFLES • HANDGUNS



**INSIST ON THE ORIGINAL
MAG-NA-PORT® PROCESS**

Mag-Na-Port® has 10 years in the recoil reducing business and we are still growing. Many imitators have tried to copy our process but consistently fail.

Ask your dealer or
write to 41302
Executive Drive
Mt. Clemens,
Michigan
48045-3448
313-469-6727

Mag-na-port
INTERNATIONAL
(U.S. Patent No. 3808943)

LEATHAM'S COLUMN

ROB LEATHAM

INTENSE CONCENTRATION ON A FOCAL POINT IS A KEY TO BETTER SHOOTING

Focus. To a photographer it may mean the clarity of an object as seen through the camera. To one trained in the martial arts it may be exemplified as the singularity of purpose on which one's mind can concentrate. In shooting, focus represents both—the preci-

sion of what you see and the clearness with which you think.

Webster's New Ninth Collegiate Edition describes focus as "a position in which something must be placed for clarity of perception." This "position" is referred to as a "focal

point." When you shoot, either in practice or in competition, what occupies your focal point may well determine how well you are able to perform.

The conscious mind is able to focus on only a single item at one time. This is both a burden and a blessing. We must learn to use this single mindedness to our advantage.

The subconscious mind can perform many of the functions necessary to shoot much better than the conscious mind. So all we must do is allow the subconscious to take control. Obviously, this is easier said than done, as the conscious part of your mind is the more dominant.

Fortunately, it is rather simple to control. What is needed here is a way to calm or quiet the conscious mind. This is easily accomplished by "tricking" your conscious mind into focusing on a single, simple item thereby allowing the subconscious mind to control the shooting.

Ok. You with me so far?

Now is where all those lessons you were taught such as look at the sights, squeeze the trigger, etc. come into play. They are tricks used to occupy the conscious mind. I sometimes use others not so conventional. Generally, I tell myself to relax, think clearly or look at the targets. What works for me may not work for you and vice versa—but the concept is still the same.

I think you could ponder your big toe and get the same effect, but, having nothing to do with the task at hand, it would become very difficult to focus when your conscious mind noticed distractions. It would obviously put more emphasis on the no-shoot target you are about to hit than your big toe, therefore causing a distraction and subsequent loss of concentration.

The ability to concentrate during times of heavy stress will be very much a result of how well and on what you focused while being pressured.

Examples of this are found in all facets of life. I was lucky enough to be present and involved with the recent delivery of my first child. This obviously was a very stressful time for my wife, and I found it quite interesting for not only the miracle of my son's birth, but also to witness a person under a terrible amount of both physical and mental stress, not to mention a great deal of pain. Amazingly enough, not one of the attending nurses or doctors once told her to concentrate on how this hurts or how terrible she must feel. Always it was, try to relax, remember to breathe, and when it came time to push, push and push hard.

I sincerely doubt a person could be under more pressure than a woman during delivery. It certainly appeared worse than any pressure I have felt in any shooting competition. Again, amazingly enough, those techniques used to deal with this incredible pressure are the same we use to combat the minor pressure of shooting in competition. Focus on the problem at hand, concentrate on what is necessary and do what is needed to complete the task.

Avoid the wandering mind syndrome. If

Continued on page 72

Now
Nosler Performance
in Handgun Bullets!

100 JACKETED HANDGUN BULLETS
Nosler BULLETS
CAL. 38/150
38 Cal. (.357)-150 Gr. Soft Point

9mm 115 Gr. FMJ
.38 125 Gr. HP
.38 150 Gr. SP
.38 158 Gr. HP
.38 180 Gr. Non-Exp.
.44 200 Gr. HP
.44 240 Gr. HP
.45 185 Gr. HP
.45 230 Gr. FMJ

For the handgunner who is concerned with precision, accuracy and gametaking power, Nosler introduces a series of jacketed bullets manufactured with the same care as our world-famous rifle bullets.

These new bullets, available in a variety of popular calibers and weights, have been crafted from Nosler's nearly 40 years' experience in making Partition, Solid Base and Ballistic Tip bullets for riflemen. Now, modern manufacturing techniques give handgunners these high-quality bullets at a very low price.

Made on the industry's most advanced equipment, each Nosler handgun bullet has the tightly controlled shape, weight and balance to achieve all the accuracy your revolver or automatic is capable of delivering.

To test accuracy, Nosler fires samples of every lot through a special heavy-barrelled machine rest similar to those used to test rifle bullets.

To promote controlled expansion, Nosler tapers the jackets of these new bullets toward the tip. The inside of the jacket is then scored with six evenly spaced cuts to ensure a reliably uniform mushroom.

And for the silhouette shooter, the new handgun bullet lineup includes a .38 cal. 180-grain Non-Expanding bullet that delivers maximum energy to the steel target.

Load a box of the new Nosler Handgun bullets and see what we've done for your handgun shooting. We'll be happy to send you a free Nosler catalog. Just write Nosler Bullets, Dept. AHG-3, P.O. Box 688, Beaverton, OR 97505 U.S.A.

NEW FOR '87!

- 9MM 115 Gr. JHP
- .41 210 Gr. JHP
- .45 Colt .250 Gr. JHP

NOSLER
Nosler BULLETS

The AYOOB Files

By Massad Ayoob

“...AND I’M COMING OUT SHOOTING!”: THE LES DAVIS INCIDENT

Situation: A barricaded maniac swears he’ll kill as many cops as he can in his crazed last stand.

Lesson: Practice and more practice. Solid training carries the day as reflexes take over.

On March 21, 1977, five hostage incidents took place across the United States. One occurred in the small community of Freeport, Illinois.

That morning, a man named Frank DeBoer had decided that his life was going to come to an end, and since it couldn’t possibly be his fault, other lives would end first in retribution. At 42, DeBoer was an unemployed lumber yard worker whose associates would later describe him as a “loser.” His big hope had been a \$100,000 workmen’s compensation claim he’d put in for an injury he’d received while on a picket line. That morning, his attorney had called to advise that the case had been settled. For a paltry \$11,000.

His wife would say later that he had been bitterly morose. That morning, he’d refused breakfast and wouldn’t even talk to her. “He sat there in front of the TV, just stewing and not talking to anyone,” she would tearfully explain to police when it was all over.

The call from the lawyer was the trigger. He slammed down the phone, went upstairs, and began to gather his guns. He walked out the door with five of them. As he was leaving, a terrified Mrs. DeBoer asked tremulously, “Where are you going?”

“I’m going down to the lumber yard to shoot a few people,” he answered coldly.

As soon as he and his car were out of sight, Mrs. DeBoer called the police.

Freeport PD and the Stephenson County Sheriff’s Department responded from the textbook. Well-armed officers from both agencies raced to the lumberyard, and others grimly came in off their patrols to stake out the route the potential psycho gunman was likely to take from his home to what he now perceived as the vengeance ground.

The stalked out officers were hoping to overwhelm the potential psycho killer with a show of force and convince him to surrender. They never got the chance. The day’s freezing rain was turning to snow, and DeBoer’s car had become disabled at the slushy roadside of Illinois Route 26.

DeBoer’s aunt happened to pass by. She had already stopped to pick up her stranded nephew when she saw the guns. She asked him what he was going to do with them, and he told her what he’d told his wife: he was going to the lumber yard to shoot people.

The aunt tried verbal crisis intervention. Let me take you home,

she said. We’ll talk about it. DeBoer got in the car. To submit meekly and allow himself to be driven home? To commandeer the vehicle and force the aunt to drive him to the lumber yard he intended to turn into a charnel house?

No one will ever know. As soon as the car was underway, its passenger was recognized by two of the units that were part of the dragnet for the suspected gunman. They pulled the car over, a cruiser sliding in behind it while a police van pulled in front.

And Frank DeBoer came out shooting.

The shotgun bucked in his hands as he jumped out of the right front passenger seat, breaking the window out with the gun muzzle as he barricaded himself behind the open door. Hit twice as the shotgun blasts raked through the Freeport patrol car, Officer Lyle Kuhlemeyer went down. His partner, Officer William Small, returned fire.

Small’s defensive gunfire succeeded only in blowing the rest of the glass out of the shattered car window and in making DeBoer reflexively duck. Now unable to aim effectively, DeBoer cringed behind the door long enough for Small to drag Kuhlemeyer to safety behind the cruiser and out of the kill zone. The wounded officer would recover.

Small was no longer shooting, and realizing that he had been momentarily overwhelmed, the enraged DeBoer turned his shotgun on the police van, blasting out the windshield.

By now, Freeport Police Lieutenant Jack Munda, DeBoer’s brother-in-law, was on the scene. He had been off duty and heard of the situation on his home scanner.

Munda had come to help, not to fight. He yelled to his brother-in-law that the downed officer needed an ambulance. The gunman responded with raves and threats. Munda put down his own gun as a gesture of good faith. He offered to trade himself as a hostage if DeBoer would only fall back, call off his deadly threat, and allow the ambulance to assist the badly wounded officer.

Normally, cops are taught that it’s suicide to bargain themselves as traded hostages. The suspect’s antagonism toward police and The Establishment all but ensures the volunteer hostage’s death. In this case, Munda was gambling on the fact that the gunman was a relative.

It worked. Munda drove away with DeBoer in the back seat

Continued on page 52



proprietor of the American Pistol Institute, the world famous small arms training school at Paulden, Arizona. I had the rare opportunity to interview him recently at Gunsite Ranch:

JW: Jeff, as we sit here in front of the fire-place, the IPSC (International Practical Shooting Confederation) National Championships are being held in Phoenix, less than 100 miles away. You're the founder of that organization and its Honorary Chairman, yet you've let it be known that you won't attend. Why?

JC: How do you suppose the parents of Vanessa Williams feel?

JW: Where has IPSC gone wrong?

JC: They've forgotten the "P". They should

go to the term that John Bianchi handed to the NRA and call it the International Action Shooting Confederation. When a man will buy himself a \$2,000 Super .38 with a GI can on the front of it and use the lightest possible load to get an advantage over somebody else in order to win a match, he has certainly lost track of why he is in that match. If you ask him he'll deny that and say he's in that match to win cups. "That's fine, why don't you win cups at frisbee, because this way you're setting a bad example and teaching the wrong things."

Your book *Master Tips* has given people the idea that they should do things wrong. There are pictures in your book of people waiting for the start signal with their eyes on their gun. That is not what you look at, you look at the target! The only reason you shoot is because somebody is trying to kill you. If you're looking at your pistol how do you know what he's doing? And you don't take your eyes off your target when you load. You don't "look it in." Since the target isn't shooting back, you can get away with it—in matches. But when you're in a fight, you shouldn't take your eyes off your adversary.

CONVERSATION

with a Champion

By Jon Winokur

Talking to Jeff Cooper about practical pistolcraft would be like talking to Abner Doubleday about baseball or James Naismith about basketball, except that there's some doubt whether Doubleday and Naismith actually originated the sports they're credited with. No such doubt exists with Cooper and practical shooting; although he's quick to acknowledge the contributions of Jack Weaver, John Plähn, Elden Carl, Ray Chapman and others, Cooper conceived, developed and popularized the modern approach to the defensive use of the pistol. But Cooper would probably find the comparison to Doubleday and Naismith invidious; for him, pistolcraft is not a game but a deadly serious business, and he has long since parted company with those who view the handgun primarily as an instrument for winning trophies. Nevertheless, his work has influenced generations of "gamesmen" and "martial artists" alike.

A retired Marine officer who saw extensive action in the Pacific during World War II, Cooper has published books and essays on a variety of subjects, including the classic "Principles of Personal Defense" and "Cooper on Handguns." He is the founder and



Jeff presiding as Match Director at a Southwest Combat Pistol League shoot.

I understand that your book is directed toward competition, but I'm saying that you can't separate practical competition from self-defense. The first time I heard the expression "street gun" I thought, "What other kind of gun is there?" That's when I first learned that people were building weapons that were no good on the street but were designed to win matches. In that case, the organizers of matches are not presenting a proper challenge. If you can win a match with a weapon which is not designed for the street, it means the match is wrong.

It takes a lot of imagination to design a proper match, but more importantly, it requires a "command" personality. You can't put these things up to a vote, which is what the clubs have been doing. How would you think you'd come out if you were to put the rules for motor competition up to the drivers? That's not what it's about. When a man is a competitor he should not make rules.

Going back in the history of English weaponry, which I've been reading about recently, they decided during the reign of Henry VIII that a competitor competes. At such time as he stops competing and becomes a master, then he can make rules. They understood that a competitor rules for himself rather than for the good of the discipline.

I find what people have done with the discipline annoying. It has perverted my purpose in life. I try to keep polite about it, but I find it difficult to suffer fools gladly. I've been told by my friends at the NRA that I'd better learn to compromise or see nothing accomplished, but I find it very hard. It may be my military background. You've heard the old phrase, "Lead, follow, or get out of the way." I find that I can lead well; I find that I'm a good subordinate; but I don't collaborate well. Rather than mix your views with mine, I'd

rather the two of us sat down, came to a consensus and both of us used that, whether it's mine or yours.

JW: *Let's turn to another controversial subject. What's the current status of the Bren 10, and precisely what is your involvement?*

JC: As to its current status, it's difficult to say. I have two of them, a presentation model and a field gun which is now in Alaska but will be coming down here in a couple of weeks. The gun is extremely stimulating to use—it's one of those things you can't describe; you have to go and do it.

Whether you can buy one from the current manufacturer I cannot say and I don't know. I got a call last week from Harlene at the factory saying all is well. But I've been told that before. I have no money in the operation, consequently I have no leverage. I've stayed well clear. People call me up in despair saying, "Jeff, can't you do something?" And the answer is "No, I can't do anything. All I did was put the gun together conceptually. I put the necessary blocks in place; I did not design it."

Most of what I've done in my life has been eclectic—taking the best ideas of other people and putting them to use—and I'm not going to apologize for that because I think it's one way to make progress. Whit Collins invented the cartridge by taking a .30 Remington case and putting a .38-40 bullet in it. The Czechs took the Pettit designs from France and put a few Browning features in, and their designers at Brno designed the Czech 75, which is the best of the 9s. It was my idea to put the 10mm cartridge in the Czech design. Tom Dornaus, an engineer who had been with Pachmayr, put the drawings on paper. I'm not an engineer, I'm a conceptualizer.

JW: *In the absence of the Bren 10, what*

Action in which a pistol is involved is always unpredictable—there's no such thing as "light duty" and "heavy duty" for a pistol. Well, the point is this: I live out here in the open and I wear a full-size steel gun. If I'm in a situation where I have to be very compact, cutting everything down, where everybody's going to be restricted to 10 pounds of luggage for the next six months, then I'll go to a lighter, more compact weapon like the OM.

JW: *What kind of shooting do you do these days?*

JC: Not enough. Whenever I'm not otherwise involved I try to get down to the range and shoot some, but I don't shoot nearly enough. I try to shoot a little bit for each class, partly because students like it, but mainly because certain things are difficult to explain but easy to demonstrate, like the rhythm on pairs. If I can hear the student shift his target, he's doing it wrong. I shouldn't hear, "one-two, pause, one-two, pause, one-two." I should hear, "one-two-three-four-five-six." I can talk until I'm blue in the face, but I can teach it better by doing it.

And for some reason I can't understand, students have difficulty with the braced positions in long range shooting—the prone and the kneeling—so I often do that to show them what can be done. They struggle at 25 and I'll go out and shoot at 200 to show them it can be done.

But I don't shoot as much as I should. I've been having a lot of fun recently with the Scout project, and I guess I've shot rifles more in the last few months than I have pistols.

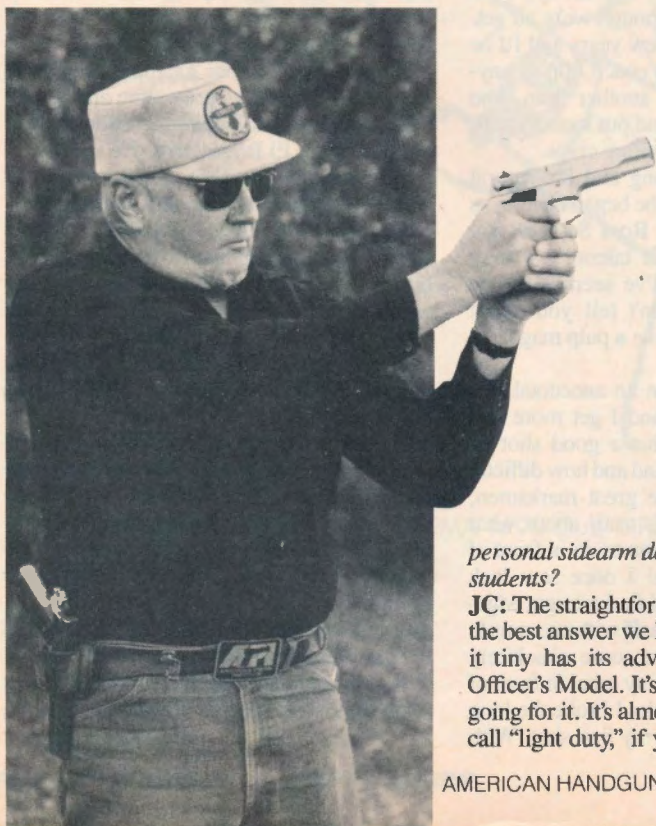
One thing, I do a lot of cavalry charges on my "tricycle" (ATC). I have a steel gong set up between the north range and the south range, and since I have to roar back and forth when we're running two classes, I try to see how fast I can go and still hit that gong when I go by it. I can get up to about 40 miles an hour, but then I have trouble making the turn. We have a verse out there that goes, "Here lie the bones of Uncle Ern, He hit the gong but missed the turn."

JW: *You've long been a proponent of the large automatic for self-defense, but if you had to rely on a revolver, what would it be?*

JC: A number of years ago we made a gun up for the San Diego Sheriff, a dyed-in-the-wool revolver man who felt that anybody who would hold an automatic in his hand would spit on the flag. We found him one of the older models of the Smith .44 Special—the one on the big frame but without the rib. We gussied it all up, got it properly tuned and set-up with a five-inch barrel. Elden (Carl) worked over the action, built the Sheriff a set of custom stocks, and loaded him up a thousand rounds of 240's that left that five-inch barrel at just a hair under 900 fps. That's as good a wheelgun as you're going to find for defensive purposes. If I were stuck with a revolver, I'd use that.

JW: *Let's talk a little about the early days of practical shooting. Can you point to a moment when it all began?*

JC: The doctrine began in 1956 at Big Bear [California] when I set up the first Leatherslap. As far as I know, it was the first match



personal sidearm do you recommend to your students?

JC: The straightforward five-inch Colt .45 is the best answer we have at this time. Making it tiny has its advantages, and I have an Officer's Model. It's a good gun and has a lot going for it. It's almost ideal for what I would call "light duty," if you can apply that term.



The "kiss technique." Jeff shoots this way to demonstrate the negligible recoil of the .45 ACP. Jeff presented the original picture to Combat Master Elden Carl.

of its kind held anywhere in the world. It was unrestricted as to technique, as to weapon, as to caliber, as to holster, as to profession. It was a straight quick-draw match—just draw and hit a King Kong target at seven yards. It was all pretty primitive, but it was the beginning.

We had so much fun we didn't want to wait until the following year to do it again, so we organized the Bear Valley Gunslingers and began to hold matches once a month. Now, those matches were in no way fair, because they were dreamed up by the guy who put them on and he usually won his own match. He made up the rules as he went along. Then Jack (Weaver) began putting on matches at Palmdale and he usually won them—but we would give him a scare now and then.

John Plahn was a key figure in this story. He had advanced degrees in physical education, was a teacher and a member of the Sheriff's department. Up to that time, none of us thought about *how* we did it. John came along with little or no previous shooting experience and said, "I can figure this thing out in one year." We all laughed. We figured it would take at least five years of shooting to get to be as good as any of us. Well, he studied Jack, he took pictures of Ray (Chapman), he found out where the wasted motion was, where the points of pressure were. He determined the easiest and most efficient way to move from point A to point B. He reduced it all to a workable body of knowledge and thereby made the single greatest contribution of anyone to the existing discipline.

JW: What about Elden Carl?

JC: Elden was a thunderbolt, a magnificently coordinated athlete. Anything physical, Elden could do better than anyone else. He took up the motorcycle and was riding motocross in Mexico within a little while; he was a great pool player; he picked up the harmonica and learned to play that in six months; ballroom dancing; entertainment singing—Elden is a phenomenon. I've always been amused by that because though we're all getting old, take us back a few years and I'd be happy to take Elden and coach him at anything you want against another man who starts at the same point and put money on it, from weight lifting to shooting craps.

Well, Elden came along and his natural talents were so great that he began beating us all. I would say he and Ross Seyfried are probably the best natural talents I've ever seen. There are things I've seen Elden do with a pistol that I won't tell you about because it would sound like a pulp magazine writer.

I'm slowly working on an anecdotal history of marksmanship, and I get more and more confused about what a good shot is. What can you do on demand and how difficult is it? If you took all the great marksmen, you'd find that the God's truth about what they've done, and been seen to do in front of audiences, is impossible! I once saw Jack Weaver turn a corner and find a target edge-wise to him and saw it in half with one round. I've seen Thell Reed do some absolutely incredible things. And in my case, in front of an audience of 1500 people, I broke the long balloon at 142 yards with my first shot. With

my second shot, from the waist, I split the bullet on an axe blade and hit two targets beyond it. That's the kind of thing you shouldn't mention too much because it makes you sound like a liar. But the fact is those things did happen.

I'm closer to my 66th than my 65th birthday, and I could write down a list of 50 individual shooting exploits that I actually have done. If I wrote them down in a column, I'd be the biggest liar in history.

I'll give you another example: they took Ross Seyfried, who's a great shot, and bought him a warehouse-full of ammunition and had him just shoot El Presidentes. He was under no pressure and he shot all afternoon. He finally shot a 59 in 6.2 seconds, which comes out to about 165 points, 65 points over par. Now, I'm not saying that Ross didn't do that, but you see, he had nothing to lose by going as fast as he could. He must have known that sooner or later, going as fast as he could, being a very fine shot—as I say, probably the best shot now shooting—he would get a record score.

JW: For a couple of years after the first *Leatherslap* in 1955, Jack Weaver shot it from the hip like everybody else. Then, in 1958, he decided shooting from the hip was too unreliable and devised what is now known as the *Weaver Stance*. What are your recollections of Jack?

JC: I always put him at the top of the list as the guy who taught us all how to do it. When I first saw him shooting two handed, it didn't seem sensible to me. My immediate reaction

Continued on page 65

MASTER TIPS

Collected by Jon Winokur

Sighting-In

After you've chosen the specific load you intend to use, sight-in your gun first at 50 yards. Use your steadiest shooting position, not a bench rest; the results will be more realistic and closer to match conditions.

When you're satisfied with your 50 yard dope, sight-in for 25 yards. Only the elevation should change; windage should remain the same.

If you use different brands of ammo or a variety of handloads and you want pinpoint accuracy, you'll probably have to re-sight your gun for each load.



FRED ROMERO III, NRA High Master, PMA 1490 Club, NRA President's 100, Winner, 1982 Bianchi Cup Practical Match.

Our local club recently started N.R.A. sanctioned Hunter Pistol silhouette matches. When it was announced that we were starting these matches, many wondered what is the best pistol and caliber for the competition.

The answer is the Thompson Center's Contender in the .357, .41 or .32-20. Of these three, the .32-20 is the best choice. Larry Weir, Albert Turner, Dan Wagoner and Ronnie Carroll, who took the first four places in the N.R.A. Nationals and Elisabeth Barrington who took top honors in the ladies competition, all used the Contender in the .32-20, which speaks rather well for this relatively new caliber in the Contender barrel.

The next question usually asked was what load should be used, which brings me to the reason for writing this article: lack of information on T/C's .32-20 Contender. Since its rediscovery a few years ago, its popularity has skyrocketed with the silhouette crowd. Because of its mild recoil, the shooter can use a rifle scope.

The .32-20 Contender can be extremely accurate in the right hands. Here are some loads I tried before going on to further experimentation.

Powder	Charge Weight	Bullet*	Velocity
Unique	4.2 grs.	110 gr. HP	1000 fps
Unique	6.0 grs.	110 gr. HP	1476 fps
2400	9.0 grs.	110 gr. HP	1246 fps
2400	11.5 grs.	110 gr. HP	1700 fps
4227	13.0 grs.	110 gr. HP	1720 fps
4227	15.0 grs.	110 gr. HP	1984 fps

*Speer 110 gr. HP should be seated to 1.68" OAL
Sierra 110 gr. HP should be seated to 1.90" OAL

Working up loads for a .32-20 Contender, the author reveals a gripping story about effects on accuracy.



Working up loads for the .32-20, the author discovered the forend and grips on his Contender affected accuracy to a great extent.

Working with Winchester brass, I found that new cases measure only 1.280" so you should fire them several times before trimming them to 1.285".

After trying these loads, I found several which worked well but the loads with the best accuracy were not suitable for the Short Eye Relief scopes most silhouette shooters use. Or with some loads like 12 gr. of SR 4759 you find the recoil is manageable, but case life is shortened by 50%—even though there are no signs of high pressure.

My search continued. Then I was introduced to Winchester's 452AA powder. You should start loads at 5.3 gr., working it up

1.910" OAL and with the exception of 5.3 gr., the 1.90" OAL was the most consistent. At 5.5 gr. the recoil is light so that is the load I chose. This load clocks at 1127 fps with a Sierra 110 gr. HP

My shooting partners have found that 5.7 gr. and 5.3 gr. shoots best for them. I use 110 gr. Sierra, but have found that the Speer 110 gr. HP shot consistently well at 25, 50 and 75 yards, but opened up a little more at 100 yards. Using different primers has not shown any significant differences. All of these rounds were fired in Winchester cases.

Also tried were some .30 carbine cast bullets .308, 115 gr. with gas check at 75 yards

.32-20

By David A. Slye

For Hunters Pistol Silhouette



110 grain bullets emerged as the best from both Speer and Sierra.

carefully to 5.8 gr. You can use either Speer or Sierra bullets in 110 gr. hollowpoint.

Since the hardest target to hit is the turkey at 75 yards, the load was tested at that distance. A charge of 5.5 gr. of 452AA with Sierra 110 gr. HP, CCI 500 primers, shot the best group at .843". Then the load was tested at 50 yards and 100 yards. At 50 yards, 5 rounds shot into .343" and at 100 yards, 5 again into 1.4375". 5.3 gr. seated to 1.910 OAL at 50 yards shot the tightest group, .125" but at 75 yards and 100 yards it opened up more than the 5.5 gr.'s. Different seating depths were tried starting at 1.850" through

using 9.8 gr. of 2400 with a 5 shot group of 1.375.

All tests were fired in T/C's Contender weighing in at just under 4 lbs. with a 5x Burris Scope. When I decided to change scopes for a 7x Burris IER 2" DOT PA the Pachmayr grip put me overweight so I put back on the T/C wood grip. This change led me to a startling revelation.

While shooting a Contender over the past year in .41, .223, .22 and .32-20 in a 10" bull barrel and a 6.5 mm in the 14" bull barrel varying results were noted. The erratic

Continued on page 63

Off-the-shelf ACCURACY



Discover PMC Pistol Cartridges— superbly accurate factory ammunition



Officer John Pride,
Firearms Training Instructor, L.A.P.D.

- 1985 Canadian National Police
Combat Champion
- 1986 National Municipal Police
Pistol Champion

Compare the accuracy of PMC pistol cartridges to any other factory ammunition on the market, and you'll see why we say it is among the best you can buy. There's a reason for the superb accuracy of PMC... consistency. Our cartridges are as nearly identical as we can make them. In fact, if you chronograph our ammunition you'll get incredibly low Standard Deviation scores, because the difference in velocity between cartridges averages less than 2%. That's outstanding consistency by anyone's standards!

Of course, the quality of individual cartridge components also has a strong bearing on accuracy and performance, and that's another PMC plus: You won't find higher quality components in any other ammunition. Whether you're a hunter or a competition shooter, consistent accuracy is the name of the game. That's why more and more well-known shooters like John Pride are switching to PMC—they've discovered it's a super performer! Pick up a box and find out for yourself.

PMC/PAN METAL CORPORATION

4890 S. Alameda St., Vernon, CA 90058

PMC means PRECISION MADE CARTRIDGES



THE MASTERS

INTERNATIONAL SHOOTING CHAMPIONSHIP

Sound the bells, summon the village crier, let the word go forth. The Master is the all-around greatest handgunner in the world, a man capable of excellence in the three basic disciplines of competitive handgun shooting.

The Masters International Shooting Championship unites the sports of bullseye, silhouette and action shooting in a unique pro-am venue in which competitors shoot three handguns in three events. The events are Long Range (silhouette), Precision (bullseye) and Action (IPSC). Rules come from the three sports governing the firearms and procedures with minor variations added by The Masters. Shooters can use an optical sight in one event only.

The Masters is a catalyst to merge diversity of skill, diversity of discipline, diversity of background. From 14-

year-old Joe Co to 67-year-old Jim Bates. From eight-time bullseye National Champion John Farley to four-time IPSC National Champion Rob Leatham. From IHMSA National Champion (standing) Carter Jones to Bianchi Cup Champion Riley Gilmore. From greenhorn novice to consummate professional. The Masters is the Bismark of handgunning, the great unifier.

In addition, The Masters attracts those handgunners who have not yet competed in major state, regional or national matches by establishing a pro-am division like in golf and tennis. The Sportsman class is for shooters who A) have never finished in the top 25% of a major tournament and B) have won less than \$100 in shooting competition.

The Professional class is for money winners and top finishers in recognized tournaments. The discipline is

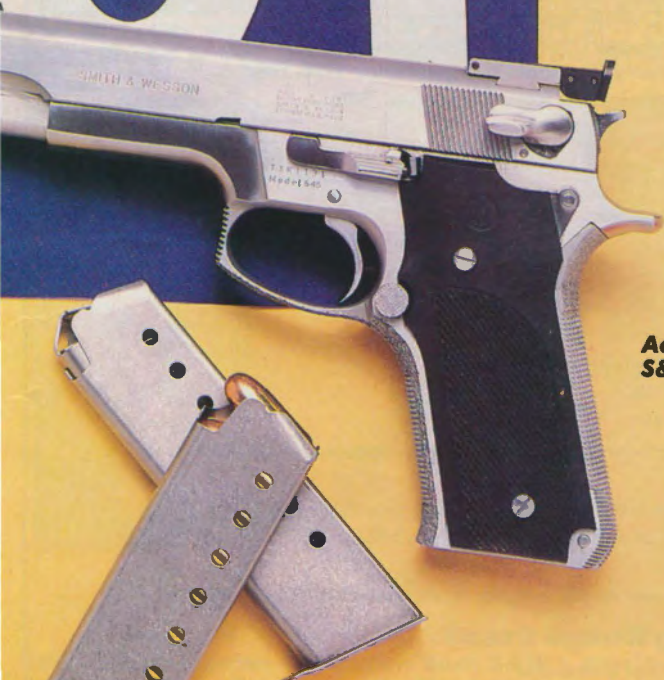
By Cameron Hopkins



Precision Event
S&W Model 41, .22LR



Long Range Event
S&W Model 629, .44 Magnum



Action Event
S&W Model 645, .45 ACP



irrelevant—if you've performed well at Camp Perry or IPSC or IHMSA, you're a pro.

Of the 117 registered contestants, 30 entered in Pro class and the rest in Sportsman.

The guns ranged from out-of-the box to exotic custom. From a jazzy 14-inch barreled Desert Eagle semi-auto .357 Magnum to a McMillan glass stocked XP-100, 8 ounce trigger, in 7mm Bench Rest. A 1912 Steyr, Austrian army issue, with bluing worn and surface pitted competes against a shining, full-house Colt .38 Super Wilson Accu-Comp. A \$1,500 Hammerli International .22 rimfire with Aimpoint 2000 scope shoots against a \$150 Ruger Mk. II bull-barreled, stock plinker.

The Masters is a county fair of sport shooting in the Eighties. The match takes place not on a shooting range, but in a shooting *park*. The Pike-Adams Sportsmen's Alliance near Barry, Ill., has created a pastoral setting for the four day match. Towering oak trees shadow the range as neatly cropped lawns sprawl before manicured firing stations. A pond between the silhouette range and the action range ripples gently in the cool breeze as farm ducks quack and geese honk. Children fish in the pond while their parents compete in the match.

This is a family shooting festivity.

Illinois Governor Jim Thompson swooped in aboard his jet helicopter for a special challenge match against S&W president Lee Deters (the governor won). The Illinois legislature, prompted by Rep. Tom Ryder, passed a resolution praising The Masters and its major sponsors: *Smith and Wesson, American Handgunner, Winchester, Simmons scopes and Rolex watches.*

Yes, the state that brought you Morton Grove now has passed a bill through its legislature saying in part: "... The Masters upholds the intent of the Constitution of the United States and the Constitution of the state of Illinois, which guarantee the people the right to keep and bear arms ..."

Obviously, the good people of Illinois do not share the warped view of that perverse minority in Morton Grove.

Obviously, the good people of Illinois enjoy shooting and the recreational use of firearms. Despite the location in the backwoods, The Masters saw 3,500 spectators pay to watch the shooting. Consider—the nearest town of Barry has a population of some 900 people. Many of the spectators, we may assume, drove some distance to share a day of exciting sport shooting with their families.

Perhaps the most significant aspect of The Masters is its commitment to stimulating new interest in competitive handgunning by attracting casual shooters to a major match. The Sportsman class featured a daily shoot-off for the *lowest* 24 finishers for—get this!—a cash prize of \$1,000. Pros were ineligible for this as were top guns in Sportsman class. The winners were quickly dubbed "the best of the worst."

Sportsmen enter for half the fee of Pros and compete for half the prize money. First Place Pro, for instance, takes home \$5,000 in cash while First Place Sportsman pockets \$2,500. No small potatoes, even in Sportsman class.

Sportsman class pays cash prizes down to 40th place. In addition, each of the three events offer separate prize money (starting at \$1,250 for first) for placement in the individual stages. A Sportsman who blows out in, say, the Action and Long Range Events can still rake in some dough in the Precision Event.

Needless to say, the Pro class also offers cash. Lots of it. The Professionals compete to win double the amount of Sportsmen. Then again, they pay double the entry fee.

The Master received \$7,500 in cash and a specially engraved Rolex watch valued at \$1,500. Of course the Master picked up a bit of "stage money" in the process. A paltry two grand, as I recall.



IPSC World Champion Rob Leatham was on a roll in the Long Range Event until the bolt-stop on his XP-100 broke. The bolt sailed back six-feet as Rob snapped the action open to reload.

ANATOMY OF THE MASTER

Wayne Bowker

Precision Event

2600 Club
NRA Distinguished
New York State Champion, 1976, 1978
Pennsylvania State Champion, 1975, 1977
Indoor Civilian National Champion, 1979
Civilian Expert National Champion, 1976
Camp Perry National Championships, 1976-1980
California Indoor State Champion, 1986

Action Event

Bianchi Cup
1980: 19th
1981: 19th
1982: 24th
1984: 16th
1985: 11th
1986: 24th
Steel Challenge
1984: 28th
1985: 34th
1986 California Action Shooting Championship: 2nd
IPSC
New York State Champion: 1981 and 1982
Great Lakes Section Champion: 1982
IPSC Nationals: 1981, 1982, 1983
Southwest Pistol League: Record Holder, "Stop n Rob"

Long Range Event

never shot silhouette



1986 Second Chance bowling pin champion Ken Tapp hoses down the plates in the Action Event. Ken's shooting a custom Colt .45.



Pat Sweeney slapped a scope on his IPSC Colt .45 auto for the Long Range Event. He shot well despite the rainbow trajectory.



Illinois Gov. James Thompson beat S&W's president Lee Deters in a special challenge match. The governor shoots a S&W M-41.

The Masters offered a total of \$85,000 in cash, more greenbacks than any other match to date. (Yes, the Steel Challenge has a larger purse, but that purse is comprised mostly of merchandise, not cash.)

Three disciplines, three handguns.

Does the precision inherent in bullseye produce The Master?

Does the finesse inherent in silhouette produce The Master?

Does the versatility inherent in IPSC produce The Master?

Or is The Master a mixture, a man equally adept at all three?

The 1986 Master is an IPSC and bullseye shooter who has never fired a round in silhouette. He had never even heard of the Creedmore position until three weeks before the match. Apparently skills acquired in IPSC and bullseye are sufficient to carry a proficient shooter through long range shooting.

The Master is Wayne Bowker of Long Beach, Calif.

Wayne's competitive shooting began the traditional way with bullseye. As can be seen in the accompanying box *Anatomy of The Master*, Wayne turned to IPSC and action shooting in the early '80s after participating actively in bullseye in the '70s.

"There's no doubt in my mind," The Master reflected, "that if you can shoot bullseye, you can shoot anything."

The 37-year-old father of twin boys said the Long Range Event was the most difficult because it was alien to him.

"It was very refreshing, it was a real challenge. The bullseye wasn't a problem, but the Long Range—I didn't even know what the Creedmore position was!

"I shot it incorrectly, as a matter of fact," the soft spoken Master continued, "They told me later I was supposed to put my elbow on the ground. I just kept my arm straight and locked like in IPSC."

He borrowed a stock XP-100 from a friend. His XP favored a load of 30 grs. of WW 748 under a 145 gr. Speer boattail. A Williams rear sight was the only addition to his factory XP.

Wayne selected the Precision Event for the one-stage-only optical sight. He mounted an Aimpoint 2000 on a 7 $\frac{3}{8}$ " S&W Model 41 with Herrett "trainer" stocks shooting CCI Green Tag ammo. He explained the bright red dot of the Aimpoint "adds about 10 targets to my score."

For the Action Event, Wayne shot his IPSC Colt .38 Super customized with all the bells and whistles by Dick Crawford. His load was light, 3.7 grs. of WW 231 under a 158 gr. Hornady lead bullet.

Editor's Note: American Handgunner is extremely enthusiastic about The Masters. We will be running a continuing series of articles about The Masters including a more detailed profile of Wayne and how he won The Masters in a future issue.

The Masters proves that pistolsmithing is a thriving art in America. Lord, but there was a dazzling array of wild and wonderful guns!

The innovative handguns surfaced in the Long Range Event. The Precision Event was fairly staid with Model 41 Smiths dominating and Mk. I Rugers also making a good showing. Surprisingly, there were very few expensive European target .22s. The Action Event attracted a preponderance of Colt .45 autos with a sprinkling of .38 Supers and a handful of wheelguns.

The unanimous vote for Gamiest Gun has to go to a scratch-built hand-rifle of ungainly proportions (see accompanying photo). Starting with only a Sako A-II action, gunsmith John French fitted a 15" stainless barrel in .308 Win. (That's .308 as in .308 rifle cartridge, not

the .308x1½.) A Burris 4X scope provides a sighting system.

The Sako action was modified to accept a 10-round M-14 magazine. The Long Range Event has portions calling for 10 rounds in 90 seconds, 9 seconds per shot, urging a shooter to reload rapidly. The box magazine is obviously faster than single-loading.

A Timney trigger set at 1½ pounds makes good trigger control possible.

The frame is milled from a chunk of aluminum in an awkward shape resulting from the weight limit of 4½ pounds (less scope). The gun tips the scales at 4.49 pounds and sports the ticket from a butcher's scale, on which it had been weighed, to prove it.

How does the .308 hand-rifle shoot? Owner Kerby Smith said, "It's a pussycat. Once you've shot a .454 Casull (with full power loads), it's nothing." Accurate too, Kerby boasted.

However, this Star Wars gun was unusual. Most competitors drug out IHMSA unlimited guns. There were some other strange ones, though, as the accompanying photos illustrate.

Take Jim Fullwood's 14-inch Desert Eagle autoloader in .357 Magnum. Fitted with a Burris 3X scope and firing a load of Blue Dot powder and a 180 gr. Sierra bullet, the Desert Eagle fared well in the Long Range Event. How does she shoot? "We get three-and-a-half inch groups at 200 meters on a good day," said the native of Kennesaw, Ga., but he added with a grin, "Some days we get three foot groups!"

I must confess that Jim's Desert Eagle shattered a prejudice of mine. I should not judge on preconceived notions, but I admit to thinking the autoloading .357 Magnum is inaccurate and unreliable. And too impotent



A custom hand-rifle, above, with a Sako All action and M-14 magazine. It's in .308. Below, Creedmore position stabilizes a custom XP-100 in 7mm IHMSA with fiberthane stock, Bo-Mar rear sight, Bond front hood and Shilen trigger. Among the guns of the Long Range Event, right, from top to bottom, is a 14-inch Desert Eagle .357 Magnum. Then an Ultra Light Arms 7mm-08 in a Kevlar/graphite stock with Leupold 4x scope. Owner Ed Williams says it was built in a week-and-a-half and designed over the phone. Next is an Andy Cannon S&W M-29 with 11-inch barrel and compensator. The Fajen stocked XP in 6mm was declared illegal with two vertical grips. It has a 15-inch Wichita Premium barrel.





for 200 meter knockdown targets. I learned the Desert Eagle, as outfitted by Jim, is both accurate and reliable. I suspect we all fall prey to judging guns based on preconceived ideas, but Jim's .357 auto proves the pie may be tasty even if the crust is soggy.

And then there are guys who make do with what they got. Dance with who brung ya. Pat Sweeney of Redford, Mich., doesn't have a special long range handgun, so he gave this dance to his trusty .45 ACP Colt Government Model. What, an IPSC pistol at 200 meters? Sure, Pat just slapped on a Tasco 3X scope in a Clark grip mount and went to town. You don't have to own three tricked-out guns to shoot The Masters.

Mike Milodragovich of Missoula, Mont., showed us wheelgun technology is alive and well, thank you. He competed with an Andy Cannon customized Model 29 in the Long Range Event. Mike's Cannon Custom sports an 11-inch Douglas Supreme barrel fitted with Cannon's compensator. A Leupold 2X scope in Weaver rings is mounted on the top strap. The slick 29 gave Mike a competitive edge with Cannon's unsurpassed action work resulting in a butter smooth SA pull. Pachmayr grips provide a handle.

Then again you can bring your hunting handgun to the way-out-there event like Denny Ridenour of Grafton, Ill. He's killed five pronghorn and two mulies with his Fajen stocked XP-100 in 6mm with a Redfield 2.5X scope and Wichita premium 15-inch barrel. His Timney trigger set at eight ounces touched off 48 grs. of IMR 4831 under an 85 gr. Sierra BTHP. He added some dead steel plates to his trophy tally.

Handgunner columnist Rob Leatham called on Terry Walker of Gryphon Gunworks to build him a McMillan glass stocked XP-100 in 7mm BR with a 13-inch fluted barrel. He uses Bo-Mar iron sights on his long range gun and shoots a 120 gr. Hornady bullet at 2245 fps.

Rob's bullseye gun is a Clark custom Ruger Mk. II with a 5½ inch Douglas barrel. He uses his one-event-only optical sight here, an Aimpoint 2000. His Action gun is his namesake, an Accu-Comp LE (Leatham-Enos) in .38 Super.

Jim Clark Jr. of Louisiana, introduced Clark's new compensator in the Action Event. A refinement of the old Bowling Pin Model, the new comp is called Pin Master and features an effective expansion chamber with a unique sloping front face angled to direct the gases up and to the front. Chambered in .45 ACP, Jim's Clark Pin Master fared well in his capable hands in the Action Event.

Curiously, the Cajun pistolsmith selected a stock, out-of-the-box XP-100 for the silhouette event. He slapped a Leupold 4X EER scope on top, but otherwise left the Remington single shot alone. What, no trigger job? Nope, Jim said the stock trigger at 2½ pounds was just fine. The fact that one of the nation's top pistolsmiths left this gun alone seems to prove, "If it ain't broke, don't fix it!"

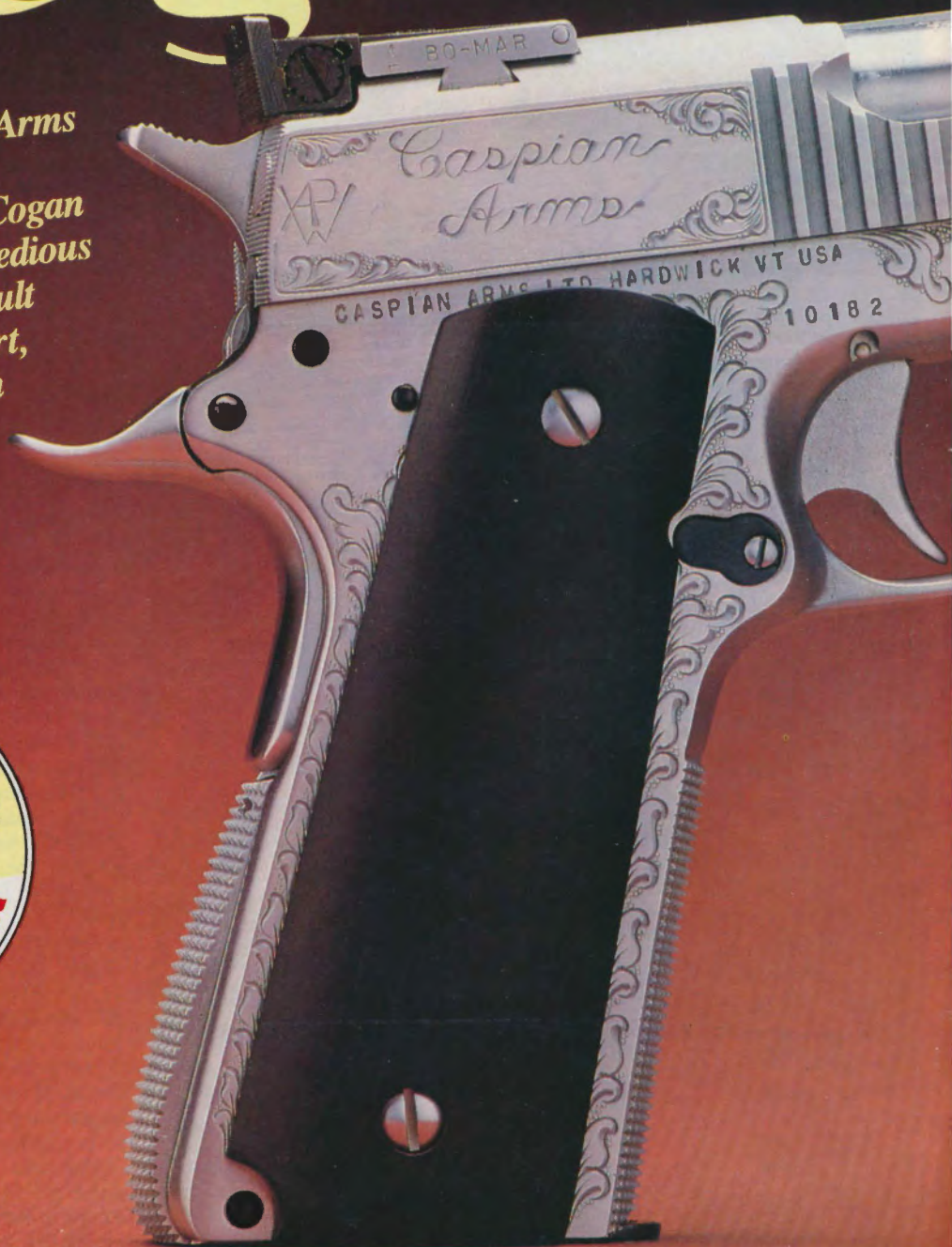
The author is an unabashed gamesman and sought a refined scope for his Model 29 in the silhouette stage. The .44 Magnum trajectory calls for lots of hold-over at 200 meters (with a 100 meter zero). The 250 gr. Sierra bullet at 1800 fps drops 25 inches out yonder at 200. The tight time limits prohibit sight adjustments during the course of fire. You cannot pre-set your sights because targets are engaged at varying distances during the 90 second strings.

Hmmmm. The solution, it appears, is a scope with a reticle pre-set for bullet drop. Off went a Redfield 2.5X to Premiere Reticles, a custom reticle maker well known among benchrest shooters, for a standard crosshair with two dots beneath the horizontal wire for

Continued on page 61

You can win a Cogan

Starting with a Caspian Arms Government Model, custom pistolsmith Bob Cogan works his magic. Many tedious man-hours later, the result is a functional work of art, a super shooting .45 with a glamorous finish!



Custom .45



This *American Handgunner* Giveaway Gun is a Special Edition Cogan Custom Speed Comp constructed on a Caspian Arms frame and slide and engraved by John Adams.

This .45 ACP pistol is donated to the *American Handgunner* and a lucky reader by Accurate Plating & Weaponry Inc. and Caspian Arms Ltd.

The Speed Comp system installed on this pistol is the end result of four years of research and development. Extensive comparison testing of other well known compensator systems currently available was done in an effort to offer you, the discriminating shooter, the ultimate in accuracy, reliability and recoil muzzle rise reduction.

The Cogan Custom Speed Comp includes the following features: Slide shortened half-inch; Speed Comp System; 5-inch Match Barrel; low melt Bo-Mar rearsight; Giles-Clark adjustable slide tightener; hand checkered grip frame, mainspring housing, trigger guard and back of slide lined; special mechanical trigger system; Wilson beavertail grip safety; B&C extended mag release button; extended thumb safety; Ebony grips; Accurate Plating duraguard hard chrome finish. Total value is \$1583. Scroll Engraving of all flat surfaces of the pistol by John Adams, value \$450.

Interested readers can contact Accurate Plating & Weaponry Inc. at 1937 Calumet Street, Clearwater, FL, 33575, (813) 733-0923. Caspian Arms Ltd. at 14 North Main Street, Hardwick, VT, 05843, (802) 472-6454. John Adams, P.O. Box 167, Corinth, VT, 05039, (802) 439-5904.



TO ENTER CONTEST: Use a postcard, (no envelopes), follow sample; include your name and address; your answers; dealer name, address and phone number. Mail before April 1, 1987. Send to: AMERICAN HANDGUNNER, Dept. H3, POB 880409, San Diego, CA 92108. **Limit 1 entry per household.**

Do you plan to purchase another handgun in 1987?

☐ Yes ☐ No ☐ Undecided

Name _____

Address _____

City & State _____ Zip _____

HOM MARKET 1987 Phone _____

☐ (Y) ☐ (N) ☐ (U)

If I win, please ship my gun through the following dealer:

Dealer _____

Address _____

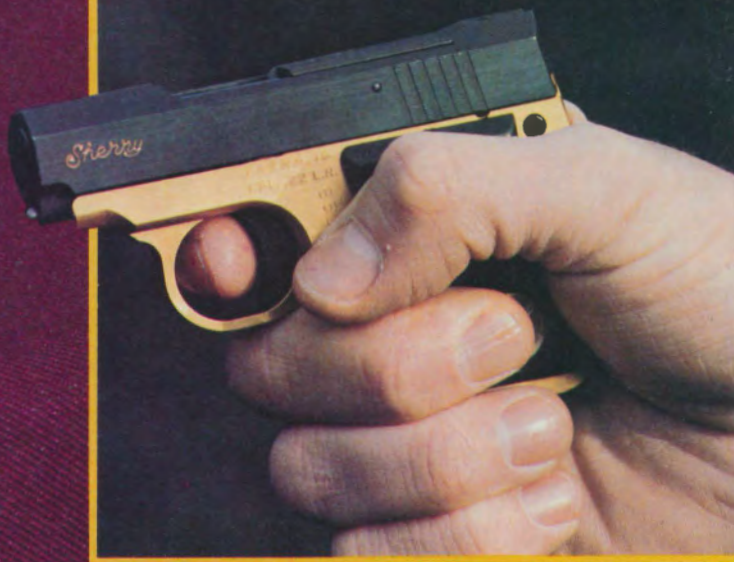
City _____ State _____ Zip _____

Phone #() _____ Store Hours _____ am-_____ pm

Contest void where taxed or prohibited by law. No purchase necessary. Winner must comply with all federal and local laws. Employees and agents of Publisher's Development Corp. not eligible.

Sherry:

A Designer Pistol



This .22LR pocket pistol (Calvin Kleins of course) features gold anodized finish and a sound design.

Wilkinson Arms, of Parma, Idaho, makes perhaps the finest 22 Long Rifle semi-auto purse pistol in America today. Their *Sherry* is a marvel of engineering and design sophistication, with features not usually found on small self-defense guns.

The pocket-sized company, best-known for their *Linda* semi-auto 9mm carbine, now makes minuscule weaponry which measures up to all tests. We were curious about how their *Sherry* stacked up against traditional micro-blasters like the Raven, Jennings and others, so we bought a test model from the only jobber offering this gun to dealers (Southern Ohio Gun Distributors, 105 E. Main St., P.O. Box 332, Lebanon, OH 45036).

We paid three times as much for our *Sherry*, at wholesale, as comparable .25 ACP pistols sell for, but we think the extra expense is worth it. The old saying "you get what you pay for" applies here, in spades.

The *Sherry's* frame is machined from high-strength aluminum alloy, as compared to the typical frame which is cast from "white metal" alloy without close-tolerance final machining.

The slide isn't cast of alloy, as found in many small-caliber autos, but is instead lovingly hatched from a block of steel by factory machinists. The six serrations in the slide, for example, are cut with such precision that you cannot detect a rough edge. Every tolerance and measurement we checked was as precise as found in high-tech military weaponry.

To enhance visual appeal, Wilkinson treats the *Sherry's* frame with gold anodizing, and steel parts with deep-luster bluing which comes out as near-black. The slide's top is matte-finished to reduce glare. The grips are black plastic with gold medallions, while the trigger and magazine release assembly are black-anodized aluminum. The contrast between gold and blue/black parts is striking and transforms the *Sherry* into a "designer" gun which competes with jewelry for good looks.

To cap cosmetics, the manufacturer engraves "Sherry" on each side of the slide's forward area, and fills it with gold. They also stamp their city and state, the caliber and the serial number into the frame's left side, just behind the trigger. The other side has "Wilkinson Arms," engraved in script. We feel the design is appetizing enough to attract many gun buyers.

Not apparent at first glance is the detailed thought which goes into the *Sherry's* design. In the area of "little touches," each grip has a raised forward ridge which mates with a fine groove machined into the frame; this allows one screw to hold each grip firmly in place without shifting.

On the slide, just in front of the rear sight, designers added a small hole which will vent gases upwards should a cartridge case fail, instead of allowing hot gases to travel back along the firing pin channel, then between the slide and frame, and burn the shooter's hand.

The closer one looks, the more design excellence one notes.

One welcome feature in *Sherry* pistols is the steel magazine's capacity: eight rounds, rather than the usual six or seven. You can also chamber a round, offering nine shots without reloading. A hammer-block, cross-slide safety allows carrying the *Sherry* with a



Sherry features petite recoil spring guide rod.



Lugs on barrel mate with grooves machined in frame.

round chambered.

Overall, the *Sherry* .22LR pistol is 4 1/4" long, 3 inches tall and .875" thick at its widest point (in the grip area). In short, it's only a wee bit larger than a pack of 100mm cigarettes. At 9 1/4 ounces empty, slightly more loaded, the *Sherry* won't drag down your pants or hem line when carried concealed.

The steel barrel's length is 2 1/8", with six-groove, right-hand rifling. This sturdy little devil, with wall thickness of nearly 1/10 inch, snaps into the frame via two lugs; the rear lug incorporates the feed ramp.

Like some sophisticated European auto designs (the Benelli B76, for one), the *Sherry* uses a bolt rather than the usual integral slide-mounted extractor, ejector and firing pin. The bolt is precision-machined from steel, and lifts easily out of the slide during disassembly.

Rudimentary sights are machined into the slide: a tiny bar in front matches a narrow

notch in the rear. They're difficult to acquire in a hurry or in low-light conditions, but this shouldn't matter with a point-and-shoot self-defense gun.

Disassembly is simple, starting with removal of a screw which goes through the slide's right side and holds the bolt in place. Retracting the slide slightly allows the bolt to drop out; moving the slide forward about an inch lets the barrel drop out; the slide now pulls off frontward and the recoil rod and spring pull free from the frame. This is basic disassembly for cleaning and with practice it takes less than 15 seconds.

FUNCTIONING

Here's what we learned from field tests, and shooting over our Oehler Model 33 Chronotach with Skyscreen III detector system.

CCI brand CB ammo, their HP-Short rounds and other such offerings won't cycle the action in this (or any other) semi-auto pistol. They aren't supposed to, by the way. It takes a certain amount of recoil force to slam a slide back far and hard enough so a fresh round can be picked up from the magazine.

CCI Mini-Caps also failed to cycle the *Sherry's* action, but we were able to chronograph them anyway with manual feeding. They clocked 386 fps average, with a lead bullet weighing 29 grains. This offers muzzle energy of about 10 foot-pounds (fpe), and would be a good round for in-home or short-range target practice.

Standard T-22 target-grade .22LR ammo weighs 40 grains, and clocked at 643 fps average in the *Sherry*. The muzzle energy of about 37 fpe isn't enough to stop a charging felon, but it's still a nice practice slug.

CCI Mini-Mag ammo, with a 36-grain hollow-point slug, clocked at 809 fps average, with muzzle energy of 52+ fpe.

CCI's ultra-quick *Stinger* 32-grain bullet crossed our chrono screens at 908 fps average, with energy of about 59 fpe. This is one of the best self-defense rounds available for .22 LR pistols.

Federal's *Lightning* ammo, hit 828 fps for an energy reading of 61 fpe. Another superb defensive round.

Winchester *Super Silhouette* ammo, with blunt-nosed 42-grain slug, wouldn't feed reliably in our *Sherry*. It's designed for revolver or rifle shooting, and shouldn't be used for self-defense auto pistols. It clocked at 664 fps, with about 40 fpe.

Winchester's *Super-Max* fodder, a new offering, clocked at 842 fps average and 62 fpe, not bad when you consider the .25 Auto's max energy of about 55 fpe.

With full-strength round-nosed .22 LR ammo we experienced no failures to feed in over 300 rounds. Accuracy was on the order of six-inch groups at 10 yards; not target-grade but OK for plinking or defensive shooting.

There's no suggested retail price for the *Sherry*, but based on dealer cost it should sell for about \$140. That's a bit much for a pocket .22 LR, but then the *Sherry* isn't run of the mill. Further information: Wilkinson Arms, Dept. AH, 26884 Pearl Rd., Parma, ID 83660.



AMERICAN HANDGUNNER

LIMITED EDITION RUGER GP-100 REVOLVER

**100% RUGER
Workmanship**

The **AMERICAN HANDGUNNER**, in celebration of its 10th Anniversary, and as a tribute to its readers, is proud to offer this most desirable presentation revolver.

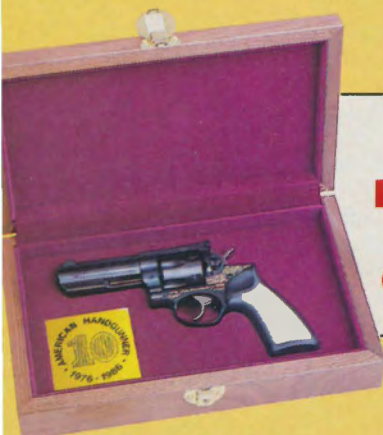
★ **GOLD FILLED AMERICAN HANDGUNNER LOGO AND SCROLL DESIGN**

★ **RUGER CUSHION GRIPS WITH SIMULATED IVORY INSERTS AND 10TH ANNIVERSARY SCRIMSHAW-STYLE LOGO**

★ **Exclusive! FACTORY UNFLUTED CYLINDER!**
(not illustrated on this prototype)

★ **HANDSOME WALNUT, FRENCH-FITTED CASE**

★ **.357 MAGNUM CALIBER**



**SPECIAL EDITION
LIMITED TO 1,000 GUNS
A SURE SELL-OUT
ORDER YOURS TODAY!**

Available only through Maryland Gun Works
2600 Frederick Rd., Hyattstown, MD 20871

American Handgunner and Maryland Gun Works limit liability to refund of deposit or purchase price in all circumstances including inability to deliver due to conditions beyond our control.

*10th
Anniversary
Issue*

**AFFORDABLE
SHOOTABLE
COLLECTIBLE!
ONLY \$549⁹⁵**

ORDER BLANK

**MARYLAND GUN WORKS
2600 Frederick Rd.
Hyattstown, MD 20871**

YOU MUST INCLUDE SIGNED FFL FOR SHIPMENT

Please send _____ (quantity) American Handgunner Limited Edition GP-100 Revolvers

Name _____

Address _____

City _____ State _____ Zip _____

FFL # _____

I am enclosing \$_____ (50% deposit required with order)

CREDIT CARD ORDERS CALL: (301) 831-8618

Charge my Master Card ☐ Visa ☐ American Express ☐ Check one

Number _____

Expiration Date _____

Signed _____

NOTE: Limit 2 guns per customer. Maryland residents add 5% sales tax.

Add \$10 per gun for consecutive serial numbers.

By Charles E. Petty

The 1986 Hunters Pistol Nationals saw National records fall like tenpins and provided drama on a scale rarely seen in the laid back world of silhouette shooting. The story will be told around campfires for generations to come: how Larry Weir shot the first ever perfect score and then the next day, with a broken hand, established yet another National record.

The NRA Hunters Pistol and Smallbore Hunters Pistol National Championships were decided at the Rowan County Wildlife Assoc. ranges in Salisbury, NC. There are four targets, fired at increasing ranges, which make up the course of fire. Fifteen shots each are fired at chickens (25 meters), pigs (50 meters), turkeys (75 meters) and rams (100 meters). The 60 shot course is repeated the next day to make the 120 point aggregate required to determine the National



Larry Weir posts the first clean score of 60x60 on his way to capturing the national crown.

Hunters Pistol Silhouette 1986 Championship

Champion.

Competitors in Hunters Pistol almost universally use single shot pistols with the Thompson Center Contender the runaway favorite. Over 95% of the shooters at the Nationals used them and an even larger percentage equipped the gun with some sort of optical sight. Leupold scopes were the most popular with Aimpoint second and everyone else a distant third. Most were rifle scopes which accounts for the rather unusual shooting positions used. There was no clearcut favorite caliber, but the leaders were 32-20, 22 Magnum, 32 H&R Magnum and 357 Magnum. Almost all ammunition was hand-loaded and many 32-20 shooters were using Sierra 110 gr. rifle bullets.

The word was out that Larry Weir of Dallas, Texas, was the shooter to watch, for he had easily won the warmup match and he was, after all, defending titles won in 1984 and 1985. The first day proved that he was, indeed, the man to beat as he proceeded to shoot a score (60x60) that many thought could not be done. Even though his shooting seemed almost effortless he came from the line each time drenched in sweat and once remarked to a TV reporter, "Don't let anyone tell you this isn't hard work."

All day long he shot at a rapid, rhythmic pace and dispatched 59 consecutive targets. The pressure must have been enormous for, when he raised the gun for the last target, a pig, the shot just wouldn't break and, when it finally did, the pig teetered on the stand for a long moment before finally toppling to the ground.

Later he told me he purposely delayed that

last shot so the crowd reaction would not disturb the other shooters. The consideration was well justified for, when the "game pig" fell, he was surrounded by cheering shooters all of whom seemed as happy as he.

All except one.

As Weir was leaving the line a competitor came forward to protest that, during the period while targets were being reset, Weir was sitting less than the suggested two steps away from his equipment. All day Weir had sat on a stool at the rear of the firing line between strings, head down, deep in concentration. The press of the crowd on that last stage caused him to move the stool forward a bit. Maybe he wasn't two steps away but he was as far as he could get. In the rule book the only requirement is that the shooter not handle his weapon and move away from the bench while someone is downrange.

The frivolous protest caused quite a stir. The word "chickenshit" was heard—loudly—and often. In fact, heated words were exchanged between the protester and some competitors and the chickenshit departed for parts unknown without filing a formal protest. But the damage was done. A moment that should have been one of triumph for Weir and a vicarious thrill for those of us fortunate enough to watch, was spoiled.

Still, the match was only half over and the topic of conversation became whether we might get to see another perfect score and an impossible 120x120. The next morning, however, the topic changed abruptly to whether Weir would be able to shoot at all. He came to the range with a broken little finger on his right hand. No, folks, he did not

break it on the protester's face.

The gallery was even larger when Weir went to the line the first time and they winced collectively with each shot. Even though he had borrowed a pair of shortened grips, he later told me that each shot was a bolt of pain fired up his right arm. He handled the gun awkwardly and had difficulty opening the Contender to reload. I watched every shot he fired that day and never saw him wince. He had begun the day with a four target lead, but everyone felt that it was a whole new ball game.

Well, it wasn't. In a performance that is probably unparalleled in shooting history, Larry Weir shot 58x60. While his closest competitors missed targets in wholesale lots, at least by comparison, Weir missed only one turkey and one ram. That gave him a two day aggregate of 118x120, seven points above the previous record. It also gave him his third consecutive National Championship a full ten points ahead of the nearest competitor. A movie script writer couldn't have done a better job.



1986 HUNTERS PISTOL

Open: Larry Weir (118)

Master: Jimmy Koon (102)

AAA: Jesse Lusk (104)

AA: Gary Dowell (97)

A: John Ward (85)

B: John Daniels (55)

High Senior: Thomas McCown (90)

High Junior: Raschelle Green (96)

High Woman: Terri Rensing (98)



SUPER SABOTS

By Joe Zambone

One way to increase bullet energy in any given caliber is to shoot a lighter-than-normal slug at higher velocities. This takes advantage of the ballistic law which states that projectile energy is the *square* of velocity, but is only directly related (one-to-one) to weight. This law is best explained by comparing the 9 mm round to the .45 ACP; despite weighing half as much as the lumbering 45 slug, the 9-mil's extra speed gives it comparable muzzle energy.

However, there's a practical limit to how light a bullet can be in, say, .44 Magnum caliber. A 125-grain slug would be shorter than it is wide, and as ballistically efficient as a light bulb. The solution is to use a bullet of about that weight, but with a smaller diameter for better flight characteristics.

R & R Sabot, Inc., of Danbury, Conn., makes a plastic sabot (pronounced say-bo)

collar for handloading, which cradles a .38 bullet and allows firing it in .44 Magnum weapons. The same principle is used in Remington *Accelerator* .30-cal. rifle ammo firing .22 cal. bullets, and in ultra-velocity, armor-piercing military ammo up to 6-inch bore.

The white R & R sabot weighs about 9.4 grains, is 0.592-inch long, 0.427-inch outside diameter, and has 0.037-inch wall thickness. A .070-inch diameter hole in the base allows powder gases to hit a tiny part of the bullet's base, promoting in-flight sabot separation from the bullet. Four slots, .025-inch wide, extend from the sabot's mouth downward for .070-inch; after leaving the barrel, the "petals" formed by these slots are peeled slightly back by wind pressure, and this "parachute effect" helps retard sabot flight to ensure separation.

What appears to be a simple item took

nearly six years to perfect, and is injection-molded from the world's most expensive plastic (as of March, '86).

"We tried every material we could find," said Read Turner, one of R & R Sabot's partners, "but they either self-destructed, melted or wouldn't take the rifling without shearing. We finally found this Valox-like plastic made by General Electric, but right now there's only about 1,000 pounds of it in the world, and it's really expensive."

Robert Betz, the other half of R & R Sabot, said prices should drop soon, because GE is tooling up to make several tons of the rare material. It seems VCR makers want to try it for gears in place of nylon, because the formula is extremely strong, self-lubricating under heat/pressure conditions, offers a 15-year shelf life, and has ceramic fillers which resist abrasion and wear.



Fired sabot opens with wind pressure and releases bullet. Note rifling marks on recovered sabot.

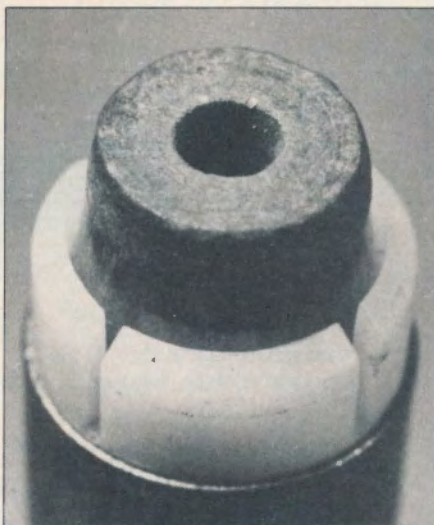


Sabots transform your .44 Magnum into a .357 Scorchers with screeching velocities over 2,000 fps!

"If VCR makers switch to this material," Betz added, "that will lower the price through increased production and we'll lower our prices too." A poly bag of 100 R & R Sabots now sells for \$9.99 plus shipping, a small price to pay for sizzling performance gains.

R & R Sabot offers reloading data for 158-grain cast bullets, but our extensive tests were aimed at determining how lighter and heavier bullets would perform. Some facts came to light before the first test round was fired. They warrant your perusal.

First, although the sabot collar is only .427" O.D. by itself, it expands to .429"-.430" when a bullet is inserted, which nicely fills a .44 Magnum's bore. If you size cast slugs to .358" or larger, they'll still seat in the sabot but the bullet/sabot combo may be difficult to start into a cartridge case without excessive bell.



Second (most important), a .44 bullet seater plug hits the sabot's mouth when short (lighter than 158 grains) bullets are used, resulting in damage to the plastic and an erratic flight path. *Use a .38 cal. seater plug, which fits nicely down inside the sabot and allows seating pressure to bear on the bullet nose.* My RCBS dies allow such plug changes between calibers.

Third, bullets can be cast, swaged or jacketed, but there's an obvious cost advantage

Any style .357 bullet fits in .44 sabot (above). Hollowpoint .357 slug fits inside sabot (left). Mild roll crimp prevents sabot from shifting in case during recoil.

with unjacketed slugs. Home-cast bullets offset the dime-a-shot sabot cost without affecting performance.

Because high-velocity sabot ammo is ideal for varmint or deer hunting, we built test loads with long barrels in mind. Our test guns are a Ruger Super Blackhawk with 10½-inch barrel, and a Thompson/Center Contender with both 10- and 14-inch barrels. It was quickly evident that velocities in the Ruger were only 15 to 40 fps lower than in the 10-inch Contender, so we clocked remaining loads only in the two T/C barrels to save time.

The first thing we learned, from a few pre-test shots, is that slow powders (H110, 296), which excel with heavy .44 Magnum slugs, don't perform well with sabots. The collar is so slippery and easy to rifle, and the projectile so much lighter than normal, that slow

.44/.357 SABOT LOADS

BULLET	POWDER	OAL†	VELOCITY (10" bbl)	ENERGY (10" bbl)	VELOCITY (14" bbl)	ENERGY (14" bbl)	NOTES
105 cast Lee	Unique, 15.0	1.550	2097 fps	1026 ft/lbs	2177 fps	1105 ft/lbs	(1)
105 cast Lee	Unique, 16.0	1.550	2179 fps	1107 ft/lbs	2237 fps	1167 ft/lbs	
105 cast Lee	Blue Dot, 20.0	1.550	1994 fps	927 ft/lbs	2165 fps	1093 ft/lbs	
110 JHP	Win 231, 12.0	1.530	1837 fps	824 ft/lbs	1908 fps	890 ft/lbs	(2)
110 JHP	Win 231, 13.0	1.530	1965 fps	943 ft/lbs	2033 fps	1010 ft/lbs	
110 JHP	Win 231, 14.0	1.530	2034 fps	1011 ft/lbs	2132 fps	1110 ft/lbs	
110 JHP	Green Dot, 13.0	1.550	1942 fps	920 ft/lbs	2039 fps	1016 ft/lbs	(3)
110 JHP	Green Dot, 14.0	1.550	2063 fps	1039 ft/lbs	2186 fps	1167 ft/lbs	
125 JHP	Unique, 15.0	1.570	1936 fps	1039 ft/lbs	2013 fps	1125 ft/lbs	
125 JHP	Unique, 16.0	1.570	2083 fps	1204 ft/lbs	2133 fps	1263 ft/lbs	
125 JHP	Blue Dot, 20.0	1.570	2033 fps	1148 ft/lbs	2087 fps	1209 ft/lbs	
125 JHP	Blue Dot, 21.0	1.570	2110 fps	1238 ft/lbs	2183 fps	1333 ft/lbs	
125 JSP	Green Dot, 13.0	1.550	1884 fps	985 ft/lbs	1944 fps	1048 ft/lbs	
125 JSP	Herco, 20.0	1.550	2154 fps	1288 ft/lbs	2283 fps	1446 ft/lbs	
*130 FMJ-RN	Herco, 20.0	1.550	2136 fps	1317 ft/lbs	2236 fps	1443 ft/lbs	(5)
*130 FMJ-RN	Blue Dot, 22.0	1.585	2097 fps	1270 ft/lbs	2273 fps	1491 ft/lbs	
*130 FMJ-RN	Blue Dot, 23.0	1.600	2181 fps	1373 ft/lbs	2318 fps	1552 ft/lbs	(6)
*130 FMJ-RN	HS7, 22.0	1.550	2049 fps	1212 ft/lbs	2124 fps	1302 ft/lbs	
140 JHP	Unique, 15.0	1.590	1914 fps	1139 ft/lbs	1978 fps	1216 ft/lbs	
140 JHP	Unique, 16.0	1.590	1948 fps	1180 ft/lbs	2056 fps	1314 ft/lbs	
140 JHP	Blue Dot, 20.0	1.590	2029 fps	1280 ft/lbs	2112 fps	1388 ft/lbs	
140 JHP	Blue Dot, 21.0	1.590	2108 fps	1383 ft/lbs	2191 fps	1492 ft/lbs	
140 JHP	Blue Dot, 22.0	1.600	2122 fps	1400 ft/lbs	2236 fps	1554 ft/lbs	
158 JHP	Blue Dot, 20.0	1.605	1986 fps	1384 ft/lbs	2073 fps	1506 ft/lbs	
158 JHP	Blue Dot, 21.0	1.605	2033 fps	1450 ft/lbs	2147 fps	1618 ft/lbs	
158 JHP	Blue Dot, 22.0	1.610	2081 fps	1518 ft/lbs	2207 fps	1708 ft/lbs	
158 JHP	H110, 27.0	1.650	1676 fps	984 ft/lbs	1859 fps	1225 ft/lbs	(7)
158 JHP	H110, 28.0	1.655	1757 fps	1084 ft/lbs	1879 fps	1238 ft/lbs	
158 JHP	HS7, 20.0	1.650	1789 fps	1121 ft/lbs	1888 fps	1250 ft/lbs	(8)
158 JHP	HS7, 21.0	1.650	1880 fps	1239 ft/lbs	1971 fps	1362 ft/lbs	
166 cast Lee	Blue Dot, 20.0	1.735	1945 fps	1394 ft/lbs	2050 fps	1549 ft/lbs	(9)
166 cast Lee	Blue Dot, 21.0	1.735	2064 fps	1570 ft/lbs	2113 fps	1648 ft/lbs	
166 cast Lee	H110, 28.0	1.755	1684 fps	1045 ft/lbs	1824 fps	1226 ft/lbs	
166 cast Lee	H110, 29.0	1.760	1827 fps	1230 ft/lbs	1906 fps	1339 ft/lbs	
170 FMJ-RN	Blue Dot, 20.0	1.735	1887 fps	1343 ft/lbs	2024 fps	1547 ft/lbs	
170 FMJ-RN	Blue Dot, 21.0	1.740	1950 fps	1435 ft/lbs	2076 fps	1625 ft/lbs	
170 FMJ-RN	H110, 27.0	1.740	1711 fps	1105 ft/lbs	1814 fps	1242 ft/lbs	
170 FMJ-RN	H110, 28.0	1.750	1727 fps	1124 ft/lbs	1839 fps	1276 ft/lbs	

† = Overall length of cartridge

* = .355" nine millimeter bullet

(1) 105-gn loads have recoil of a .38 Special +P, and shed sabot collar at about 12 yards.

(2) Sharp recoil at 14.0 gns Winchester 231, but no overpressure signs. Two top 231 loads have standard deviation figures as low as 2; accurate.

(3) Green Dot loads slightly compressed, mild recoil.

(4) Herco 20.0 fills case to the mouth; charge compressed. Hefty recoil.

(5) Nine-mil bullet is .355" diameter, so heavy crimp was used to retain it in the sabot collar for revolver use. Excellent varmint bullet, sheds sabot at about 40 yards.

(6) Hodgdon HS7 doesn't reach bullet base when sabot is fully seated; might be nice for long, heavy slugs in revolver. HS7 was more accurate in shorter T/C barrel.

(7) Hefty recoil with this load, but both 21.0 and 22.0 Blue Dot loads had very small extreme spread; tests confirmed potential accuracy. Sabot collars haven't shed at 80 yards (practical brushy deer hunting range) with 158-gn bullet.

(8) Nice load density with plenty of room for bullet. Recoil fairly mild.

(9) Truncated cone 166-gn bullet design sheds sabot at about 40 yards.

This reloading data is presented for information only. Neither the author nor American Handgunner assume any responsibility, stated or implied, for use of this information because we have no control over individual reloading practices. Start at least 10% below listed loads and work up carefully watching for signs of pressure. These loads are recommended for modern guns in good condition only.

powders don't have a chance to develop peak pressures. What you'll get instead is an awesome muzzle flash, even with a 14-inch barrel, unless bullet weight is around 170 grains.

Our sabots fit so snugly into sized .44 Magnum cases (assorted lots of many-times-fired brass) that we used only a mild roll crimp. In fact, seating resistance slightly deformed the soft JHP noses, making them flatter and wider. It would probably be OK not to crimp if all rounds are intended for single-shot pistols. None of our crimped bullets backed out of the cases under recoil when fired in the Ruger SBH.

We tried 105-grain truncated cone bullets, hard-cast from a Lee mold. With sabot included, initial projectile weight is thus 114.4 grains, and the slowest powder to use is Blue Dot. These tiny slugs barely peek out of the sabot collar, which allows wind pressure to act quickly on the sabot and shed it about 12 yards from the muzzle.

With velocities as high as 2,200+ fps, these are good varmint loads. The mildest of

vates those figures to 2,236/1,554, but produces muzzle flash.

R & R Sabot's test data for 158-grain rounds, we learned from our duplication loads, is slightly understated. They show 2,104 fps from a 14-inch Contender with 21.0 Blue Dot, while our test load churned up 2,147 fps (and 1,618 fpe!).

Bullet expansion was still phenomenal, and the one slug we recovered had turned into a huge lead wafer. Again, soft nose bullets would insure quick game kills without bullet blow-up. Since this bullet fills the sabot so well, it doesn't separate from the collar even out as far as 80 yards.

A 166-grain Lee truncated cone bullet, cast in extra-hard alloy, is a real sizzler. It offers 2,113/1,648 over 21.0 grains of Blue Dot, and would be even more potent with an extra grain of powder. The nose profile helps shed the sabot in about 30 yards.

Either of the 158 or 166 grain bullets are fine for handgun deer hunting, since their energy levels exceed that of a .30-30 carbine

1,300+ foot-lbs., is a pussycat to shoot.

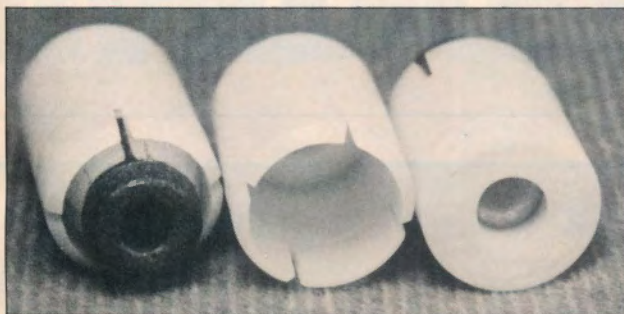
All told, I chronographed the initial 275 test rounds in a three-hour shooting session, and didn't need a relief shooter to rescue me from undue recoil. None of the sabot loads had the "buck and blast" of a string of Remington 180-grain factory JHP rounds we fired for comparison.

With the iron-sighted 14-inch Contender, test shooters had 158 grain JHP holes cutting each other at 15 yards, with the sabot still attached. Four-shot, one-inch groups at the same range, with 166 grain cast bullets, showed that sabots were just starting to separate.

Long-range tests were confined to 75 yards, with a 10-inch scoped Contender, which is about practical pistol hunting range in my area. Tests were made shooting standing, off-hand, in wind and heavy rain.

Surprisingly, at that range the 158 grain JHP bullets still cut a 44-cal. hole. Despite the sabot being attached, however, we managed two 4-inch groups of four rounds each. We also shot a 5-inch group with 125 grain JHP bullets, but this would undoubtedly improve in decent weather. The lighter slugs had shed their sabot collars at the test range, as did the 166 grain Lee, and the light bullets up to 158 grains.

Accuracy was much the same in other rounds we tested. Some had shed their collars, but the longer, jacketed bullets hadn't. Our feeling is that this doesn't make much difference for hunting, since an attached sabot would aid in creating a wider wound channel.



Sabot and bullet (left) empty sabot (center) and base of sabot (right).

these loads, in the Ruger, still cranked out 900+ foot-pounds of energy (fpe) five feet from the muzzle.

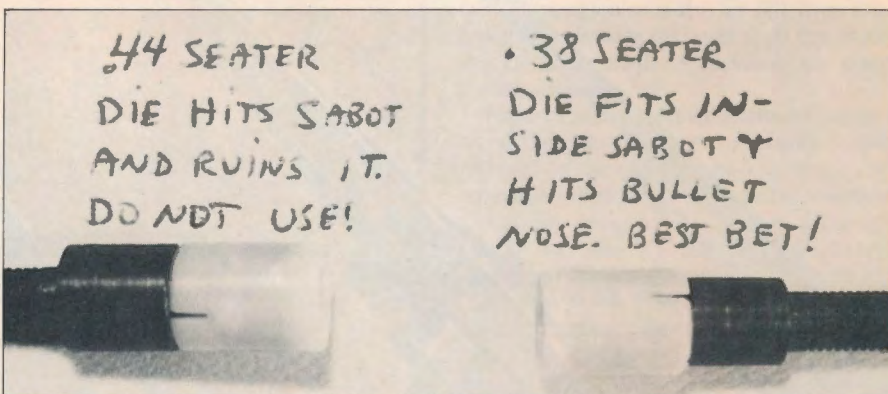
Sierra 110-grain JHP bullets were tried with fast powders which are suitable for short-barreled revolvers. Some impressive velocities came in our T/C test barrels, and the heavier Green Dot load at nearly 2,200 fps is a dandy varmint round.

Sierra 125-grain JHP bullets perform better with the same 20.0 or 21.0 grains of Blue Dot than did the 105-grain bullets, but not as well with identical charges of Unique. It appears that Unique is most efficient for bullet weights of 100 to 110 grains, but still works well with bullets up to 158 grains. Blue Dot, on the other hand, works best with bullet weights from 125 grains on up.

Our hottest 125-grain load, using 20.0 Herco/14-inch T/C, clocked over 2,200 fps. At that speed, the soft hollowpoint bullet simply disintegrates on impact with dirt. We never recovered a slug. Flat nose bullets would be a better hunting choice, since they'd still expand at practical hunting ranges.

Our 130-grain FMJ tests were run to see if 9 mm bullets (.355") would work in sabot collars. They do, very nicely.

Bullets weighing 140 grains actually clock faster than lighter slugs with the same charge of Blue Dot, since there's finally enough weight to allow efficient powder burning. A slightly-compressed 21.0 grain Blue Dot charge produced 2,191/1,492—which are, respectively, muzzle velocity and muzzle energy. Adding one grain of Blue Dot ele-



and even outperform a 300-grain factory .45-70 slug fired in a Hand Cannon Contender.

Our last test load used Sierra 170 grain silhouette FMJ bullets, which performed well also. The R & R folks are running ballistics tests on 180 grain Speer Silhouette bullets now, and state that the rams fall nicely at 200 yards when this slug is used with 20.0 grains Blue Dot. They say it's possible to use .35 cal. rifle bullets too, but no load data is yet available.

Some of the more potent loads have a fair kick, but this is tamed by the heavy Contender pistol. We found that all Unique loads give a sharp, immediate jolt to the hand, while Blue Dot's burning curve spread recoil over a longer time for less jolt (but still more overall recoil). And slow-burning H110, which produces energy levels as high as

A fresh twist would be using large slugs cast from pure lead, which expand dramatically yet stay together on impact, rather than blowing up on flesh as JHP handgun bullets probably will.

Bulk-packed .38 cal. SWC swaged bullets, such as those made by Alberts, perform well for a hunting role and allow enough cheap practice for a shooter to become proficient.

"No Federal Firearms License is needed to buy sabot collars through the mail," said Turner. "And we offer custom-loaded sabot rounds too, built to the customer's specs, for about \$14 a box of 20."

R&R Sabot, Inc.

Payne Road, Dept. AH
Danbury, CT 06810

For orders only, call toll free:

1-800-325-8399

For information, call 1-203-790-7495.



Recognizing the almost universal desire among competitors to use a personalized pistol in competition, the founding group of IHMSA provided for these shooters by forming the Unlimited pistol category.

The basic unlimited pistol rules were laid out during IHMSA's founding meeting at the 1976 Championships in El Paso, Texas. During the intervening years a number of clarifications have been issued by the IHMSA Executive Committee, however, the rule retained its basic intent and any pistol legal for competition in 1976 would be legal under the current rule.

The IHMSA Unlimited rule is "A gun to be anything other than a Production gun with maximum barrel length and sight radius of 15 inches and a maximum weight limit of 4½ pounds, unloaded with magazine. The sight radius to be measured from the rear edge of the front sight, if an open sight is used, or

from the aperture insert if a closed sight is used, to the rear surface of the blade, peep hole, post or aperture of the back sight as seen by the eye in sighting position. The overall length of all sighting apparatus including hoods, covers, tubes, sunshades, extensions or whatever, shall not exceed 18 inches."

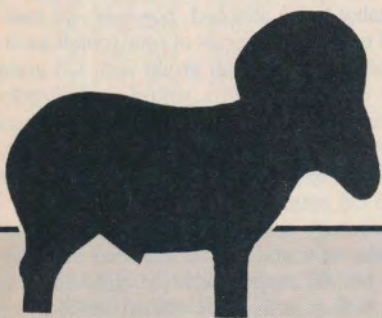
"Barrel length is measured by inserting a rod down the barrel until it makes contact with the bolt or breech face, then a straight-edge placed horizontally across the muzzle of the highest part of the crown. The distance between the bolt face or breech and the top of the crown, thus measured, is the official barrel length. The overall length of Unlimited pistols may not be more than 25 inches. Measurements to be 'square' or parallel to center line of bore. Shooters may not qualify in Unlimited classes with Production guns. If a muzzle brake is used it must be measured as

part of the barrel length."

"Not allowed are scopes or any optical device, artificial rests or supports, slings, padded or unnecessarily heavy clothing, or any kind of wrist or arm supports or bracelets.

Friction materials or padding used on the shooter's clothing or on any part of the gun have been ruled as violating the artificial rest rule and will not be allowed.

The next few years saw a real race among shooters and gunsmiths to see who would produce the magic pistol and design the perfect cartridge. Literally hundreds of wildcat cartridges were designed and tested against the steel. The ideal cartridge is still thought to be one which recoils like a 22LR with the trajectory of a laser and the power to knock over a Sherman tank. Constitutes a bit of a design problem, but a lot of people are working on it!



IHMSA UNLI



Desert Eagle

Remington XP-100



Weatherby Unlimited

Remington XP-100

The firearms manufacturers recognized the growing market for long range steel bangers and T/C was the first to enter by releasing their 14-inch Contender barrels and target wood. The T/C 14-inch combination has been successful because it offers a good cartridge selection and accuracy at a price

hundreds of dollars less than a full-house custom Unlimited pistol. Many of the top Unlimited pistol competitors began their Unlimited competition by installing the 14-inch barrel on their trusty T/C Contender Production pistols.

In 1978 I had the opportunity to test fire

Weatherby's prototype Unlimited pistol, chambered in 7mm/.240 Weatherby belted magnum. Although deadly accurate, I felt that the cartridge, which pushed a 154 gr. Hornady bullet out of a 15-inch barrel at 2650 fps, was too much for silhouette competition. The final version of Weatherby's factory Unlimited pistol was released in .308 Winchester chambering.

Weatherby produced 200 pistols in the first production run, 25 of these pistols became limited edition pistols for the IHMSA membership. The remainder appear to have gravitated to collectors. Due to a problem with his action builder, Weatherby discontinued production at the completion of his first run.

During this same period Jim Rock, manufacturer of the Merrill single shot pistol, introduced a 14-inch barrel for the Merrill chambered in 7mm Merrill. The 7mm Merrill being a .225 Winchester case necked up to a 7mm. The Merrill Unlimited pistol became popular with a number of shooters on the West Coast who performed quite well with the combination.

Wichita Engineering (later to become Wichita Arms) entered the market during this same period with an Unlimited pistol based on their benchrest single-shot bolt-action set in a center grip Fajen stock. Wichita chambered their pistol for all the popular calibers.

Remington's XP-100 action is the basis for the majority of the custom built Unlimited pistols. The XP-100 chambered in 7mm BR is well accepted by the competitors and is successful both as manufactured and customized. Remington sells the XP-100 7mm BR less sights, allowing the buyer to choose from the sights available or develop his own combination.

Firearm accessory manufacturers recognized the demand for the specialty items required by the growing sport of pistol silhouette. George Peterson, owner of Western Gunstocks, designed and supplies a line of stocks for the XP-100, the Wichita, Thompson Center Contenders and custom bolt action pistols based on the smaller Sako actions. Peterson also offers center triggers for the Sako and light-weight bolt shrouds for the Remington bolt actions. Fajen of Missouri also offers a full line of stocks for Remington, Wichita and Contenders.

The bolt action has been the basis for all the winning pistols. All the bore diameters from .224 to .458 have been tested and tried by the Unlimited pistol enthusiast. The most successful bullet diameters have been in the range of 6.5mm through .308.

The search for the perfect Unlimited pistol and cartridge is still in progress. Every year at least one new pistol design or cartridge is introduced at the Internationals. Two new pistols which have shown up of late are the MOA falling block pistol with a line of new wildcat cartridges and Pachmayr's bolt action conversion for the Colt auto frame. Both of the pistols have desirable features as do all the new designs. I'm going to keep looking. Who knows, someone may just come up with a recoilless ram seeking laser.

80 x 80 Unlimited Champions

Year	Champion	Action	Stock	Barrel	Cartridge	Gunsmith
1978	Stan Hanigan (KS)	XP-100	Rem.	Douglas	.308 Win.	Radke
1979	Dave Tobin (CA)	XP-100	Western	Douglas	7mm U	Ugalde
1980	Jim Jonason (CA)	Wichita	Factory		7mm IHMSA	
1981	Mike Averre (WA)	XP-100	Western	Douglas	7 x 51	Top Hat
1982	Joe May (OH)	XP-100	Fiberglass	Douglas	.308	Sinclair
1983	Pete Ball (CA)	XP-100	Western	Douglas	7mm	300 BJR
1984	Lon Pennington (CO)	XP-100	Western	Douglas	7mm	Unknown
1985	Darrel Crofford (TX)	XP-100	Western	Rem.	7mm BR	Unknown

UNLIMITED GUNS

By Bert Stringfellow

Single shot hand-rifles are the name of the game!

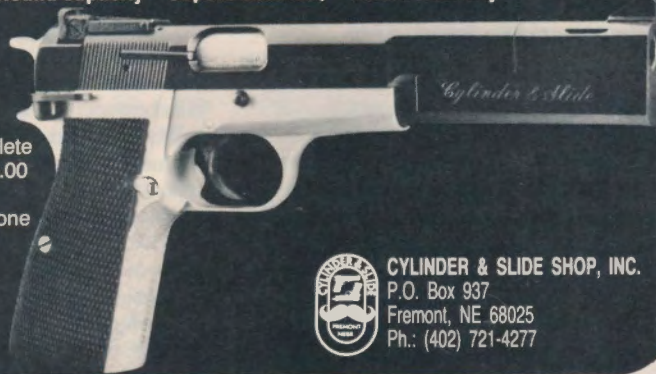


Maximum Single Shot

Wichita Silhouette

THE EQUALIZER

MAJOR Caliber 9mm BROWNING Compesator System.
13 Round capacity - Superb accuracy - Total reliability



Send \$3.00 for complete information. Send \$6.00 outside U.S.
If you call, Please phone between 9 am and Noon CST.
Ask for "Bill"



CYLINDER & SLIDE SHOP, INC.
P.O. Box 937
Fremont, NE 68025
Ph: (402) 721-4277

THE AYOOB FILES

Continued from page 27

behind him, still heavily armed. Two of his five guns, a rifle and a shotgun, were left at the scene, but still at hand were a single-action .22 revolver in a hip holster and two more shotguns, one of them an Ithaca model 37 pump gun loaded with 12-gauge rifled slugs.

DeBoer headed home, to make his last ditch defense at his own castle. He was en route when the call crackled out over the red transceivers of ISPERN, the Illinois State Police Radio Network that reaches into every patrol car in the state, that an officer had been shot and another had been taken hostage by the gunman.

One of the cars that caught that message contained Corporal Charles Odell and Sgt. Glessner "Les" Davis of the Illinois State Police, who worked out of District 16 in Rockford. They had just been pulling up to the headquarters building in the growing sleet when they caught the broadcast. Odell spun the wheels as he hit his red light and siren, and Davis set aside the reports he'd been working on. He had time to think that he was usually in his own car instead of riding with one of his men, but his unit was now in the repair shop and with it, the standard issue shotgun that rode in the truck. At the moment, it seemed a hell of a place for it. He glanced down reflexively at his service pistol, ISP's standard issue Smith & Wesson model 39 9mm. A sergeant doesn't take his subordinate's own shotgun away from him; if it went ugly, Davis knew, he would have only his pistol.

Soon they arrived at the scene. A cordon of police had quickly thrown up a perimeter around the embattled DeBoer home in the hamlet of Florence Station. Davis was the ranking man at the scene, and instantly began the task of assigning the state, county, and

IPSC

NOT JUST FOR COMPETITION

Now available from DE SANTIS:

The ultimate technology in Duty holsters and Accessories: **THE LAW-TECH™ HOLSTER** and **THE LAW-TECH™ MAGAZINE CARRIER**



- Full metal reinforced holster
- Stainless steel reinforced thumb break
- Steel reinforced belt loop
- Metal reinforced sight track
- Pressure molded to exact shape of weapon — affords shape for a lifetime
- Belt loop available in narrow or wide configurations
- Full grain leather lined



Unlike other duty holsters, **THE NEW DE SANTIS LAW-TECH™** is designed to meet all new requirements taught by IPSC competition.

Uniquely, **THE DE SANTIS LAW-TECH™** is executed at a critical upright angle to allow a precision-rapid draw without having to break the wrist.

Now available for the Beretta 92 SBF, other models under development. If department requires variations of the basic holster, we would be glad to quote you.

Precisely planned, **THE LAW-TECH™ MAGAZINE CARRIER** is cut very low in front, as in competition pouches, and magazines are widely separated to facilitate proper purchase.



De Santis

HOLSTER AND LEATHER GOODS CO.
149 DENTON AVENUE
New Hyde Park, New York 11040
516-354-8000

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION			
1. TITLE OF PUBLICATION AMERICAN HANDGUNNER		2. DATE OF FILING MARCH 1987	
3. AUTHORITY OF ISSUE BY INDIVIDUAL		4. ANNUAL SUBSCRIPTION PRICE \$1.00	
5. COMPLETE MAILING ADDRESS OF INDIVIDUAL OR FIRM OF PUBLICATION (Street, City, State, and Zip Code)		6. COMPLETE MAILING ADDRESS OF THE HEADQUARTERS OF THE PUBLICATION (Street, City, State, and Zip Code)	
7. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		8. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
9. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		10. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
11. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		12. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
13. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		14. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
15. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		16. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
17. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		18. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
19. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		20. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
21. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		22. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
23. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		24. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
25. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		26. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
27. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		28. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
29. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		30. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
31. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		32. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
33. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		34. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
35. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		36. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
37. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		38. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
39. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		40. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
41. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		42. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
43. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		44. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
45. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		46. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
47. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		48. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
49. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		50. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
51. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		52. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
53. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		54. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
55. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		56. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
57. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		58. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
59. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		60. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
61. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		62. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
63. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		64. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
65. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		66. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
67. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		68. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
69. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		70. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
71. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		72. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
73. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		74. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
75. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		76. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
77. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		78. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
79. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		80. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
81. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		82. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
83. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		84. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
85. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		86. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
87. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		88. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
89. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		90. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
91. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		92. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
93. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		94. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
95. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		96. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
97. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		98. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	
99. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)		100. COMPLETE MAILING ADDRESS OF THE PUBLICATION (Street, City, State, and Zip Code)	

local officers into their positions on the containment ring and directing traffic away from the danger site.

An FBI hostage negotiation expert was on the scene, but had gotten only a busy signal when he called DeBoer's number. For the first of several times during the siege, Davis clenched his teeth in rage at the reporters: it was calls from journalists that had so angered the hostage-taker that he'd removed his phone from the hook, thus putting himself out of reach of any voice of reason. At one point, Davis had to personally remove a TV cameraman who was approaching the house so closely that Davis feared he'd trigger a barrage of fire from the antagonized gunman.

And then, DeBoer himself decided that his world had run out of time. He picked up his own phone, called the police, and delivered the ultimatum: "I'm coming out at two-fifteen," he said flatly, "and I'm coming out shooting. The only way they'll take me is dead. And I'm goin' to take three or four of those (expletive deleted) police with me!"

At about this time, Davis and fellow State Police Sergeant Richard Pratt and a Stephenson County captain had been working on setting up a command post in a nearby building under construction. But now, some 160 yards from the scene, Trooper Pat Young was watching the scene through the 4x scope of his Winchester model 70 .30/06. ISP does not have a SWAT team *per se*, instead distributing trained riflemen throughout the districts. Young saw a figure in a green jacket move through his crosshairs, and immedi-



Patented Do Not Accept Substitutes
Rib & Sights for the competitive shooter. The 1984 CAMP PERRY NATIONAL PISTOL championships 1st & 2nd place won using BO-MAR's. Also '82, '83 & '84 PPC National Championships won with Bo-Mar Sights.
BO-MAR
World's Finest Handgun Sights at affordable prices
Route 12, Box 405 Longview, TX 75605 214-759-4784
Send stamped self-addressed envelope for catalog



High Quality - Reliable Pistols
Basic to Full House Competition
Member American Pistolsmiths Guild
Richard Heinie - Pistolsmith
821 E. Adams
Havana, IL 62644
Please send \$1.00 for Brochure and Accessory Catalog.

Personal Protection Systems

101 Pittston Avenue Scranton, PA 18505
(717) 343-7352



MSC



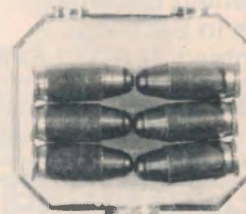
25 acp (29 grains)
Maximum Sub-Caliber

- Velocity in excess of 1200 fps.
- More stopping power than 380 Ball.
- Excellent Tactical Penetration
- Excellent feed reliability.

Sug. Retail \$14.95
for a nine pack



MPP



380 acp (53 grains)
Maximum Pocket Pistol

- Velocity in excess of 1200 fps from a 2" barrel.
- Expands to over sixty caliber.
- Excellent Tactical Penetration
- Feeds better than ball because of nylon tip.

Sug. Retail \$14.95
for a six pack

MSC & MPP will not defeat threat level (II A) Soft Body Armor. MAC 9MM parabellum & MMC .45 acp will be available prior to 3/1/87. Sold only through reputable gun shops. If your shop does not have in inventory, have them contact **Personal Protection Systems** or the below listed distributors.

Bumble Bee Wholesale, Inc.
12521-3 Oxnard Street,
North Hollywood, CA 91606

Euclid Sales
1145 Euclid Avenue
Atlanta, GA 30307

Hi Vel Inc.
RR #2, Box 664C,
New Haven, Kentucky 40051

Central Gun Exchange
1016 First Avenue
Seattle, Washington 98104

De Santis Holster & Leather Co.
149 Denton Avenue
New Hyde Park, New York 11040

Republic Arms
2126 W. 34th Street
Houston, Texas 77018

Arms & Ammo Supply
119 E. Camino Real
San Bruno, California 94066



BUEHLER PISTOL MOUNT

NO DRILLING OR TAPPING

Introducing a different BUEHLER MOUNT-M83. Installs without drilling or tapping. For calibers up through .357 Mag. Available in silver or black finish. M83 Mounts available for Smith & Wesson, Dan Wesson, Colt and Ruger.

Send for free catalog 41H.

MAYNARD P. BUEHLER, Inc. - ORINDA, CA 94563

NEW! QUADRA-COMPtm

by CENTAUR



- DROP-IN COMPENSATOR BARREL KIT
- Buffered Recoil System
- S.S. Slide Stop

\$194⁹⁰

COMPLETE

- NO Fitting
- No Bushing Required
- Installs in Seconds
- Guaranteed **ZERO-CLEARANCE** Lock-Up (+\$3.50 S&H) (+\$1.90 COD)

Centaur systems, inc. Brochure \$1.00 -- Dealer Pricing Available
Suite 114/15127 NE 24th/Redmond, WA 98052-5530 Phone: (206) 392-8472

PORTABLE RELOADING BENCH

IDEAL FOR APARTMENT DWELLERS WITHOUT A GARAGE FOR A HEAVY BENCH. TAKE INTO THE HOUSE WHEN GARAGE IS TOO HOT OR COLD. TAKE TO THE RANGE TO DEVELOP PET LOADS WITH YOUR FAVORITE PRESS. DOES NOT BOLT TO FLOOR. DUE TO

DESIGN, YOUR BODY WEIGHT IS SUSPENDED ON THE SAME FRAME WITH THE PRESS. CONSEQUENTLY, NO TABLE MOVEMENT. PUSH & PULL WORKS AGAINST YOUR BODY. TABLE WILL NOT LIFT OFF THE FLOOR.



ALL WELDED TUBULAR STEEL FRAME

- Rubber floor mounts prevent scratching floors
- Pre-drilled for major presses
- Only weighs 28 pounds
- Ball bearing swivel seat
- Breaks down to 30" x 19" for portability

PORTABLE RELOADING UNIT \$67.00
3 PLASTIC BOXES FOR EMPTY CASES, BULLETS & LOADED ROUND INCL.



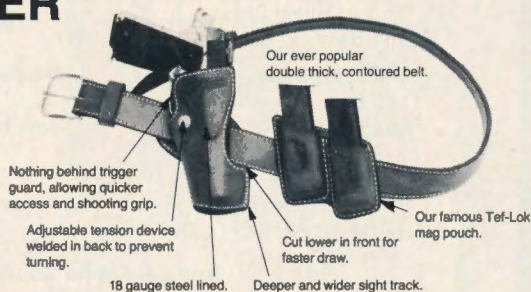
Visa and Mastercard welcome
California residents add 6% sales tax
We ship F.O.B. Marysville, California



L.R. CLIFT MFG. P.O. BOX 2334 MARYSVILLE, CA 95901 1-(916) 741-1571
Nationwide: 1-(800) 428-7825 ext. 14 California 1-(800) 428-7824 ext. 14

TED BLOCKER'S CUSTOM HOLSTERS "MATCHMASTER"

This holster has been in the making for well over a year at the request of Mike Dalton and Mickey Fowler. The most complained about problem in a competition holster has been all the leather behind the trigger guard forcing the shooter to either go around or over this obstacle to obtain a shooting grip. Our new "Matchmaster" holster eliminates this and many other problems by using some of the features of our ever popular P.P.C. holster, such as folding the holster from the back and placing the tension device just under the trigger guard making it much more effective. Stitching the welt in front creates a much deeper and wider sight track. We have also used our four screw belt slot system which secures the holster to the belt. This holster can be used either cross draw or strong side. It can also be ordered with no angle or butt forward on special request at no additional charge. Rigs are available for the following guns: Colt Commander, Government model, Gold Cup, Brng. H.P., Guns with Compensators, 6", 6½" and 7" guns.



MATCHMASTER PRICE LIST

Complete Rig as pictured \$126.95 Holster \$69.95

ORDERING INSTRUCTIONS

Please include exact waist size, gun make and model, barrel length and all other modifications. State whether magazine pouches are to be worn on right or left side.

California residents add 6% sales tax. All orders must add 5% for shipping and handling. Send cashiers check or money order. You may use MasterCard, Visa or American Express when ordering directly from Ted Blocker. Please include card number and expiration date. No C.O.D.



Ted Blocker's Custom Holsters
409 West Bonita Ave.
San Dimas, CA
(714) 599-4415

CHOOSE A WINNER

Over 250,000
Gunbelt Rigs Sold!

Model
K-86



When ordering by mail:
Specify waist size, gun make, bbl. length & caliber.
Texas residents add Sales Tax.

100% American made, hand crafted, fully lined, 24 bullet loops. Prompt shipment. Up to 6½" bbl. length - \$69.95. 7½" bbl. length - \$74.95. New! 10½" bbl. length - \$77.95. Send \$2.00 for catalog. Dealers please inquire.

AMERICAN SALES & MFG.
BOX 677, LAREDO, TX 78040

TYLER'S "T" GRIP

BETTER SHOOTING with this improved cost Aluminum Grip ADAPTOR. For Colt, S & W and Ruger D.A. Revolvers. DURABLE, PRACTICAL—EASY TO INSTALL. THREE ATTRACTIVE FINISH COLORS. POLISHED or BLACK \$6.00; GOLD \$6.50.

TYLER'S TRIGGER SHOE

Durable light weight cast aluminum for Colts, S & W, Ruger and other modern pistols, rifles and shotguns. POLISHED or BLACK \$4.50; GOLD FINISH \$5.00.

AT YOUR FAVORITE DEALER OR ORDER DIRECT. Send make & model of gun. No C.O.D.'s please. Add \$1.00 for Shipping Charges. Fully Guaranteed. Genuine Stag-Wood & Synthetic Gun Grips & Accessories. Buck Knives—Hand-made Leather Holsters & Belts.

New! IVOREX® GUN GRIPS
MELVIN TYLER MFG. AND DIST.

1326 W. Britton Rd. • Oklahoma City, Okla. 73114
Call toll free 800-654-8415 Outside Oklahoma

an instant realized that there was none. He was caught in the open. He saw the bulk of the cop-shooter lunging at him now, in a murderous rage, and he looked down the great black eye of the shotgun muzzle.

At that moment, the death battle was irrevocably joined.

Davis threw himself forward and down. It saved his life. The bloom of orange flame cut through the swirling white snow, and the one-ounce rifled slug whistled over the diving sergeant's head, passing through where he'd stood an instant before. But Davis was prone now, his left hand in a cup-and-saucer position under the butt of his 9mm, and he began pulling the trigger.

Davis sighted and fired, again and again. He fired so fast that some of the ear-witnesses would say later that they'd heard a machinegun. Yet tachypsychia had set in, the sensation of things going into slow motion, and Davis experienced the gunfight in agonizing slowness.

Davis was conscious of watching his sights, and of his target's reaction. He knew his first shot missed. He saw DeBoer jerk or wince as he fired his second and third 9mm bullets, but the gunman kept coming, like a Golem slogging through the whipping snow, the shotgun still pointed at the policeman.

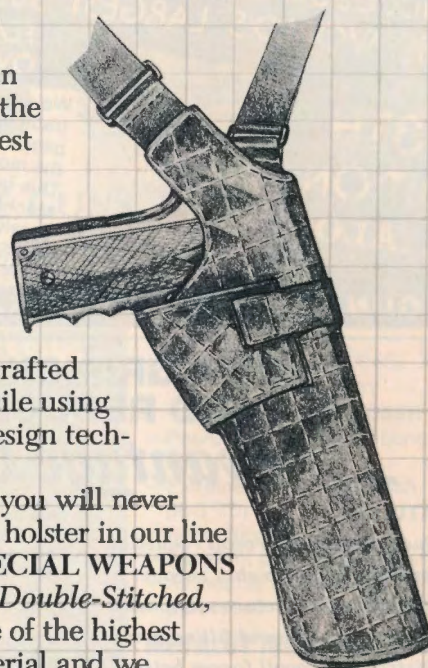
Davis kept shooting. DeBoer kept coming. At last, Davis saw the man in his sights jerkily dive forward, as he himself had done. Was the attacker going prone, as Davis had? He couldn't be sure. He aimed and pulled the trigger again.

YOUR CHOICE

When the only thing between you and your gun is your holster make sure the holster you own is the finest available. Because when your life is on the line you can't afford 2nd best. This is why **SPECIAL WEAPONS PRODUCTS** takes pride in making the best handcrafted concealment holsters, while using the finest material and design technology available.

Unlike our competitors you will never see a die-cut, taped edged holster in our line of products. However, **SPECIAL WEAPONS** does provide a *Hand-cut, Double-Stitched, And Tucked* holster. Made of the highest grade *Ballistic Nylon* material and we back each holster with a *Life Time Limited Warranty*.

So before you purchase your next holster ... compare **SPECIAL WEAPONS** concealment holsters and see the difference.



The Classic

*Life Time
Warranty*

**SPECIAL
WEAPONS
PRODUCTS**

24 Hour Holster	\$34.95
Ankle Holster	\$29.95
Beltslide Holster	\$19.95
"Classic" Holster	\$39.95-\$44.95

CALL TODAY
NATL 800-262-2220
CA 800-341-3330

- For more information send \$1.00 for catalog
- We accept VISA/MasterCard, Personal Checks. Allow 3 wk on delivery

8740 Flower Road, Rancho Cucamonga, CA 91730

(714) 981-2032

SECURITY PRODUCTS LARGEST SELECTION! BEST PRICE!



BROWNING ProSteel

**FORT KNOX
Treadlok**



Imperial 7436
74"x36"x24" - 1000 lbs.
Up to 52 long guns.
Fire safes in stock.

1-800-222-7233

A. G. ENGLISH SALES CO.

708 S. 12th St./Broken Arrow, OK 74012(918) 251-3399

NEW SKYSCREEN III ... Unmatched Reliability Ease of Use

The new Skyscreen III offers a computer optimized two lens optics system, a built in light diffuser for all-day shooting, and a simple mounting arrangement. Used with the proven Oehler 33 Chronotach it's simply the best chronograph system going. Write or call for free information.

*The name that makes
the difference...*

Call Toll Free 800/531-5125
In Texas phone 512/327-6900



Oehler Research, Inc.

P.O. Box 9135—AH • Austin, TX 78766



BROWNELLS CATALOG #39

Designed for
The Gunsmiths — Dealers — Hobbyists
Who Service the Needs of the Millions of
Sportsmen & Target Shooters in the U.S. Today

Dedicated to the principle that the man who works on guns deserves the Best possible in supplies • Immediate service from in-stock inventories • Personal association with knowledgeable gun people • Constant adjustment in product performance.

SELECTED FOR THE SELECT

- For the trade are tools for every need
- Chemicals for every application
- Supplies for every operation
- Accessories for from crown to buttplate, to shoot, to service, to repair, to re-build or build the Gun
- Electroless nickel plating
- Wood carving tools
- Engraving supplies
- Hot and cold gun bluing
- Special glass bedding - Acraglas - Acraglas Gel.

Price \$3.50* — FREE TO QUALIFIED GUNSMITHS/DEALERS (FULL & PART TIME)

Serious Gunsmiths & Hobbyists (Our new regular customers of the future): Ask, and we will send Federal Firearms Licensing procedures with your \$3.50 catalog order. For the good of the entire shooting Fraternity we are anxious to help you get started as a legitimate professional - full or part time - or enhance your guncraft. The future fate of shooting in any area depends on the activity of the local gunsmith. YOU can both serve and enjoy!

*Foreign: \$4.50

BROWNELLS, Inc. 200 S. GROVE
MONTEZUMA, IOWA 50171

*Refunded on
first \$35.00 order

1987 GUN PARTS CORP

SUCCESSORS TO NUMRICH ARMS PARTS DIVISION
THE WORLD'S LARGEST SUPPLIER OF GUN PARTS
FEATURING AN INVENTORY OF
OVER 250 MILLION GUN PARTS

13TH
EDITION
CATALOG



We are continuing in the fine Numrich Arms tradition by offering the new, updated (430+ pages) 13th Edition Catalog listing and pricing the more than 250 million gun parts we stock. This is a standard reference and consists of Machine Guns, Commercial, Military, U.S. and Foreign, Antique gun parts—Used WORLD WIDE.

SURFACE FOREIGN - \$8.95
AIRMAIL WRITE FOR QUOTE

\$4.95
U.S. send

THE GUN PARTS CORPORATION Box AH-3, W. HURLEY, N.Y. 12491 (914) 679-2417

GET A GRIP ON YOUR "45" AND REDUCE RECOIL

Advantage Grip System

FEATURES:

- * Guaranteed 17% recoil reduction
- * Improved shot to shot recovery
- * Quicker sight picture alignment
- * Thick tapered hand filling grips
- * Distributes recoil forces better
- * Promotes a more consistent grip
- * Built in magazine loading chute
- * Milled for ambidexterous safety
- * Simple screw on installation

New improved Advantage Grip System complete with checkered walnut stocks, \$46.00 - Add \$3.00 postage and handling. California residents add 6 1/2% Sales Tax. Dealer inquiries invited. Write for additional information, brochure and mathematical calculations to prove the recoil reduction.

For more information or C.O.D. orders call toll free 1 (800) 634-2255. In California 1 (800) 847-4663 and ask for Ext. 210.

Jack Breskovich Advantage
COMPETITION SHOOTING ACCESSORIES

P.O. BOX 828, WHITTIER, CA 90608 (213) 695-4134

IPSC SHOPPERS MART

Extended Magazine Release Assembly for Colt .45 type Autos. Replaces existing release. No drilling and tapping. Available as a complete unit for \$19.95 or just the enlarged button and screw for \$9.95. Enlarged button & screw comes in blue or stainless. Replacement catch comes in blue. Nitex \$4.00 extra.



DEALER INQUIRIES INVITED.

IN STOCK:

ERNIE HILL SPEED LEATHER

Holster	74.00
Belt	38.00
DBL Pouch	28.00
Fender Single Pouch . .	20.00

Send order & payment to:

COMBAT CORNER
RD #1, RT 60, Dept. AHG
Fredonia, NY 14063

ALL ITEMS IN STOCK

MASTERCARD/VISA ACCEPTED!

Give number & Expiration Date

Phone Orders Mon-Fri 4-10 PM EST

Jim (716) 672-4218 Mike (716) 627-3762

ADD \$1.00 per order for postage

New York State residents add 7% Sales Tax

Ask for FREE Catalogue

Bianchi B-9 Belt or G. Davis #114 Belt	26.00
G. Davis Cal Challenger Low Cut #12450 L-C	69.00
G. Davis California Challenger #12450	69.00
G. Davis Wheel Whiz Revolver Holster	76.00
G. Davis Phoenix Special #11450	74.00
G. Davis Double .45 Mag pouch 2300	Single 14.00
Blocker Matchmaster Holster 5" or 6"	69.95
Blocker Double Mag Pouch, 458 Slant or Straight	28.95
Blocker Belt (All Sizes)	28.95
Rogers Steel Challenge Holster (6" Auto or Revolver)	67.00
Rogers Steel Challenge Holster (Stan. Auto or 4" Rev.)	61.00
Wilson Shok-Buff Kit (Govt. or Commander)	5.50
Wilson Shok-Buff Washers	1.00
Wilson Extended Ejector	18.95
Wilson Commander Hammer	18.95
Wilson Trigger	14.95
Wilson Beavertail Grip Safety (Blue or Stainless)	18.95
Wilson/Rogers Competition .45 Magazine	21.00
Wilson #81 Deluxe Sight	34.00
Wilson L.E-K Compensator Unit	250.00
Clark Pinnmaster Compensator Unit	270.00
Pro Shot Timer	185.00
Pro Timer II	265.00
Bornar BMCS Sight	50.00
Breskovich Advantage Grip System for .45 Auto	45.00
John Shaw Speed-E-Load Mag Well	26.00
King Drop In Wide Grip Safety (blue/stainless)	29.00
King Extended Combat Safety (blue/stainless)	22.00
Swenson Ambidextrous Safety for .45	48.50
Extended Replacement Pads for Wilson Mags	1.75
Wilson "Combat .45 Auto" Book	12.95
"Shoot to Win" by John Shaw	11.95
"Life Without Fear" by Mickey Fowler & Mike Dalton	9.95
Magazine Slam Pads: Black Checkered Neoprene	1.00
Quickloader Magazine Well	8.00
John Shaw's Magazine Pad	1.75
"I Shoot Hostages" Hat Pin	4.25

Nothing happened. Davis realized his slide was locked back and he was empty. His right hand went to the pouch sewn onto the inside flap of his crossdraw holster, and he quickly reloaded.

There was no movement in front of him. Davis got to his feet, the 9mm pointed at the still form sprawled across the shotgun. He jumped to a nearby four-foot fence and braced his two-hand hold against it. He saw other uniformed men emerge from the snowstorm as if from a fog, pressing their shotgun muzzles against the motionless body of his antagonist. Only then did he lower his pistol. He did not lower the hammer and holster the model 39 until he heard one of the other officers yell, "It's all over."

And it was over. Davis had fired eight Winchester 100 grain semi-jacketed softnose bullets, called "PowerPoints" by the factory. Four of them had found the target. DeBoer had taken one in the chest, one in the left side, and one in the neck, and he'd kept coming like The Terminator. Only the fourth and last hit, which caught the gunman in the face, had stopped him. The other three bullets had passed completely through, creating narrow, dimpled wounds: the eighth had exploded the brain and lodged inside, somewhat mushroomed. This had been the killing shot, and witnesses fixed it as either the 7th or the 8th of Davis' rounds.

Robotlike, Davis walked back and picked up his spent magazine out of a muddy pile of manure where it had fallen, and shoved it back into the mag pouch sewn onto the back of his flap holster. Suddenly, he was standing over Frank DeBoer as he was laid on a gurney. The chest still heaved with labored breathing, but the sergeant saw the wounds and knew instantly that survival was not possible.

He had become a creature of training at the

NEW!

EQUALIZER STUN GUN

30,000 Volt
Discharge
causes no per-
manent damage

"Protection
just a touch away"

Regular

\$8995

... ON SALE

for just

\$5995

plus \$3.00 Shipping & Insurance
30-day money-back guarantee

Send check or money order to:

EQUALIZER

P.O. Box 266385

Houston, TX 77207

moment the shotgun had faced him: the dive, the sight picture, the "firing until the danger is over" had all been programmed into him for 18 years by the State Police. This was the first time he'd had to shoot a man.

Yet, the training still held. Davis' first reaction was, "We've got to preserve the evidence." And, as someone else stripped the gunbelt and holstered .22 from the dying man's waist, it was Les Davis who thumbed the four rifled slugs out of the Ithaca's magazine, and pumped out of the chamber the empty shell that had almost killed him, and marked them as evidence.

Lessons

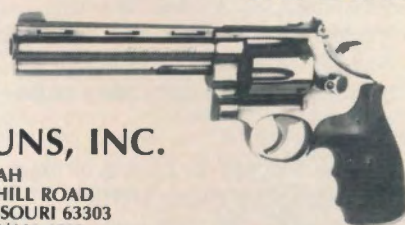
Being outgunned is the professional pistol-packer's nightmare. You don't get a whole lot more outgunned than facing a 12-gauge shotgun with an 8-shot 9mm pistol in your own hands. Yet Les Davis prevailed.

Let the questions be answered in Davis' own words. What saved his life? "The training and the practice on the range," answered the man who watched his sights and hit four shots out of eight at 66 feet in poor visibility, in a world where the average cop at 20 feet hits with one shot out of every four or five. Had he been doubtful of his gun, condemned by many Illinois troopers as well as many gun experts as a "minor caliber" weapon? "I'll never feel insecure with it again," Davis answered flatly, adding that he would feel more comfortable if hollowpoint ammo and belt pouches for spare mags were issued. Today, every Illinois trooper carries a model 439 pistol, special Winchester copper-jack-

Pin Guns IPSC Comps Basic to Full House Conversions



Caliber Conversions Action Tuning Smythons Built Sq Butt to Rd Butt



NU-LINE GUNS, INC.

Dept. AH
1053 CAULKS HILL ROAD
HARVESTER, MISSOURI 63303
(314) 447-4501/441-4500

PRECISION CHROME PROCESSING



2-6 WEEKS DELIVERY TIME
Dealer & Law Enforcement Inquire

Metaloy Industries, Inc.

THE METALOY HARD CHROME FINISH

- Phenomenal molecular bond, will not chip or peel
- Extremely hard satin finish (R/C 70)
- Super lubricity
- Excellent protection against rust
- All internal and external parts processed

METALOY INDUSTRIES, INC.

Route 3, Box 211-DM
P.O. Box 578
Berryville, Ark. 72616
Ph. 501-545-3611

IT'S BACK!



The Original Dirty Harry® Shoulder Holster For ALL HANDGUNS

4 to 6
WEEK
DELIVERY
• NO HASSLES
• NO DELAYS

Original
'Rich-Russett'™
Color Or
'Marauder'™
Black Model
w/ Black
Suede Lining

CATTLE BARON
LEATHER CO., Now
Holds The Rights to this
WORLD CLASS HOLSTER

WORN BY SHOOTERS IN OVER 21 COUNTRIES

• HOLSTER & HARNESS made Entirely Of TOP-GRAIN LEATHER NO ELASTIC—NO Split Cowhide is Used NO STRAPS VISIBLE ACROSS CHEST

• HOLSTER Is Made From EXTRA HEAVY HAND SELECTED TEXAS SADDLE LEATHER

• HOLSTER Is Lined With GENUINE SUEDE

• This Is THE ORIGINAL—Recommended As The 'Best' By More Gun Writers Than Any Other Holster in The World

• PRICES: 6-1/2" barrels or under \$89.95

7-1/2", 8" or 8-3/8" barrels \$99.95

10", 10 1/2" or 10 3/4" barrels \$109.95

(Left Hand Models—NO EXTRA CHARGE)

COLOR CATALOG \$3.00. Please add 5% to total of order for shipping & ins. in Cont. U.S.—ALASKA, HI, APO—Add 10%—FOREIGN—Add 20%.

DEALERS—Send \$3.00 & F.F.L. for Catalog

Credit Card Orders (512) 697-8900.

Send check M.O. VISA or M.C. to:

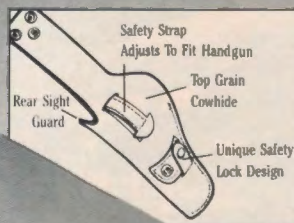
CATTLE BARON LEATHER CO.

P.O. Box 100724 Dept. AH-3, San Antonio, TX 78201

BEWARE OF CHEAP IMITATIONS

HUNTER

THE ONE TO HAVE ON YOUR SIDE.



Sure-Fit™ 2200 Series Holster

The new adjustable strap enables each size to accommodate numerous handguns. In addition to its flexibility, it is light in weight and long on durability.

• 11 sizes fit most handguns • Available in right and left hand • Patent pending
Send \$2 for complete catalog P.O. Box 467, Westminster, CO 80030

Made in U.S.A.

It's a long way to the top of the mountain. But sometimes a real climber can get there a little quicker than others.

The Springfield Armory 1911-A1 pistol has reached the top in record time, by becoming a popular favorite among shooters, gunsmiths, and firearms writers. How did we attain such heights so quickly and pass so many others on the way up?

First, we designed our pistol as an exact duplicate of the original M1911-A1 military pistol, with 100% interchangeable parts. All components are forged from steel for strength and stamina. (Stamina is a *must* for serious climbers.) Our 1911-A1 is hand assembled to guarantee perfect fit and uncompromising reliability. We've also included several of the features preferred by serious shooters and gunsmiths, like a factory lowered ejection port

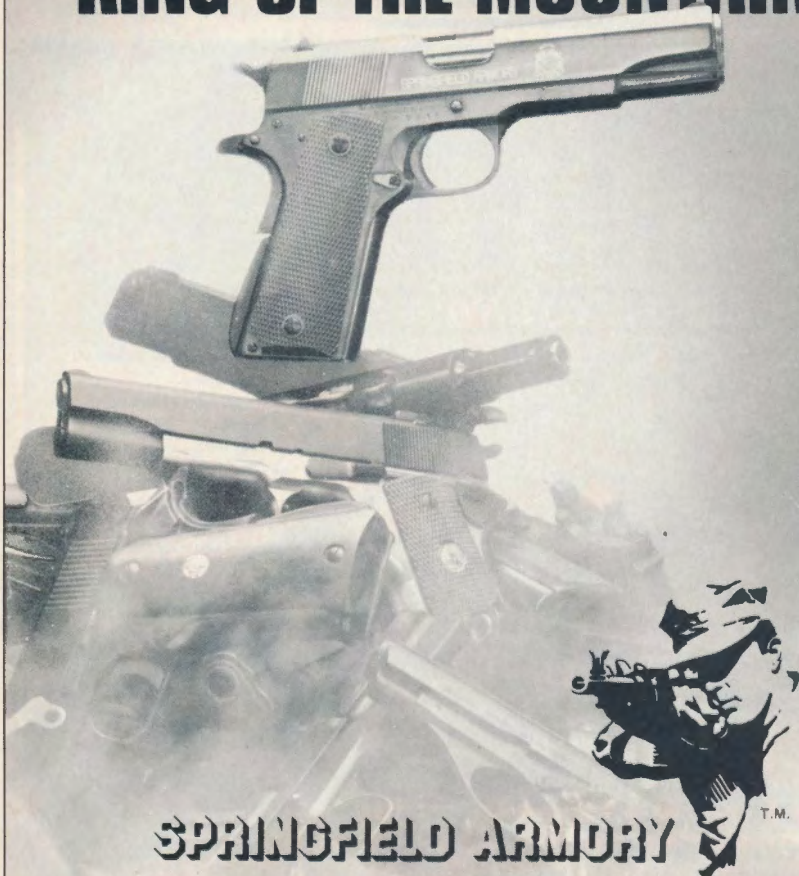
and the time proven Series 70 safety system. We even offer a choice of two finishes (military Parkerized or polished blue), a choice of two calibers (.45 ACP or 9mm), and a choice of either assembled pistols or unassembled kits. And, in final preparation for our climb to the summit, we've priced our 1911-A1 low enough to make it absolutely the best pistol value on the market.

To all the other pistol makers we left strewn in our wake on our climb to the top . . . to the deposed monarch who really didn't think we could catch up so quickly . . . we can only say: "You should have seen us coming!"

The Springfield 1911-A1. The NEW King of the Mountain. (*Between us, this was really no hill at all for a climber!*)

Send \$3 for current four-color catalog.

THE SPRINGFIELD 1911-A1 KING OF THE MOUNTAIN



SPRINGFIELD ARMORY

Section SR, 420 West Main Street, Geneseo, Illinois 61254
(309) 944-5631

eted hollowpoint 115-grain loads at 1400 fps "+ P +" velocity, and a spare magazine in a belt pouch.

During the shootout, a deputy had in fact fired a shotgun at the suspect. But the shotgun was loaded with #6 birdshot, a man-killer at point blank range yet thoroughly impotent at 66 feet. Most of the birdshot charge had spread out and missed the maddened attacker. Three pellets had struck him in the leg, causing him to show no more reaction than if he'd been bitten by mosquitoes. Davis today is contemptuous of any police administration that issues shotguns loaded with anything less than buckshot: Illinois troopers all have shotguns loaded with single Ought buck, with the option of using rifled slugs at their discretion.

Like many cops who've gone almost their whole career without having to shoot, and have then been caught up in the firestorm, Davis wondered for a time if he'd be able to do it again. "I was afraid of that," he told me. "If I'd had to shoot someone again so soon, I might have been branded a 'killer cop.' But it didn't happen, and if it does, I know now that I wouldn't hesitate."

Ballistically, we see that a suspect absorbed three 9mm rounds in vital zones with virtually no reaction until a fourth took out his central nervous system. This was the history of the softnose bullet in law enforcement. The only 9mm round in that configuration with a good track record was the 95-grain, dish-nose, Federal cartridge at 1400 fps that superseded the PowerPoint. This in turn was superseded by hollowpoint ammo. Note that three of the four bullets that solidly struck the attacker passed completely through, depositing little energy and making non-dynamic wounds. Fortunately, there were no bystanders behind the psycho gunman to be endangered by the exiting projectiles.

The Davis incident is also an excellent argument for the semi-automatic pistol in law enforcement. Davis recalls that his first shot, fired double action, missed. One wonders how many of the remaining five he'd have had in a double action "police special" that might also have gone wide of the mark.

Under fire from a heavily armed, charging opponent, Davis would not have had time to reload any type of handgun. He reloaded only after the opponent was down, unconscious, and dying from his final wound. Illinois State Police investigation, which encompassed interviews of all witnesses including Davis, indicated that it was either the 7th or the 8th round that reached the brain and shut off the cop-killing assault. Had Davis been armed with a six-shot gun, indications are that he and other officers might have been killed by the wounded tiger who had sworn to force police to kill him, and to die killing them in turn. DeBoer had, miraculously, let his brother-in-law go.

Post shooting trauma occurs even in the most righteous shootings, like this one. Sgt. Davis told me, "I lost a lot of sleep staying up and going over it again and again, wondering if there was some other way. I could never

Learn at Home in Spare Time LEARN GUN REPAIR

MAKE MONEY! HAVE FUN TOO! Start Right Now! No Previous Experience Necessary

IN YOUR FIRST LESSON we reveal a secret of ballistics that can increase your hunting accuracy so dramatically...**ALL YOUR FRIENDS WILL BEG YOU TO SHOW THEM HOW TO DO IT!** The men you shoot with will scarcely believe their eyes when they witness your sensationally improved shooting accuracy. (You may even have trouble believing it yourself!) It seems like a miracle—yet, it's part of your training on the way to becoming a gun pro. The way you do it is the simple application of revealing new information concerning ballistics that is explained with a simple, easy-to-understand chart that accompanies your first lesson. And this is just one example of the dozens of inside tips and gun secrets that will be revealed to you as you progress through this exciting course.

GUNS ARE BIG BUSINESS

Gun repair, custom ammo-making, sporterizing, custom stocking, sales—all are profit opportunities for the expert. Now, at home in spare time, you can learn the basics you need to become that expert. We do not know how many of our graduates have started their own gun shops, but we have letters on file from some who have. And we'll send you the results of a survey showing employment success of our graduates.

SEND FOR FREE FACTS!

TOP-FLIGHT GUN "PRO's" TELL YOU WHAT TO DO, HOW TO DO IT, GUIDE YOU EVERY STEP OF THE WAY You'll see how to take apart and repair almost every well-known rifle, shotgun, pistol and automatic. We take the mystery out of ballistics. Show you how to smooth up actions, fit and repair stocks, rechoke shotguns, customize handguns. Includes bedding techniques, stock inletting, fitting drop and pitch. Learn what the experts know about reloading. Special section on black powder guns. How to buy and sell guns for profit.

As a "Gun Pro" trainee at North American WE SHOW YOU HOW TO APPLY FOR A FEDERAL FIREARMS LICENSE If you qualify otherwise, you may obtain a Federal License to buy and sell guns, ammunition and accessories without inventory...while you are still a student at North American. This means you can begin making extra cash almost immediately—ordering guns for others on a cost-plus basis. It also helps you get started toward a business of your own...if that is what you want after you graduate.

Everything Explained in Easy-To-Understand Language so Even a Beginner Can Follow

Explanations include photos, diagrams, drawings and charts. We send you all the tools you need so you actually learn by doing as you follow the lessons. You receive catalogs, bargain bulletins, requirements for Federal Firearms License.

Special Tools and Equipment Included

You get precision gauges, fine gunsmith's screwdrivers, checkering tools, plus much, much more.



FIRST FOLD HERE

G82C

FIRST FOLD HERE

No postage necessary when you mail this entire post-paid ad

To Mail, Fold Ad in Following Manner:

1. Remove entire page—Tear or cut on dotted line to left.
2. Fold page in half on 1st fold lines.
3. Fold page again on 2nd fold lines.
4. Tape or glue the 3 open sides and **DROP IN THE MAIL BOX TODAY!**

Send Today for FREE FACTS

BEGIN MAKING MONEY EVEN BEFORE YOU GRADUATE!

Send Today for FREE FACTS and COLOR BROCHURE on how you can turn your hobby into A Money-Making Career!



YES! Rush me FREE FACTS and full information on how I can learn gun repair at home and become a Gun Pro. I am under no obligation and no salesman will visit me.

NAME _____ AGE _____

STREET _____ APT. # _____

CITY/STATE/ZIP _____

PHONE () _____

NORTH AMERICAN SCHOOL OF FIREARMS, Dept. NH017
925 Oak Street, Scranton, PA 18508-9989

A Subsidiary of National Education Corporation

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS Permit No. 1000 Scranton, PA

Postage will be paid by addressee

**North American
School of Firearms**
925 Oak Street
Scranton, PA 18508-9989

REMOVE AND MAIL ENTIRE PAGE

REMOVE AND MAIL ENTIRE PAGE

SECOND FOLD HERE

SECOND FOLD HERE



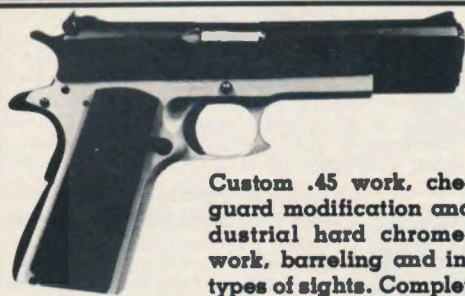
Custom Pistols

J. MICHAEL PLAXCO

Highest quality workmanship by a champion competitor:

- Member World Champion USA IPSC "Gold" Pistol Team, 1982
 - Twice Winner Mid-Winter Targetworld Championship, 1980 and 1982.
 - Third Place in USA IPSC Nationals, 1981
- Developer of the Plaxco Compensator System

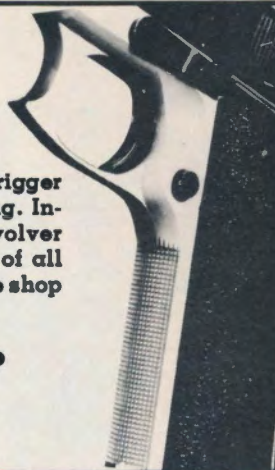
For more information and gun specifications:
J. Michael Plaxco, Rt. 1 Box 203
Roland, Arkansas 72135 501-868-9787



Custom .45 work, checkering, trigger guard modification and accurizing. Industrial hard chrome. PPC revolver work, barreling and installation of all types of sights. Complete machine shop for all of your needs.

JACK'S GUN SHOP

3911 W. Waters Ave.
Tampa, FL 33614
(813) 932-8824



For the finest Handgun Grips

CALL TOLL FREE

1-800-GET GRIP IN CALIFORNIA CALL 805 / 466-6266

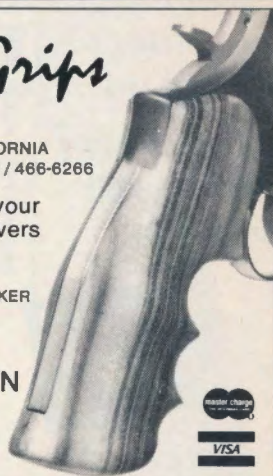
For FREE brochure, information and the location of your nearest Hogue dealer. Models to fit all popular revolvers and automatics starting at \$12.95.

HOGUE GRIPS ORIGINATOR AND MAKER OF THE MONOGrip®

HOGUE HAS THEM ALL . . .

FANCY HARDWOODS • ORIGINAL NYLON
NOW IN SOFT RUBBER

If unavailable at a dealer close by, order direct.
Visit us at Booth #2950 at the SHOT SHOW.



find another way."

The felony-stop tactics when the DeBoer vehicle was initially pulled over were not suitable for policemen dealing with a man known to be a heavily armed potential psycho. Fortunately, the wounded officer survived. It is assumed that remedial training in felony car-stop tactics was undertaken by the departments involved. In fairness, however, one should note that it's one thing to do a textbook carstop in the Police Academy parking lot, another thing to do it for real in the presence of an innocent bystander, and on a sleet-swept country road.

A critical learning point is the necessity, when under fire, to keep shooting until the danger has been neutralized. Consider that Davis and the others were in immediate and lethal danger until Davis' 7th or 8th shot dropped DeBoer. The final word on this was the statement by Winnebago County Coroner James Peterson, who after reviewing all the evidence said simply, "It is a good thing Les emptied his weapon."

The bottom line? A pistol can beat a shotgun, if the tactics and marksmanship and cool discipline under fire are there to go with it. Like every other cop who had come close to "putting in his twenty" without having had to use his weapon on the street, Davis had privately wondered if he could really do it if it came down to gunfire. Like most of the others, he discovered the truth for certain only when he found himself in the crucible, and learned that his training had held.

The author wishes to thank the Illinois State Police, Trooper's Lodge #41 FOP, and especially Sgt. Glessner Davis for their contributions to this article.



ACCURIZE

YOUR OWN .45 AUTO, COMMANDER OR BROWNING HI-POWER

Stainless steel barrel, bushing link & pin match grade	\$121.00PP.
S&W Model 39 & 59 STAINLESS STEEL BARREL & BUSHING	\$150.00 PP.
Stainless steel Browning Hi-Power barrel match grade	\$150.00 PP.

BAR-STO PRECISION MACHINE

73377 Sullivan Road, AH
29 Palms, CA 92277
(619) 367-2747

ALLOW 12 TO 16 WEEKS FOR DELIVERY

Wichita Insta-Comp



The Affordable Alternative

No Gunsmithing Required
\$99.95 without sight
(Model WIC-1)*

The Wichita Insta-Comp has been designed for the competitive and non-competitive shooter.

The gas chamber inside the Wichita Insta-Comp is designed to capture the gas and exhaust it through the two vertical ports. With this arrangement, combined with the additional weight, the muzzle jump is reduced significantly.

EASY INSTALLATION No Special Tools. No Fitting. Nothing else to buy.

Remove your barrel bushing and recoil spring plug. Replace with the Wichita Insta-Comp and our recoil spring plug. You are now ready to shoot your comped gun.

Model WIC-2 has a front sight (target or combat, your choice) \$119.95

Model WIC-1 or WIC-2 and our slide conversion** \$234.95

(Bury rear Wichita Sight, permanently mounted. Front sight on slide or comp. Mill flat on top of slide, and lower port for easier ejection)

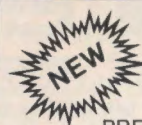
*Firearm, slide or rear sight not included.

**We need your slide sent to us for this work.

Dealer prices available
Send signed FFL

Wichita Arms, Inc.

444 Ellis, P.O. Box 11371, Wichita, Kansas 67211
(316) 265-0661



MINI SIGHT



ADJUSTABLE
PRECISION SIGHTING
— COMPACT SIZE —



Only

\$49.99

IDEAL FOR POCKET
PISTOLS AND MANY
LARGE FRAME AUTOS

MINIATURE MACHINE CO.

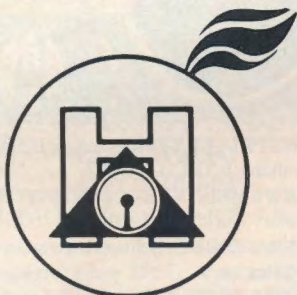
210 E. Poplar St. - Deming, NM 88030
(505) 546-2151

WHY MESS WITH SUCCESS?

53% of the 1984 Winning bench rest shooters used Hodgdon powders*... That's not an idle claim. It's a proven fact in the record books. Simply put, it tells anyone serious about reloading that the Hodgdon folks know what they're talking about when it comes to smokeless powder... So if you're interested in success for your hunting or competition efforts, stick with a proven winner—Hodgdon Powders, available from your local dealer.



Now available in new easy-to-pour 5 lb. jug.



HODGDON POWDER

The favorite of handloaders since 1946.

NEW!...Hodgdon Collectibles

Pick a Hodgdon Shootin' Cap, comfortable open collar knit shirt or the Hodgdon English Ironstone Coffee Cup. Order yours today.

— Hodgdon Shootin' Cap (\$4.95)

— Red Knit Shirt with pocket emblem (\$19.95)
☐ Small ☐ Med. ☐ Lg. ☐ X-Lg.

— Hodgdon English Ironstone Coffee Cup (\$5.95 or 2 for \$10)

Name

Address

City, State, Zip

Total Amt. Remitted

Send check or money order to: Dept. AH03
Hodgdon Collectibles, P.O. Box 2932,
Mission, KS 66201.

THE MASTERS

Continued from page 39

150 and 200 meters. The standard crosshairs are set for 100. Premiere can whip up any reticle you can imagine for your gun, your caliber, your bullet drop (Premiere Reticles, Dept. AH, Rt. 3, Box 369, Wardensville, WV, 26851, (304) 874-3917).

The Model 29 resurrected itself from a hohum, keep-em-on-the-paper stock gun into a razzle-dazzle clever-leaf-grouper by way of its passage through Maryland Gun Works. MGW's Lou Ciamillo, president of the *American Pistolsmiths Guild*, installed one of his front-end lockup barrels, like the Dan Wessons, in eight-inch length. Lou slicked up the action for a remarkably crisp and light SA pull and a smooth, glitch free DA. Retiming and relocking the crane added to the 29s accuracy. The 29 favors Sierra's 250 gr. silhouette bullet and WW 296 powder. Hogue Combat grips of gorgeous Kingswood stocked the N-frame.

For the Precision Event, Olympic medalist Don Nygord performed a surgical trigger job, two pounds and crisp as crackers, on the author's M-41 Smith. A Bo-Mar rib with its precise rear sight click adjustments aided a muzzle heavy balance. Herrett stocks with an integral palm rest and sharp, handcut checkering gave purchase to the 41. Best accuracy resulted with RWS R-50 ammo.

Bob Cogan of Accurate Plating and Weaponry was chosen to convert a S&W Model 645 to single-action and install Cogan's effective compensator. Bob replaced the 645 hammer, trigger, sear and disconnector with Model 52 parts to achieve an astonishingly crisp SA trigger. He welded up the awkward Smith safety to minimize the problems of engaging Smith's upside down safety lever. Stippling and recut checkering aided a firm grip.

The Cogan 645 would not function with any handloads, so Federal Match hardball was selected, a bit of a stout load for speed shooting. This was a blessing in disguise, though, as four missed plates fell to the power of the 230 gr. hardball walloping the plates' bases.

SPORTSMANS STEEL SAFE CO. AMERICAN HANDGUNNER SPECIAL

	750 LBS 68Hx30Wx25D \$699.95 Chrome Cross Bolts, Combo Lock
	500 LBS 63Hx30Wx20D \$569.95 Heavy 1/4" Door Chrome Bolts & Combo Lock
	Special 42" Wide 835 LBS 42Wx72Hx25D \$799.95 Chrome Bolts & Combo Lock

Featuring Sgt. Greenleaf Locks Interiors Optional

We beat everyone's prices
COMPARE
Send for our color brochure

SPORTSMAN SAFE MFG. CO.

20315 Tajauta St. Call or write to order
Carson, CA 90746 213-635-7322

I P S C Shooting Supplies

All items are
FREIGHT PAID
to the original 48 states

ERNE HILL SPEED LEATHER

Colt Govt & Comp models. Holsters are made in 1/2" increments for perfect gun fit. 5", 5 1/2", 6", 6 1/2", 7". All items in stock. Black Basket available by special order. Call for help when ordering if needed. We're always glad to help.

	Plain	Brown
666 Leatham/Enos Series	74.00	84.00
666F L/E New Fender Model	84.00	94.00
Fender model holds gun slightly away from body for faster draw.		
Revolver S&W K-L-N Frames 4" & 6"	75.00	85.00
PPC 6" K Frame open front for ribs & scopes	79.00	89.00
Single Mag Pouch—Angle Adjustable	20.00	26.00
Double Mag Pouch—Available		
Straight, Angle Front, or Angle Back	28.00	34.00
Double Speed Loader Pouch w/tension screw	28.00	34.00
Triple Speed Loader Pouch w/tension screw	32.00	38.00
Competition Belt (spring steel lined)	38.00	48.00

WILSON COMBAT

Match Trigger	15.00
6 Shok Buffs	6.00
3-Dot Sights	34.00
Extended Thumb Safety (Blue/SS)	24.00
Extended Slide Release (Blue/Stainless)	26.00
Commander Hammer	19.00
Stainless Hammer	23.00
Recoil Springs 9,10,12,13,15,17,18-1/2 lb. for Gout	4.00
Recoil Springs 12 & 20 lb. for Commander	4.00
Group Gripper Govt/Commander	22.00/27.00
Recoil Guide Rod	24.00
Barrel Bushings (Blue/Stainless)	13.00
Extended Ejector 45 or 38 Super	19.00
7 Round 45 Auto Magazine	21.00
8 Round 45 Auto Magazine	25.00
Recoil Guide Rod Kit w/Springs & Shok Buffs	33.00
Beavertail Grip Safety (Blue/Stainless)	19.00
The Combat 45 Auto Book By Bill Wilson	12.00
Checkered Front Strap (Blue/Stainless)	15.00
LE-K 45 Auto Compensator Kit	245.00
LE-K 38 Super Compensator Kit	265.00
Barrel Link Kit Includes 5 Links	21.00
Slide Thumb Guard	14.00
2 Piece Guide Rod	34.00
Extended Magazine Release	21.00

ROGERS HOLSTERS

	Plain	Black
Combat Assault	68.00	74.00
Steel Challenge 4" rev or 5" auto	82.00	N/A
Steel Challenge 6" rev or comp auto	67.00	N/A
Cup Challenge round or slab barrel	68.00	N/A
Competition Belt	37.00	45.00
Double Mag Pouch	21.00	21.00
Triple Mag Pouch	31.00	36.00
Idaho Reloader (straight or canted)	14.00	14.00
Speed Loader Holder (triple)	16.00	N/A
Please specify when ordering: Holster cant, R or L hand, finish, and gun model & barrel length.		
Model P—Muzzle forward. Model H—Muzzle rearward.		

EASY TO ORDER!

Mail in your order along with certified funds,

OR

Call in your order between 10am–5pm cst. We accept Visa, MasterCard and ups COD. We will process your order and have it on its way back to you the same day. Please describe your order as clearly as possible and be sure to include your phone number.

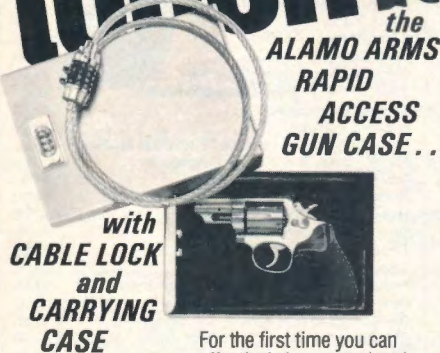
Feel free to call anytime if you have questions about any of the items listed or for help with ordering.

DENNY'S SHOOTERS SUPPLY, INC.

P.O. Box 402-A
Cedar Falls, Iowa 50613
(319) 277-3171

Dealers Please send FFL for Dealer Prices
Life Member USPSA Life Member NRA

for gun safety ...you can't touch it



For the first time you can effectively have your hand gun readily accessible in your home, office, car or recreation vehicle and still locked and safe. It cannot be moved unless you want it moved, so you will know exactly where it is at all times.

Three safe, strong secure sizes:
SM - 6" X 4 1/4" X 1 3/4" - \$159.95
MED - 9 1/2" X 6 1/2" X 2 1/4" \$179.95
LG - 16" X 7 3/4" X 2 3/8" - \$199.95

**Clip out coupon and
mail today! or call
(619) 232-4065
for more
info**



- ☐ I wish to order my Alamo Arms Gun Case NOW.
- ☐ small ☐ medium ☐ large
- ☐ Please send me more information
- I prefer to make payment by: ☐ check ☐ money order ☐ credit card ☐ -Visa ☐ MasterCard ☐
- Card # _____ exp. _____

Add \$3.00 for postage/handling. CA residents add 6% sales tax. • 30-day return guarantee

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Amount enclosed _____

Alamo Arms 2174 Kettner Blvd., San Diego, CA 92101

Certain guns were noticeable by their absence. The author predicted a few .44 Auto Mags would show up the Long Range Event, but none were seen. Perhaps all of the Auto Mags are in the hands of collectors, not shooters. Shame, because an Auto Mag would do well in this silhouette stage.

A few T/C Contenders put in an appearance, mostly in silhouette calibers like 7 TCU, but the lack of an ejector in the T/C renders it competitively inferior under the tight time limits of the Long Range Event. You're really huffing and puffing to pluck out the spent case, grab a fresh one, insert it and snap shut the action.

Dan Wesson revolvers, hailed in IHMSA Revolver category, were few and far between. Carter Jones, IHMSA Standing record holder (37), fired a .44 Magnum Dan Wesson with a 3X Burris. The author didn't run across any .357 Maximum Dan Wessons, an excellent gun for this event, but he suspects there were some out there.

Pachmayr's Dominator, a bolt action top-end for a Colt Gov't Model frame, saw some action in Paul Liebenberg's hands. The La Crescenta, Calif., pistolsmith placed first in Pro class with the help of his 7mm IHMSA Dominator. But wait, surely the Dominator would be even worse than a T/C to reload what with its "shell holder" breech face. Yes, except that Paul's Dominator was modified to extract and, more importantly, to eject. Paul shot with Bo-Mar iron sights.

The 1987 Masters will be August 5-8 and there are two predictions to make. First, the scores will skyrocket.

The Long Range Event was won with 31 out of 45. Next year, I forecast, the stage will be won with a low-40s.

The Precision Event was won with 27 out of 45. Next year look for a high-30s to take top spot.

The Action Event, according to reliable sources, will be altered making a prediction here impossible.

The second prediction involves the turnout. Only 117 shooters gambled on a new match, but now that The Masters has proven it is the most dynamic match around, the organizers will have to refuse many shooters when they reach the limit of 225 competitors. The 1987 match will be filled to capacity, I predict.

Furthermore, this influx of shooters will come from the Sportsman class. I predict 50 Pros and 175 Sportsmen.

SKEETER SKELTON'S CUSTOM GRIP DESIGN

Now available in exotic woods of your choice. Traced outline of gun hand assures a tailored grip fit. Send \$1.00 for new brochure.

Bear Hug Grips
P.O. Box 25944, AH
Colorado Springs, CO
80936 • (303) 598-5675



HIGH-QUALITY RWS PELLETS



THEY'RE THE BEST PURE AND SIMPLE!

Airgun accuracy can be achieved only from using quality pellets.

RWS High-Quality Pellets set the standards by which others strive to attain.

We believe at RWS that the best pellets can be produced only when the purest of raw materials are combined with the latest technological advances, under the highest level of quality control.



RWS PELLET TYPES - ask for them by name. Available in Cal. .177 & .22.

- * **RWS MEISTERKUGELN MATCH** - Holds more World Records than any other pellet.
- * **RWS HOBBY** - Delivers high-velocity at a low price.
- * **RWS SUPERPOINT** - For penetrating results in the field.
- * **RWS SUPER H POINT** - Hollow point / expansion pellet.
- * **RWS SUPERDOME** - Our latest addition, for target practice and general use. Round-headed.
- * **RWS STANDARD** - For all-around shooting.



**Write today, ask for the
"PRECISION PRODUCTS" Catalog.
Send \$2. for 1st class, \$1. for 3rd class, to:
DYNAMIT NOBEL OF AMERICA INC.
105 STONEHURST CT., NORTHVALE, NJ 07647**

Attention!

COMBAT SHOOTERS

Now you can purchase the accessories you need in one convenient place. We offer:

Extended Safeties - Blue or SS	\$18.50
Ambidextrous Safeties - Colt	\$3.00
Swenson	\$5.00
Extended Slide Release	\$19.50
Wilson-Dwyer Group Gripper - Gov't	\$25.95
Comm	\$31.95
Wolff 18 1/2 lb. Spring kit	\$7.20
MKIV recoil spring (18 1/2)	\$2.00
Shok-buff (w/spring)	\$6.35
Buffs only (6-pack)	\$6.35
MMC Fixed Sights (whiteout line and bar-cross)	\$32.00
Millett Fixed Sights	\$39.95
Bo-Mar Adjustable sights	\$52.00
Wichita Adjustable sight	\$49.95
Beaver-tail grip Salfey - Colt	\$26.00
Wilson	\$19.00
Long Match Triggers	\$10.40
w/ 3 lightning holes	\$16.50
Magazines - Colt - Blue	\$16.50
Wilson - SS	\$21.95
Flat Mainspring housing Colt - ckd	\$25.00
Pach	\$9.95
Colt Barrel & Bushing sets	\$54.50
Colt Commander Hammers	\$16.50
Micro bushings	\$9.50
Extended Recoil Spring Guide	\$28.00
Bianchi - 50 P	\$44.50
50 P for Compensator	\$49.50
Askins Avenger	\$35.10
Rogers Idaho reloader	\$6.75
Roger E-Z load	\$6.35
Bianchi Clipgrip	\$20.50
Bianchi Lightning grips	\$22.00
Hogue Grips (smooth)	\$19.95
Pachmayr grips	\$17.50
IPSC Hat Pins	\$6.75



SS Comp - installed, blued and test fired on your gun. (Write for complete information) \$185.00

☆☆☆☆☆☆☆☆☆☆☆☆☆☆

FREE CATALOG UPON REQUEST

☆☆☆☆☆☆☆☆☆☆☆☆☆☆

We have considerable experience in performing IPSC style modifications. We are also a Colt's Warranty Repair Station and carry a wide variety of Colt Parts. Inquire for details.

We offer a complete money back guarantee.

☆☆☆☆☆☆☆☆☆☆☆☆☆☆

Forward Correct remittance in cash, check or M.O. along with 10% or \$2.50 postage to:

SHOOTIST SUPPLY

622 5th
Belle Fourche, SD 57717

C.O.D.'s Welcome
or call your Visa
or Mastercharge orders to:
(605) 892-2822

By the time you read this, the field may already be full. For entry information, contact Roy Jinks, Match Director, at Smith and Wesson, P.O. Box 2208, Springfield, MA, 01102 or call (413) 781-8300.

Oh yes, one last go-round with the crystal ball. As I predicted correctly for 1986, an IPSC shooter will win the 1987 Masters.

The Masters course of fire draws from the three principal disciplines of competition handgunning. The Precision Event is for bullseye enthusiasts and utilizes Olympic targets found in the Biathlon event in which athletes combine alpine skills (skiing) with rifle shooting. The Precision Event targets are falling plates at 25 and 50 meters. The targets are either 4.5 or 1.77 inches in diameter. Shooting is with .22 rim-fire pistols. Time limits are fixed varying from one shot in three seconds to five shots in 120 seconds. NRA bullseye rules govern the equipment.

The Long Range Event is for silhouette shooters with knockdown steel targets from 75 to 200 meters. Targets are round, ranging in size from 6 to 12 inches in diameter. Time limits are tighter than in IHMSA, as short as 90 seconds for 10 rounds. Like in IHMSA, a target that doesn't topple, doesn't score. IHMSA Unlimited rules for handguns govern the equipment.

The Action Event attracts IPSC, PPC, NRA Action and various off-shoots of speed shooting such as bowling pin blasters and Steel Challenge hosers. Range is close, targets are big (10 and 12 inch plates) and shooting begins with the gun in leather. Time is your score. Fastest time to knock over the targets wins. Any centerfire handgun of .32 caliber or larger may compete.

An optical sight may be used in one event, and the competitor chooses which event.

Most shooters picked the Long Range Event for a scope, but some savvy contestants selected the Precision Event for an Aimpoint optical sight. In hindsight, it appears the Precision Event begs the use of an optic more so than the Long Range Event. Those itty-bitty 1.77" disks at 50 meters make harsh demands on sight alignment with iron sights.

For a complete, official course of fire, send a self-addressed stamped envelope to The Masters Course of Fire, Roy Jinks, P.O. Box 2208, Springfield, MA, 01102. Then you too can shoot The Masters at your local club!



RELOADING 32-20

Continued from page 32

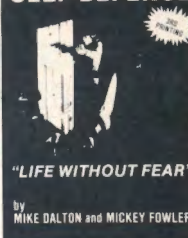
groups were blamed on various things—powder, primer, reloads and myself. I was out on the range with my 6.5 mm getting varying results with my pet load when a friend wanted to borrow my Pachmayr foregrip as he had forgotten his at home. We put the Pachmayr on his and replaced mine with the wood grip from my 10" bull barrel and went back to my shooting.

The reloads which had been printing three-inches 30 minutes ago were now 1 1/2"



"LIFE WITHOUT FEAR"

HANDGUNS and SELF DEFENSE



\$10.95

Soft cover

\$16.95

Hard cover

\$24.95 Hard,
autographed
and numbered

World champion handgun shooters Mickey Fowler and Mike Dalton teach you how and when to shoot. Enhance your ability to survive. Areas covered: safety • marksmanship • tactics • legal • women • technique • crime • guns and equipment • ammunition • 150 photos.



DRY-FIRE KITS

PRACTICE AT HOME
IMPROVE YOUR SKILLS

ISI LOGO PRODUCTS

Dry Fire Kit	3.95
Hat Pins	4.00
Hats (Baseball Type)	6.00
Golf Shirts	14.95
Sweat Shirts	12.95
T-Shirts w/pocket	7.00
Belt Buckles	
Gun Belt 1 1/4 - 2"	12.95
Dress Belt 1-1 1/4"	12.95
ISI Patches	2.00

Add \$2.00 per book or \$1.00 per logo item for postage and handling on all ISI logo products. Money order, Visa, and Master Card, (send number and expiration date) shipped immediately. Personal checks allow 3 weeks for delivery. Ca. residents add 6 1/2% sales tax.

CLASSES FORMING

2 day and 5 day courses in self-defense or competition available. These international experts and Combat Masters will teach you to fire fast controlled shots, with the mental conditioning to obtain pin-point accuracy, and fulfill your personal goals!

Send \$2.00 for complete 8 Page
Brochure and Information Packet
to



DEPARTMENT A.H.
P.O. BOX 5254, MISSION HILLS, CA. 91345

#60 TK ROADRUNNER HOLSTER FOR COLT GOV'T MODEL, COMMANDER, AND BROWNING HP

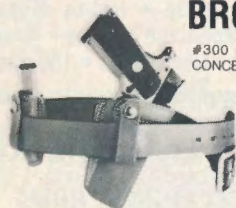


MILT SPARKS

BOX 187, DEPT. AH
★ IDAHO CITY, IDAHO 83631 ★
(208) 392-6695

HANDCRAFTED HOLSTERS AND BELTS FOR SERIOUS HANDGUNNERS, FEATURING PRACTICAL DESIGNS FOR COMPETITION AND CONCEALMENT.

SEND \$2.00 FOR OUR BROCHURE.



#300 SUMMER SPECIAL CONCEALMENT RIG

HP38

PISTOL POWDER



**SUPERB
FAST
TARGET
POWDER**

- EXCELLENT TARGET LOAD FOR .38 & 9mm CALIBERS
- ECONOMIC—UP TO 2000 ROUNDS PER POUND
- BURNS CLEAN
- BALLISTICALLY CONSISTENT
- METERS WELL
- MADE IN U.S.A.
- 1 LB - 5 LB - 8 LB KEGS

FOR FREE 32 PG. DATA MANUAL WRITE TO:

HODGDON POWDER CO.
DEPT. AH-03 P.O. BOX 2932
SHAWNEE MISSION, KS 66201

at 100 yards. I was excited to say the least. What had caused this sudden shrinking in group size? Could something as simple as changing the foregrip change the group size that much? There was only one way to find out.

He was shooting around a 2" group—he swapped foregrips again and he shot 5 more to show a 50% reduction in group size. Mine opened up again! We did not stop there. He was using a Pachmayr hand grip and I had been using a wood "Hunters" hand grip, so we swapped and his groups stayed about the same, but mine closed up a little, about 1/4", with the Pachmayr hand grip and wood foregrip. The groups were tighter, but therein a problem arose.

When shooting silhouette there is a 4 lb. weight limit. The Pachmayr hand grip put the Contender over by 3 1/4 oz. which would have to be shaved off; no easy task as it was already stripped to the bone! In the mean time Ron had put his own hand grip back on his Contender and fired 5 more rounds. The group almost doubled, and the only change had been the hand grip. He still had his wood foregrip on, so we decided to put my hand grip back on his and fire a few shots. The group closed back up. Why?

After thinking about it for a few minutes we found that there was a lock washer in the handle and his didn't have one. We put one in his handle and the group closed back up. How could something as simple as a lock washer change group sizes? Why does the Pachmayr hand grip close groups up and the rubber foregrip open them up? We presented these

SUPPORT THE ADVERTISERS IN THESE PAGES!

NEW! The MERCENARY™

"Worn By Adventurers & Bodyguards Worldwide"

THICK PRISONER RESTRAINT STRAPS

AFRICA MIDDLE EAST CENTRAL AMERICA

The PROS Wear The MERCENARY™

• THICK, TOUGH ALL LEATHER HOLSTER & HARNESS

• Cocked & Locked or Hammer Down Carry w/ Anti-Grab Thumbsnap

• Carries YOUR GUN & KNIFE Over Camo Gear

Or Under A Tux. A TRUE URBAN, DESERT, FOREST or TROPICAL SURVIVAL RIG.

Lined in Glove Leather. Available in Ruddy-Brown color or Nite-Black*

only \$79.95 plus 5% S&H Foreign Add 20%

Left-Hand Shooters—NO EXTRA CHARGE

CREDIT CARD ORDERS CALL (512) 697-8900

Send Check, M.O., VISA OR MC TO:

SHOULDER HOLSTER .SIG P226 & All S & W AUTOS BROWNING Hi-Power BERETTA 92 & 84. SIG P220

(Specify Gun Model)

• COMBAT • SURVIVAL • CONCEALMENT

COLOR CATALOG \$3.00

4 to 6 WEEK DELIVERY

• NO HASSLES • NO DELAYS

Adapts to BELT USE INSTANTLY

Dealers Send FFL Plus \$3.00

CATTLE BARON LEATHER CO. P.O. BOX 100724 Dept. AH-3 SAN ANTONIO, TEXAS 78201

Beware of Cheap Imitations

INSTINCT COMBAT SHOOTING

Defensive handgunning for police officers. First time offered to the public. Previously only published in Police Journals. Now in book form. Written by Police firearms instructor. \$5.95 PPD. Send check to: Chuck Klein, Patriot, IN 47038



**BAER
CUSTOM GUNS**

**DESIGNER COMP II SYSTEM
PATENT PENDING**

**KART N.M. BARREL — TAPERED CONE SYSTEM
FULL LENGTH GUIDE SYSTEM — PERMANENTLY FIXED
WITH OUR UNIQUE SILVER BRAZING TECHNIQUE
GUARANTEED 2 1/2" - 10 SHOT GROUPS AT 50 YDS.
ALL I.P.S.C. MODIFICATIONS AVAILABLE**

**SEND A
BUCK FOR
CATALOG**

**PISTOLSMITH PROFILE JULY-AUGUST 1985
P.P.C. AND BIANCHI REVOLVERS
X-RING ACCURACY — DOUGLAS BARRELS
BAER CUSTOM REVOLVER PORT SYSTEM
FULL LENGTH RIBS — SMOOTH DOUBLE ACTION
CUSTOM X-P 100's — LONG RANGE CALIBERS**



1725 MINESITE ROAD ALLENTOWN, PA 18103 PHONE 215-398-2362

questions to one of our local benchrest shooters and his only reply was—vibration.

With a little more experimentation a rubber O-ring was added between the lock washer and the wood grip. The group closed up for me but didn't help Ron's any.

Through all this I learned that even after you find a load that works well in your Contender, the work still isn't done. Those groups can still be trimmed if you play around a little. You shouldn't stop with just the load. As if there isn't enough to do already!



CONVERSATION

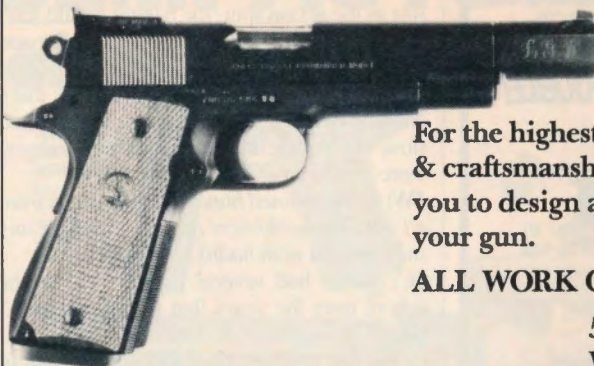
Continued from page 30

was, "Look at that guy—that's no way to shoot." We were all excellent hip shots—or rather point shots. Thell Reed was the best. I've seen him reliably knock down iron chickens at 50 meters from the hip. I don't mean once, I mean three out of five. And his misses would be by inches. It proves that if you practice enough, you develop a kinesthetic appreciation of where your forearm is and you can really ring those bells. But nobody could catch Jack once he started using his own two-handed stance.

I conceived and founded the discipline; I promoted, ran and shot in the first contest of this type, and about three years after that Jack invented the stance. I resisted it at first; it took me about two years to learn what Jack had to teach. When I finally went over to the Weaver stance, everything clicked into place.

Jack's dexterity with a revolver was phenomenal. I don't know anyone who can match it to this day. I know Enos and Leatham shoot well with a revolver, but I'm talking about dexterity. There weren't any speed loaders in those days, so Jack would load three rounds at a time. As the second three went in, the

LaRocca Gun Works, inc.



Basic Street
to Full House
Competition

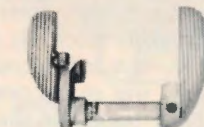
For the highest reliability, quality & craftsmanship. Let us work with you to design and customize your gun.

ALL WORK GUARANTEED

51 Union Place
Worcester, MA 01608
(617) 754-2887

Home of the Rock-Well Mag Funnel

BROWNING HI-POWER COMBAT ACCESSORIES



AMBIDEXTROUS COMBAT SAFETY

Now right or left hand safety operation for the Hi-Power. Exclusive design will positively fit and work. Practically indestructible and guaranteed against breakage.

\$75⁰⁰ ppd



EXTENDED SAFETY

Positive safety operation with no more "fumbles". Rounded corners eliminate snagging on holsters or clothing. Simple, drop-in installation.

\$32⁰⁰ ppd



EXTENDED SLIDE RELEASE

Release slide without shifting grip, speeds reloading when you "run dry". Specially designed for the Hi-Power, simply replaces standard release.

\$349⁵⁰ ppd

STAINLESS STEEL MAGAZINE

Genuine stainless steel magazine custom reshaped to feed properly.

\$29⁰⁰ ppd



COMBAT MAG. RELEASE

Sculptured magazine release will not snag or release accidentally. Designed for Browning Hi-Power and Colt autos. Easy to install, just drill and tap one hole. (Installation available for \$21⁰⁰ ppd)

WIDE TRIGGER

Reduces left trigger pull for better control. Exclusive design is better than a trigger shoe, will not snag holster on draw or insertion. Drop-in installation, also eliminates magazine safety.

\$32⁰⁰ ppd

PLEASE NOTE...
All prices are for blue parts, stainless finish available, please write or call for prices and delivery.

Extensive combat modifications are available!
Send \$3.00 for our catalog. Send \$6.00 outside U.S. \$10

TO ORDER

Send Money Order or Cashier's Check only. MasterCard Visa orders welcomed, please supply complete card information including expiration date. Sorry, no C.O.D. orders. Phone orders accepted for credit cards only. All orders prepaid via U.P.S. in the continental U.S. Alaska and Hawaii, please add \$1.50 per item. Please furnish street address for delivery.



CYLINDER & SLIDE SHOP, INC.
P.O. Box 937
Fremont, NE 68025
Ph.: (402) 721-4277

JARVIS GUNSMITHING



JARVIS
COMPETITION
L-FRAME
W/MT-2 Mount
& Jarvis
L-Frame
Underweight

JARVIS
AIM POINT MOUNT
• For Bull Barrel Rev.
• Fits MK-3 & New 2000
Aimpoints & Scopes

\$27
plus
\$3.50
shp.

MT-2 AIMPOINT/SCOPE MOUNT

- 6", 8" 10" barrel L frames & some K & N frame models
- Avail. in blue & silver
- S & W sights may be used w/ mount attached

\$33 +\$3.50 SHP

JARVIS L FRAME UNDERWEIGHT

- Slips over barrel lug
- Adds 9 oz. under barrel to reduce recoil & muzzle jump
- Avail. blue or silver
- Blue \$49; Silver \$52 +\$3.50 SHP

BULL BARRELS FOR S&W

Available in the White:
• 4", 5", 6", 7" Length
• 1" or 1 1/4" Diameter
• Slab Side or Round
• Cal. .38, .44, .45
• 7-in Gas Ported



Pin Guns/PPC Guns

Compensator
Kits

4418 Larkstone Cr., Orange, CA 92669 • (714) 771-1412
Send \$1.00 for Catalog of Competition Handguns

INTERNATIONAL



Be a full-fledged member of IHMSA for only \$20 per year.



IHMSA MEMBERSHIP APPLICATION

Membership in IHMSA is \$20 per year, which includes an attractive membership and classification card, a handsome patch which is the official emblem, a set of scale templates for making full-size official silhouette targets, and a subscription to *The Silhouette*, the official publication of IHMSA, which contains the rules, a schedule of match dates and results from all over the country. Your membership kit will be mailed first class together with a current copy of *The Silhouette* the same day your application is received.

If this is a renewal, put your IHMSA number here _____

Name _____

Address _____

City _____ State _____ Zip _____

Mail this coupon with check for \$20 made out to:

IHMSA * Box 1609

Idaho Falls, Idaho 83401

NEW!
1 1/4" BELT

**DRESSED FOR
PEACE...
ARMED FOR
TROUBLE!**



THE ULTIMATE 3-PIECE CONCEALMENT RIG: IWB HOLSTER, MAG-CASE and 1 1/4" BELT

Available for: Colt 45, Commander, Officers Model, Hi-Power, S&W 39, 59, 469, 645, Walther P5, PP, PPK, BRNO CZ-75 and Copies, Tanarmi TA-90, H&K P7, P7M8, P7M13, P9S, SIG-Sauer 220, 225, 226, Beretta 92SB, 92SB-F and Compacts, Bren Ten, Liama Orni.

Prices: Tan \$58.00, Black \$67.00

Please add 10% for Airmail and Handling
When ordering, state make and model of
weapon, calibre, waist size for belt.
Send \$2.00 for full colour catalog.

Send Check, M.O. to:

Andy Arratoonian
HORSESHOE LEATHER PRODUCTS

The Cottage, Sharow,
RIPON HG4 5BP, England

hand would close the action and the gun would start moving into shooting position. Just as the action shut, the trigger would start back. That oily smoothness is what made Jack so remarkable; he never looked like he was going fast. No lost motion. I think that's characteristic of all the greats. Ray looked slow, but you held a watch on him and you were amazed.

JW: You've trained hundreds of students from all over the world here at API. Are there any students you wish hadn't attended?

JC: We've had several people here at the school over the years that I wish we hadn't had.

We had one kid who split for Canada to avoid the draft—I'd rather he hadn't come but I didn't know that about him.

We had one character from Ireland who had impeccable credentials, but when he got here I discovered he was nobody I wanted on my team. But the thing in his case which sort of softened the blow was, because of his lack of self-control, he couldn't shoot. He took both rifle and pistol courses and he couldn't hit his hat because he was so emotionally driven. Then he let it be known that he approved of the disgusting behavior of the Irish terrorists. I wish he hadn't been here, but I didn't know he was connected with them and, as I say, his credentials from the Irish government—I don't mean Ulster, I mean Dublin—were perfect.

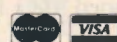
Another was a guy who got in here on a recommendation from a close friend and when he got here I found I didn't like his

DUNK-KIT

THE FAST, EASY WAY TO
CLEAN YOUR GUN!!



- Dunk-Kit cleans out malfunction causing crud and fouling.
- Dunk-Kit cleans, lubricates and displaces moisture all in one easy operation.
- Dunk-Kit is reusable and should last for years.
- Dunk-Kit loosens light leading allowing it to be brushed out of bores.
- Dunk-Kit is also ideal for cleaning and protecting small parts, reels, cycle chains or almost anything.
- Dunk-Kit is available in 1/4 gal., 1 1/4 gal. and large 4 gal. sizes.
- Ounce for ounce, Dunk-Kit is the least expensive cleaner on the market.



ONLY \$19.95
1/4 gal. size
ppd. in the cont. USA.
Please send street address
for UPS delivery. COD'S OK

Send \$3.00 for more information on Dunk-Kit and a complete catalog of custom handgun modifications and parts. Send \$6.00 outside U.S.



CYLINDER & SLIDE SHOP, INC.
P.O. Box 937
Fremont, NE 68025
Ph.: (402) 721-4277



W. Riley Gilmore

Winner of the 1986 Bianchi Cup
is offering a

FREE \$250 Weekend Seminar

with the purchase of a
Multicomp Revolver or Automatic

TOP GUN!

If you're looking for that competitive edge, we offer the winning handgun accessories, and complete training seminars.

Send today for your catalog which offers not only the Multicomp Revolver, that set the new world record and won Bianchi '86, but also all the right accessories to accelerate your shooting skills. We are now offering subliminal recordings that were three years in the making, and are a must for all competition shooters.

Send \$2.00 for our latest catalog which will be credited toward your first order.

Stocking dealers send an FFL for dealer prices.

TULSA FIREARMS

5949 South Garnett • Tulsa, Oklahoma 74134

(918) 250-4867

Featuring Products By:



tasco®



WORLD CLASS OPTICS®



Competition



Electronics

approach at all. He was strictly gung ho and bragged about what a cutthroat he was. I don't know that he was—he may have just been talking up a storm—but I wish he hadn't come.

And then there was the son of a very important politician who turned out to be extremely irresponsible. I would go even further and say "village idiot" but I can't prove that. I learned not to take a father's word about his son.

JW: On the other hand, are there former students whose lives have been saved as a result of the training?

JC: We have so many of those I wouldn't know where to start. We have about 45 cases now of people who have handled the crisis superbly because they had come here to learn crisis management. And interestingly enough, over half of those people didn't fire a shot. They simply dominated the situation, pretty much in the old Gunsmoke/Matt Dillon style: "Don't try anything with me, you'll lose." Those who did fire have been invariably successful. When they come back and tell me that they're alive because of what they learned here, it's very satisfying to us. That's the reason we're in business.

Just as recently as this year—this is the first time we've worked with the Marines—we've had three cases in quick succession of people who had been here and wound up in Latin America and had case-case-case (snaps fingers three times) in which what they learned here had kept them alive. It's marvelous. Hell, that's why you do it. And you can see

SEMI-AUTOMATICS!

JUST \$4.95 EACH



**LUGER-07
SEMI-AUTOMATIC**
Machine pistol version of the German classic. Comes with 7-shot magazine.



**THE LASER
SEMI-AUTOMATIC**
Rapid firing model of the weapon of the future. Comes with 8-shot magazine and detachable telescope style sight.



**"COMPETITION CLASSIC"
SEMI-AUTOMATIC TARGET PISTOL**
Full size version of the world famous target pistol can fire all 50 pellets as fast as you can pull the trigger.



**INGRAM M-11
SEMI-AUTOMATIC**
The first choice of Special Forces, S.W.A.T. Teams and Police. With this realistic action model you can fire the pellets as fast as you can pull the trigger.



**MAGNUM .44
MODEL-180**
This model handgun fires pellets as fast as you can pull the trigger. Load all 50 pellets and fire away.



"Commando" type machine pistol sprays pellets into the target as fast as you can pull the trigger. Comes with side mounted, detachable, ten round clip.



**COLT "LONG RIFLE"
TARGET PISTOL**
This full-size model of the COLT target pistol fires all 50 pellets as fast as you can pull the trigger.

SEMI-AUTOMATIC PELLET FIRING TARGET PISTOLS

**FREE
TARGETS
AND 50
REUSEABLE
PELLETS**

Each of these .22 cal. pellet-firing target pistols looks and feels like the real thing. Each comes with targets and 50 reusable pellets. No permit is required.

Purchase price promptly refunded if you are not completely satisfied. Just \$4.95 each plus 95¢ each for postage and handling. Michigan State residents add sales tax.

GUARANTEED DISTRIBUTORS, Dept. 499SC80
County Road 687, Hartford, Michigan 49057

GUARANTEED DISTRIBUTORS, Dept. 499SC80
County Road 687, Hartford, Michigan 49057

YES, please rush me the .22 cal. pellet-firing target pistols I've checked below. Also include my FREE targets and 50 reusable pellets with each weapon. I'm enclosing \$4.95 plus 95¢ for postage and handling for each target weapon I'm ordering. If I'm not completely satisfied you'll refund my money right away.

Name _____	<input type="checkbox"/> MACHINE PISTOL
Address _____	<input type="checkbox"/> THE LASER
City/State/Zip _____	<input type="checkbox"/> INGRAM M-11
\$ Total enclosed _____	<input type="checkbox"/> MAGNUM-180
NOT SOLD IN NEW YORK CITY NO PERMIT REQUIRED. MICHIGAN STATE RESIDENTS ADD SALES TAX.	<input type="checkbox"/> COLT LONG RIFLE
	<input type="checkbox"/> "COMPETITION CLASSIC"
	<input type="checkbox"/> LUGER-07

RELOADERS

This **BRASS CATCHER** attaches to your hand... not your gun.

It works!

Catch ejected casings from automatic handguns with the **CATCH-ALL** brass catcher.

- saves time & money—eliminates searching for lost or scattered brass
- adjustable strap attaches to right hand, allows flexibility
- no weapon alteration necessary
- will not obstruct sight picture
- 2 1/4 oz. total wt., space-age plastic

CATCH-ALL \$24.95 ppd. USA
patent applied for

Place your order today!
Call Department 206 TOLL FREE
1-800-824-6853 or (503) 686-9844 in Oregon. Visa and MasterCard accepted.
No Risk 30-Day Moneyback Guarantee
Catch-All Products, Dept. 206
P.O. Box 2522, Eugene, OR 97402

NEW

#12450
California Challenger

Many new products for practical pistol shooters and law enforcement. Send \$1.00 for current catalog.

Pat. Pend

VISA or MasterCharge Accepted.

Davis Leather Company
3930 Valley Blvd. Unit F
Walnut, CA 91789 (714) 598-5820

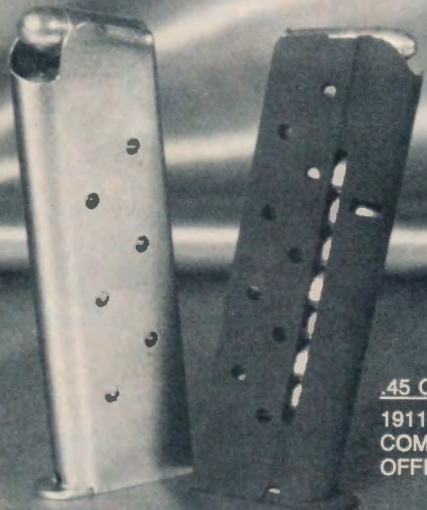
REPLICA MODEL®
Non-Firing Guns Look Real But Are Completely SAFE!

Machined Metal Models. Zinc Alloy. Look, Feel, Weigh Same as Originals. Cannot Chamber or Fire Real Ammo. Over 30 Parts. Comes Assembled. Perfect for Display.

(1) WESTERN SINGLE ACTION 22-1186/G... \$40 PPD
(2) GERMAN P-08 01-200... \$75 PPD
(3) U.S. G.I. M1911 .45 AUTOMATIC 01-300... \$79 PPD

FREE CATALOG OF 100's OF MILITARY COLLECTIBLES AND CLASSIC FIREARM MODELS
CREDIT CARD ORDERS: (800) 638-2000 TOLL FREE
COLLECTOR'S ARMOURY, Dept. AH
800 SLATERS LANE, P.O. BOX 58, ALEXANDRIA, VA 22313
SATISFACTION GUARANTEED

8 ROUND .45 A.C.P. MAGS! 10 ROUND .38 SUPER MAGS!



.45 A.C.P., 8 RD. .38 SUPER, 10 RD.

THIS 10 ROUND .38 SUPER MAGAZINE IS A MUST FOR SERIOUS I.P.S.C. COMPETITORS ... MY CONVERSION TO A .38 SUPER PISTOL IN 1983 GAVE ME AN 11 ROUND TOTAL WITH THESE MAGAZINES AND SAVED ME 10 RELOADS IN 3 I.P.S.C. NATIONALS! THE 8 ROUND .45 MAGAZINE HAS PROVEN ITSELF AS WELL WITH A WINNING RECORD FOR THE PAST 5 YEARS.

Chip McCormick

.45 CONVERSION KITS FOR:

1911 GOVT — 8 ROUND
COMMANDER — 8 ROUND
OFFICERS — 7 ROUND

BEWARE OF CHEAP IMITATIONS! \$1,000.00 REWARD FOR INFORMATION LEADING TO A JUDGEMENT AGAINST ANY PATENT INFRINGERS. 3002 RIVERCREST, AUSTIN, TX 78746, (512) 327-2045.

DEALER INQUIRIES WELCOME.



"I WON THE '86 STEEL CHALLENGE USING 10 ROUND .38 SUPER MAGAZINES ... THEY'RE PROVEN WINNERS!"



SHOOTING STAR INDUSTRIES

CALIFORNIA GRIP

A BETTER MOUNT FOR BETTER SHOOTERS

★ CAL GRIPS FITS S&W MODEL 52 AND 39 & 59 SERIES

\$75.00

★ ADJUSTABLE BBL WEIGHT (52 ONLY)

\$45.00

NEW ★ 1 INCH RING TOP PLATE FOR AIMPOINT 2000 & ARMSON OEG NO RINGS TO BUY \$15 EXTRA.

★ CAL GRIP FITS 1911 COLT 45 AUTO FRAMES HIGH OR LOW MOUNT

\$75.00

★ S&W MODEL 41 TOP RAIL MOUNT LONG OR SHORT BBL

\$45.00

RAIL COVERS FRONT AND REAR SIGHTS

★ HIGH STANDARD VICTOR TOP RAIL MOUNT

\$45.00

NEW ★ CAL GRIP FITS RUGER MK I & II FITS NEWER SLIDE RELEASE MODELS

\$75.00

H.I.S. \$3.00 on each item

FOR INFORMATION AND SALES:

CALIFORNIA GRIP

4698 EAST SOUTH AVE. FOWLER, CA 93625

(209) 299-1316

(209) 834-5801

why I get so impatient with these "poodle shooters": they're not serious and I am very serious.

JW: *Do you still lecture all the classes?*

JC: I try to. In all the time we've been here, I've missed one class completely when I had to be in Europe, and during two or three others I missed a couple of days. During the last 599 I missed Friday and Saturday, but that's rare. While the quality of instruction here is as good or better, the customers don't like it when I'm not personally involved. And there are other little tricks, small matters of technique and control. I feel foolish doing it, but I've found it necessary to show the students that you can shoot a .45 automatic quite well with thumb and forefinger. I find a lot of people won't believe that, so I nearly always do that for the basic class.

JW: *There's some confusion about how the famous "El Presidente" drill got its name. Can you clear it up once and for all?*

JC: It's said to have originated on an occasion when I was with the President of Guatemala and he was attacked by six assassins, and it's said I killed all six of them—with a reload in the middle. It's a great story; I wish I could remember the incident, but it never happened.

In fact, I did work for the President of Guatemala and I used that drill there for the first time, not for tactical training but as a nerve exercise to get the kids in his bodyguard dextrous with their weapons. There's no possible excuse for shooting the first guy twice if the second and third guys

Mid-South Institute of Self-Defense Shooting

Instruction by John Shaw on Pistol and Shotgun Training

CLASS OPENINGS AVAILABLE:

	TH.	FRI.	SAT.	SUN.
June '86....	5,	6,	7,	8
June '86....	19,	20,	21,	22
July '86....	10,	11,	12,	13
August '86....	7,	8,	9,	10
August '86....	28,	29,	30,	31
September '86....	25,	26,	27,	28
October '86....	9,	10,	11,	12
October/				
November '86....	30,	31,	1,	2
November '86....	13,	14,	15,	16

ALL CLASSES LIMITED TO TWELVE (12) PEOPLE

PRODUCTS AVAILABLE

Shoot To Win (Book)	\$11.95
You Can't Miss (Book)	9.95
Magazine Pad	6 for 8.95
Shaw Speed-E-Load	29.95
Shaw Pro Shooter Case	79.95
Video Training Tapes	
Pistol VHS or Beta	59.95
Shotgun VHS or Beta	49.95

ON PRODUCTS ADD \$2.00 SHIPPING.
WRITE OR CALL FOR FREE BROCHURE.

TO ORDER PRODUCTS, SEND CK. OR M.O. TO:

MISS-AH

503 Stonewall

Memphis, TN 38112

(901) 725-1450

**WIN A JEEP WRANGLER
OR \$10,000.00 IN CASH
NEW CAREER SWEEPSTAKES
OVER 1,000 BIG PRIZES**

BE A LOCKSMITH

You'll enjoy your work as a Locksmith because it is more fascinating than a hobby—and highly paid besides! You'll go on enjoying the fascinating work, year after year, in good times or bad because you'll be the man in demand in an evergrowing field offering big pay jobs, or big profits as your own boss. What more could you ask! Send for Free Booklet.

**TRAIN AT HOME—
EARN EXTRA \$\$\$ RIGHT AWAY!**

LOCKSMITHING INSTITUTE
Div. Commercial Technical Institute
1500 Cardinal Drive, Dept. 091-037,
Little Falls, N.J. 07424

**FOR YOUR FREE CAREER GUIDE AND
OFFICIAL SWEEPSTAKES RULES, MAIL
TODAY! YOU MUST ENTER TO WIN!**
No purchase necessary. Only U.S. residents 18 years of
age or older are eligible. Void where prohibited by
law. Sweepstakes ends April 30, 1987.

NEW from MTM **CASE-GARD® 806 Hand Gun Case**



A rugged, but economical one-gun carrier
that provides protection as no pistol
"blanket" or "rug" can. An outside shell of
super-strong plastic, combined with thick
interior cushioning makes this a typical
MTM product — Functional, Long-lived, and
Affordable!

Designed for autos, and revolvers with a
barrel length up to 6 inches.

Covered by MTM's 3 Year Guarantee.

\$10.95 at your MTM Dealer

(add \$2.00 for postage and handling if ordering from the manufacturer.)

MTM Molded Products Company
P.O. Box 14117 • Dayton, Ohio 45414

357/44 B & D CONVERSIONS

**S&W 27-28—Ruger 357-9mm
TC Contender—Ruger Red Hawk**

BAIN & DAVIS

307 E. Valley Blvd. San Gabriel, CA 91776
818-573-4241 or 213-283-7449

.41 MAGNUM BULLETS

.41 Magnum bullets, 170-275 grain
410 diameter/JHP/FMJ/SOLID BOND cores

**HARRISON
BULLET**

For information, write:
Dept. AH-21
6437 E. Hobart Street
Mesa, Arizona, 85205

are shooting at you, so in no sense is it a tactical drill.

When I brought it back to the States I didn't have a name for it but I imagine people knew I had developed it while I was in Guatemala—in those days I was going to Central America quite regularly. Of all people to pick it up were the Australians, and they dubbed it "El Presidente." And then someone else must have fancied there was shooting involved. These stories get around. Whenever you've been doing what you do for a long time, and do it well, people tend to invent stories about you.

JW: *It's been 30 years since the first Leatherslap, and, as you've said, you're 65 years old. What's the most difficult part of getting older?*

JC: The greatest hazard of advancing age is lack of imagination and lack of desire to explore new ideas. I'm aware of that so I try to stay open minded.



INSIGHTS IPSC

Continued from page 24

Colt is chambering the 10mm Norma in their Government Model.

For IPSC shooters, the ten to consider is not Colt's 10mm Norma, but a shortened version of this cartridge called the Centimeter. We rumbled about the Centimeter—a new cartridge just for IPSC!—a while back, but that particular project never bore fruit. The latest word on the revamped effort for the Centimeter is that the guns are ready, the cartridge is ready, the brass is available.

Fathered by noted ballistic gadfly Whit

Continued on page 72

KING'S CUSTOM HANDGUN GRIP SAFETYS



Send \$2.00 for our NEW Catalog of Custom Handgun Accessories. Refundable with first order. To order call (818) 956-6010. We accept MasterCard/Visa.



KING'S GUN WORKS, INC.
1837W. Glencaks Blvd. Glendale, CA 91201

ED BROWN CUSTOM PISTOLS



Available in 45ACP, 38
Super, and 9mm Luger

**ED BROWN
BROWN'S Gun Shop**
Route 1, Box 153
Perry, Mo. 63462
Phone (314) 565-3261

Member American Pistolsmiths Guild

Send \$1.00 for color poster and price list

ATTENTION SHOOTERS

*** June 1, 1987 ***

Second Annual Big Bear Valley & Cactus Flats
World Championship Steel Challenge
Pistol Tournament.

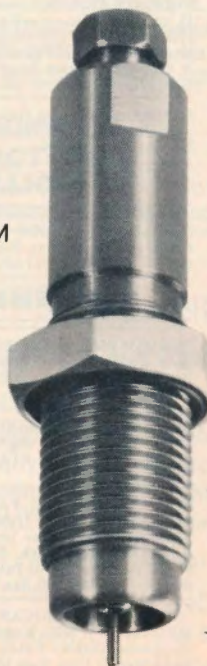
For information send S.A.S.E. to:
Graybeard's School of Gun Technology
P.O. Box 103
Big Bear City, CA 92314

NEW

► **ONE SIZE FITS
ALL CASES FROM
.22 CALIBER
THROUGH
375 H&H MAG.**

ONLY
\$9⁹⁸

Send \$1
for your 16-pg.
Lee Catalog
jammed packed
with reloading
bargains!



DECAPPING DIE

An absolute must for those
who clean cases before reload-
ing. Cases need not be clean nor
lubed when using this die.
Guaranteed unbreakable
decapper easily removes
crimped in primers.



LEE PRECISION, INC.
DEPT. 261 4275 HIGHWAY 'U'
HARTFORD WISCONSIN 53027

HANDGUN MARKET CLASSIFIED

ACCESSORIES

IF YOU TAKE LIFE SERIOUSLY......peruse our Procurement Index featuring specialty equipment used by professionals worldwide. Concealment holsters, electronics, disguised and unconventional weaponry from under \$2000 to over \$2,000.00. The catalog is \$3.00 from: A.S.P., Box 18595/AH, Atlanta, GA 30326.

Brass Catcher — works on Colt, Smith, Browning, Mac 10, Uzi, and many other top and right side eject semi-auto handguns. Fits on your hand-not the gun. Right Handed shooters only. Patent Pending. \$11. PPD. Gage Mfg. 811 Loren Ave., Azusa, CA 91702.

GENUINE G.I. M-16/AR-15 30 round magazines, used, excellent, \$5.00, 10 for \$40.00; **COLT** made \$6.00; **M-14/M1-A** 20 round, used, excellent \$8.50; **30 CARBINE** 15 round, brand new \$2.50, 10 for \$20.00; 30 round, brand new \$6.50, 5 for \$30.00; **FN-FAL** 20 round, brand new \$15.00, 5 for \$65.00; **UZI** 25 round, used \$9.00, 5 for \$40.00; **45 AUTO** 7 round, brand new \$6.50, 10 for \$50.00; **BROWNING HI-POWER** 20 round, brand new, \$12.50, 3 for \$30.00; **MINI-14 GENUINE RUGER MAGAZINES** brand new, \$16.50, 2 for \$30.00; Satisfaction Guaranteed. Include shipping, \$3.00 minimum. **MONEY ORDERS ONLY. BIRDWORKS, POB 449, ORACLE, ARIZONA 85623.**

SURVIVAL KNIFE HANDLES. Stainless steel, 4-3/4" L x 1" OD. Threaded for 1/2" tang. Undercut for wrapping or knurled. \$30.00 plus shipping. Satisfaction guaranteed. Knife & Gun Finishing Supplies, P.O. Box 13522, Arlington, Texas 76013. Phone 817/274-1282.

Pistol Packer, the newest and most secure way to case your weapon, keeping it out of sight yet within reach. Pistol Packer is a real book with a velvety interior designed to hold your automatic or revolver. \$9.95 plus \$1.00 postage. Specify handgun size. Satisfaction guaranteed. Ellis Enterprise, P.O. Box 1575, Kenosha, WI 53141.

SAVE MONEY the next time you buy outdoor equipment! Buy direct from manufacturers, catalogs through Sportsman's Purchasing Group. For details, call (602)245-5270 (24 hour) 18621-6 N. 34th Ave., Phoenix, AZ 85027.

AMMUNITION

EXCALIBUR WAX PELLETS, for .38 spl., 9 mm Luger, .380, .41 mag., .44 mag., 45 L.C., 45 acp. Inexpensive practice approximately 1/3 velocity of factory ammo. No ricocheting, no reloading tools, no gun powder, uses shotgun primers only, 100 pellet sampler w/6 reusable cases \$5.00. Special weapons catalogue \$1.00. M & M ENTERPRISES, Box 64 AHG, Island Lake, IL 60042.

SPECIAL PURPOSE AMMO AND MUNITIONS. Reload your own: Tracers, A.P., Incendiary, Thermite/Smoke Grenades, Grenade Launching Cartridges and many others. SASE for free list. T. Tyler, Box 2700H, Huntington Beach, CA 92647.

BOOKS

Wholesale Catalog. 100 pages in color. Hunting knives, fishing knives, pocket knives, tools, electronics, household items, and hundreds of other useful products for your use or resale. Catalog Price \$3.00: Interstate Wholesale, Drawer 19689-AHK, Houston, TX 77224.

OUT-OF-PRINT Books Found. Send Wants. **LARGE CATALOGUE** \$1.00; Booklook, 51AC Maple Ave., Warwick, N.Y. 10990.

STATE PISTOL LAWS, latest pistol carrying, purchasing, etc., regulations for all states and **FEDERAL GUN LAWS**. Both booklets \$4.00. **POLICE EQUIPMENT CATALOG** \$2.00. Schlesinger, Department E., P.O. Box 882, New York, NY 10150.

NEW CATALOG every two months from the publishers of the **ACTION LIBRARY!** Get the best books on weaponry, survival, guerrilla warfare, revenge and more! Send \$1.00 to **PALADIN PRESS**, P.O. BOX 1307-LHC, Boulder, CO 80306.

IMPROVISED EXPLOSIVES: HOW TO MAKE YOUR OWN — by Seymour Lecker — Ten simple formulas give you the basis to construct actual bombs, booby traps and mines! 5-1/2x8-1/2, softcover, illus., 80pp. Send \$11.00ppd to **PALADIN PRESS**, P.O. Box 1307-MAH, Boulder, CO 80306.

THE GUN GRABBER, Who they are, How they operate, Where they get their money. By Alan Gottlieb, Send \$14.95 to Merrill Press, Box 1682C, Bellevue, WA 98009.

Classified ads \$.75 per word per insertion. (\$.60 per word-per insertion for 3 or more) including name and address (20 word minimum). Minimum charge \$15.00. Copy and rerun orders must be accompanied by **PAYMENT IN ADVANCE**. **NO AGENCY DISCOUNTS** All ads must be received with advance payment no later than the 15th of each month. Example: Closing for May/June 1987 issue (on sale Mar. 1) is Jan. 15th. Ads received after closing will appear in the following issue. Please type or print clearly. — **PLEASE NOTE*** NO PROOFS WILL BE FURNISHED.** — Include name, address, post office, zip code, city and state as counted words. Abbreviations count as one word each. Mail to **AMERICAN HANDGUNNER MAGAZINE**, 591 Camino de la Reina, Suite 200, San Diego, California 92108.

CONSUMERS GUIDE TO HANDGUNS \$15.95: Pistolsmithing, Nonte \$27.95; Handguns of the World \$39.95. **CASANOVA'S**, 1601 Greenfield, Milwaukee, Wis. 53204. Charge Cards 414-672-3040.

YOU CAN FIND ANYONE, secretly obtain unlisted phone numbers, confidential postal, DMV, birth/death, credit, court, Social Security and I.R.S. records. Author reveals every source, method and trick known. For fun, profit or adventure. Satisfaction Guaranteed. For your copy of **YOU CAN FIND ANYONE**, send \$11.95 plus \$1.50 postage. **TARGET BOOKS**, 407-H W. Santa Clara, Santa Ana, CA 92706.

BUSINESS OPPORTUNITIES

Be a Licensed Firearms Dealer full or part-time. We have helped thousands of dealers get their license. We send the same day order received: latest 3 year Official Application Forms, complete instructions, Wholesale Directory, advice on how to start your business. Send \$5.00 now and receive a free Dealer ID Card and Wall Certificate. Moneyback guarantee. Interstate, Box 19466-AH, Houston, TX 77224.

PERSONAL & PROPERTY SECURITY — a 60 minute audio cassette by survivalist Carl E. Krupp — \$16.95 postpaid-Workshop in the Woods, P.O. Box 256, Merlin, OR 97532.

FEDERAL FIREARMS LICENSEES make money! Sell guns and ammunition to others. Order guns for non-licensees on cost-plus basis. Buy wholesale. FREE: "Starting Your Own Gun Business" and "What To Do After Applying". Other benefits. Licence guaranteed or refund! \$7.95. Metro, Box 2161-AR, Boulder, CO 80306.

FEDERAL FIREARMS LICENSE application kit! Official forms/instructions. Wholesale sources. Licence guaranteed or refund! \$5. Monarch, Box 65-RA, Golden, CO 80402.

BECOME A GUN DEALER — Professionally Prepared kit includes Official Forms, covers Licensing, Purchasing, Records — EVERYTHING! Lists HUNDREDS of Top Wholesalers. **GUARANTEED!** \$4.95: **BUSINESS CONSULTANTS**, P.O. Box 1232-H, Uniontown, PA 15401.

ARE YOU A LEADER? Put yourself in the Private Security profession. Start your own guard/patrolmen agency with our step-by-step manual. \$6.95. **SecuriTech-H**, Box C, Vashon, Washington 98070.

PRIVATE SECURITY PAYS! Guards/patrolmen needed everywhere. Start your own agency with our step-by-step manual. \$6.95. **SecuriTech-H**, Box C, Vashon, Washington 98070.

PHOENIX ARIZONA area GUN STORE — Owner retiring. 17 year old business selling for inventory plus equipment, \$200,000; **SPORTING GOODS STORE** — Owner retiring. 17 yr old business sells hunting, camping & fishing equipment & supplies. Charles Booth (602)844-0093 TransFirst. 1108 E. Greenway #3, Mesa, AZ 85203.

EARN CASH, Spare time at home. 25 money making opportunities \$1.00. Crawford List, 8956 S. Pulaski Rd., Hometown, IL 60456.

COLLECTORS

MINIATURE POLICE BADGES AND ARM PATCH PINS. Actual replicas. For sample badge and list send \$5 to: **MSI**, P.O. Box 11617AH, Reno, NV 89510.

EMBLEMS & INSIGNIA

CUSTOM EMBROIDERED EMBLEMS — Enameled Pins, Your Design, Low Minimum, Excellent Quality, Low Prices. Free Booklet. A.T. Patch Co., Dept. 93, Littleton, NH 03561. (603)444-3423.

CUSTOM EMBROIDERED EMBLEMS-DECALS-PINS. Free catalog/Quotes. Highest Quality. Guaranteed Lowest Prices. Rush Sketch. **STADRIAH**, 61 Jane Street. N.Y.C. 10014. (212)929-2293.

TOP QUALITY ALL-FABRIC PATCHES FOR YOUR JACKET OR CAP! Guns Team Member Patch: \$3.50, American Handgunner 1st Patch: \$3.50, 25th Anniversary Guns Collectors Patch, \$5.00. Special-all 3 patches only \$11.00 pospaid. **GUNS Patches**, Dept. GP-H03, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

"GENUINE AMERICAN AND FOREIGN MILITARY MEDALS!" WWII, Korea, Vietnam, Ribbons, Badges, Handsome Display Cases. Guaranteed! Manual, "How to claim Medals Free from Government!" Illustrated Catalog \$1.00. Write "MEDALS", 8893LN Pendleton, Indianapolis, IN 46226.

FIREWORKS

Salutes and Cannon crackers home made. The Best! Simple easy method, my secrets revealed. Details; Browns Diversified, Box 53, Fishers, Indiana 46038.

ROCKETS, COLORED SMOKE DYES for signalling, survival applications. **M80 Salutes, Fireworks-you construct, More!** Catalog \$1.00. **NorStarr**, Box 5585, Pocatello, Idaho 83202.

Illustrated catalogue \$1.00(refundable) Fun, safe, patriotic; lowest prices. **Pyro-Sonic Devices**, Box 711AH6, Grand Haven, MI 49417.

Cannon Fuse Cutting Device. Manually cuts 7,200 fuses or more per hour. \$39.95. **Cutter**, P.O. Box 5733, Kent, WA 98064-5733.

FIREWORKS: Fun, safe, top quality, lowest prices, catalog \$1.00: **WESTSHORE FIREWORKS INC.**, 6641 E. Dewey AH7, Fountain, Mich. 49410.

FIREWORKS—Don't waste time or money on catalogs. Buy direct! A complete how-to manual for the construction of the M-80, M-100, cherry bomb, aerial salute and more! Send \$5 to: Whitelighting, Dept HG, P.O. Box 14028, S.L.O., CA 93406.

FOR SALE

GERMAN MARCHES. \$9.95 per cassette. Set of seven cassettes \$49.50. Free list. Send SASE: **NSDAPAO**, Box 6414-AH, Lincoln, NE 68506.

STUN GUNS — 45,000 volts knocks attacker flat yet causes no permanent damage. \$49.59. Guaranteed. **SASE** brings free information. **LES**, POB 2165, Key Largo, Florida 33037.

GUN PARTS

STAINLESS DOUBLE ACTION Viking Combat 45 ACP KITS. **RANDCO** will be liquidating the entire stock of the **ODI/Viking Firearms Company. SPECIAL:** Viking Combat DA "KIT" \$339. Postpaid FFL Required. Dealers Inquiries Invited. **RANDCO**, P.O. Box 1163-H, Monrovia, CA 91016-5163.

GUNS FOR SALE

MODEL 11A1 Colt 45 automatics, lightweight frames, tough new salt resistant finish, \$215.00 plus \$5.00 UPS. Send FFL to: **Ten Ring Precision**, 1449 Blue Crest Lane, San Antonio, Texas 78232. 512-494-3063, 9AM-3PM CST.

WOMEN — We specialize in **COMPETITION & DEFENSIVE HANDGUNS FOR WOMEN.** Automatics and revolvers custom-tailored to suit your size, strength, needs and experience. For information and price list send \$1.00 to: **JUDY'S COMP & CARRY**, Box 640, Plains, MT. 59859 or call 406-826-5934.

GUNSMITHING

DUE TO TECHNICAL PROBLEMS THE GUNSMITHING SECTION OF OUR CLASSIFIEDS DID NOT APPEAR IN JAN/FEB '87 ISSUE. WE REGRET THIS ERROR.

LATHES-MILLS-TOOLS. New catalogs \$1.00: **Blue Ridge Machinery and Tools**, P.O. Box 536-N, Hurricane, WV 25526, 304-562-3538.

Triple chamber HIGH-COMP, state of the art compensator system. Don't waste money on poor fitting drop in junk when you can have this custom made device for the same price. Highest quality, minimum recoil, maximum accuracy. Other custom work. Catalog \$1: **Randall Thompson**, 654 Lela Pl., Grand Jct., CO 81504.

CUSTOM .45 GUNSMITHING, Police and combat competition modifications a specialty. For free price list send **SASE**. **JIM HOAG**, 8523 Canoga Ave., Suite "C", Canoga Park, CA 91304.

.45 Autos For Range or Street. Reliable, Accurate and Affordable. Brochure \$1.00. **George Geiges**, Box 213, Newfoundland, PA 18445.

D & L Sports Custom Combat 45's. Basic to full House Pistols. P.O. Box 651, Gillette, WY 82716. Ph. 307/686-4008.

RUST BLUEING. IF YOU'RE GOING TO BLUE, WHY NOT GET THE BEST? CHARLES DANNEE, ROUTE 4, FAYETTEVILLE, TN 37334. 615-433-3276.

GUN ENGRAVING Full line of custom engraving on firearms and knives, from simple line designs through semi-relief scroll to presentation grade. Sketches furnished at cost. Sundance Engraving, Box 912, Reading, PA 19603.

HOUSEHOLD CHEMICALS BLUE your guns to a professional finish. Guaranteed satisfaction. Easy step by step instructions. Send \$3.50: PUREBLEND, P. O. Box 2050, Arvada, Colorado 80001.

INSTRUCTION

VIDEO TRAINING PROGRAMS: World Champion John Shaw's "Combat Pistol Shooting", \$59.95 and "Combat Shotgun Shooting", \$49.95; Police Lt. Jim Bullard's "Ultimate Self Defense Course For Women", \$59.95 "Rock'n Roll #1-Fully Automatic Machine Gun Fun", (more than twenty different weapons tested) \$59.95; Other programs priced at \$39.95 include: "Survival Equipment", "Survival Weapons: "Remington 110", "Remington 870", "Colt 45 Automatic", "The M-16", "Basic Rappelling"; Law Enforcement programs also available: VHS/Beta, \$3.00 Shipping; Master Video, Dept. AH, 7947 Carol Elaine, Memphis, TN 38134 or 901/372-7012.

How to prepare wild animals for table use: Deer, Bear, Antelope, Moose, Rabbit, Duck, Pheasant, Quail, Geese, Partridge, Wild Boar. \$5.00; NYA Consulting; 35-30, 73 str, Suite 2F, Jackson HTS; NY 11372.

COMMISSIONED RANK, BADGE, CREDENTIALS. Independent Detective-Security Association. All eligible - Freelancers welcome! Enclose stamp. Box 6303-AH, Corpus Christi, Texas 78411-0303.

YOU'RE ELIGIBLE! Security, Investigators, Interested Citizens. Commissioned Rank, Badge, Credentials, Enclose stamp. Box 6303-AH, Corpus Christi, Texas 78411-0303.

Rifle cabinet, shooting bench, reloading bench, many other woodworking projects. Catalog \$1.00. LLEFMC, Box 908, Cornville, AZ 86325.

Buksan International Street defense journal. Only practical information, no traditional martial arts garbage. Free sample-two \$2.22 stamps. PO Box 3363, Carson City, NV 89702.

KNIVES & SWORDS

Knives, swords, survival, historic and many related weapons. Also custom handmade knives any design. Unbeatable prices. Catalogs \$2.00: DeIntinis HG, 107 Summit Ave., S.I., NY 10306.

WHOLESALE KNIVES. 110-page Brand Name Catalog. No minimum order for knives. Catalog contains picture, description, retail prices, wholesale price for each knife. 23 brands including Schrade, Buck, Case, Boker, Gerber, etc. Send \$5.00: Interstate Knives, Drawer 19689-AHB, Houston, TX 77224.

RANDALLS 110 models, Al Mar, A.G. Russell, Brewer, Buck, Cold Steel, Explorer, Frost, Gerber, Jungle King, Kershaw, Lakota, Leatherman, Pacific, Puma, Swiss Army Knives, Western, Lansky, DMT, CATALOG \$2.00: FOSTER'S BOOKS & BLADES, P.O. Box 12819-AH, Winston-Salem, NC 27117.

STRAIGHT RAZORS: 9-1/4" overall length/6" closed. Round or straight edge blade with black or brown handles (specify). EXTREMELY SHARP! Brand new and unused in box. \$8.95 each or 2 for \$15.00: HORNE ENTERPRISES, P.O. BOX 1990, LEESEBURG, VIRGINIA 22075.

Cold Steel Knives. 10-3/4" Tanto original \$105. Master Tanto to 10-3/4", \$138. Mini Tanto 8"-\$75. Free shipping. PENTECOST, POBox 3363, Carson City, NV 89702.

LEATHERCRAFT

BULLSEYE SURPLUS. Complete selection of new and used military items. Low prices, shipped promptly. Send \$2.00 for catalog to: BULLSEYE SURPLUS, Dept. 113-A, 3645 28th St. SE, Grand Rapids, MI 49508.

MILITARIA

1944 GERMAN FIELD-MARSHALLS BATON. SS M38 STANDARD-BEARERS GORGET (skull/runics chain) STANDARDS, BADGES. LISTS \$2 CASH: PB. 8027, POSTERHOLT, NETHERLANDS.

MILITARY SURPLUS

G.I. SURPLUS, Hunting and Camping Equipment. 100 page catalog \$3.00. Red Bank Army Navy, 12-E Monmouth Street., Red Bank, NJ 07701.

NARCOTICS RAID SEIZURES! Autos...Vans...Boats ...Airplanes! Millions Surplus bargains...many 1% original cost. "Nationwide Sales Directory" - \$3.00. Disposal, Box 19107-MV, Washington, DC 20036.

MISCELLANEOUS

NINJA CATALOG Nightsuits, handclaws, footspikes, calthrops, blowpens, shuriken and reference materials for the Shadow Warrior. Send \$1.00 to: Ninja Supply Systems, Box 28222/AH, Atlanta, GA 30358.

KNUCKS - Genuine brass paperweights, not cheap aluminum, same day delivery, \$7. prepaid; Matthews Police Supply, PO Box 1754, Matthews, NC 28105.

CHEWING-SMOKING Tobacco! Do you Chew-Smoke? Free samples - Twist, Snuff, Pipe and Pouches - Prices. Guaranteed satisfaction: FREDCO'S, Dresden, Tennessee 388225.

SHORT-RUN CUSTOM BELT BUCKLES WITH YOUR LOGO MY SPECIALTY SOLID SANDCAST SILICON BRONZE ALL HAND FINISHED. BUCKLES BY MIKE, 1225 MANZANITA, DEPT. AH, LOS ANGELES, CA 90029.

MILITARY & MARTIAL ARTS - I.D. Cards & Certificates. Airborne, Special Forces, C.I.A., Police, etc. Brochure \$1. Kenwood, Box 66, Dept. H, Long Green, MD 21092.

LEAD SOLDIER MOLDS, supplies, soldier sets. Catalog \$1.00. Special! Six soldiers, painting guides, catalog and FREE lock blade knife and case \$6.00. Coastal, Box 1053-H, Brick, N.J. 08723.

NAZI War souvenirs and daggers! Illustrated catalog \$10, bill (refundable). Disco, Box 331-H, Cedarburg, WI 53012-0331.

FREE 32-PAGE PRIVACY CATALOG. Low-profile techniques. Cash income opportunities. Secret loans. Asset protection. New identity. EDEN PRESS, Box 8410-HG, Fountain Valley, CA 92728.

PHOTO ID. All Kinds. Low Cost. Catalog of Do-It-Yourself Kits FREE! Foothills Fastprint, Box AH, Townville, SC 29689.

75 FREE CATALOGS List \$1.00. 100 Ways to Recycle Throw Aways \$1.00. NOBLES Dept. H, 1052 16th St. #4, Oakland, CA 94607.

GERMAN WW2 (Camouflage) Uniforms, Headgear, Gorgets, Badges etc. LARGE LISTS \$2 CASH. Postfach 1244, 5143-WÄSSENBERG, W-GERMANY.

We offer many things that can't be advertised in this magazine. Free catalogue. Devl Enterprises, P.O. Box 3565, Centerline, MI 48015.

Unique bullet pill case. Approximately 2-3/4 inches tall. Brass/chrome with plastic liner. Great sportsman or gag gift. \$4.95 plus \$1.50 P&H. Horizon Concepts, Dept. AH3, 2541 Kennedy Blvd., Jersey City, NJ 07304.

MAKE YOUR DAY .44 MAGNUM CARTRIDGE KEY CHAIN, 200 Gr. JHP, deactivated unfired primer, gleaming brass, no license required, \$4.00 each. MAGNUM PRODUCTIONS, Box 79, R.R. 1, Shelburne, MA 01370, Dept. HG.

IMPORT DIRECT, CHEAP from Hong Kong, Taiwan, Korea. 1,578 sources, 14,782 products. Free revealing details. Mercantile, 1023/49C Adams, Olympia, WA 98501.

POLICE EQUIPMENT

SPECIAL PRICES on all SECOND CHANCE armor products, CALL 1-800-351-1477 ext. 714, (Regular & Reserve Law Enforcement Officers ONLY), (We BID Department Purchases). Other Police Products Information CALL (605)348-7324. (VISA/MASTERCARD ACCEPTED). NATIONAL PEACE OFFICERS SUPPLY, Rapid City, SD 57709.

1987 LAW ENFORCEMENT CAREER GUIDE. Several hundred departments at your fingertips. Includes salaries from Chief to patrolman, entrance and promotional opportunities. A MUST for job seekers and researchers. Send \$15.95 plus \$2.00 P&H to: PCID, Dept. CG, Box 1672, Eaton Park, Florida 33840. Visa and MasterCard accepted.

REAL ESTATE

GOVERNMENT LAND...FROM \$19/ACRE! Homesites, campsites, farming, Investment! "Land Buyer's Guide" plus nationwide listing - \$3.00. LANDS, Box 19107-MV, Washington, DC 20036.

SURVIVAL

DEFEAT AN ATTACKER...quickly. Use a Stun Gun. A gun that's not a gun. Non-lethal. Very effective putting an individual down. More information, send \$2.00 to: J.D. Oran Co., POB 7478 Dept. HG3486, Colorado Springs, CO 80933-7478.

WANTED TO PURCHASE

Ideas, Inventions, new products wanted by one of America's leading invention submission firms to be presented to industry. Call free 1-800-528-6050. Canada, 1-800-528-6060. Ext. 831.

HIGHEST CASH paid for old firecracker packs. Especially want Goliwog, Tank, Atlas, William Scales, 130 Fondham Circle, Pueblo, Colorado 81005.

the BRASS CATCHER*

"It's the handiest on the market"

only \$12.95

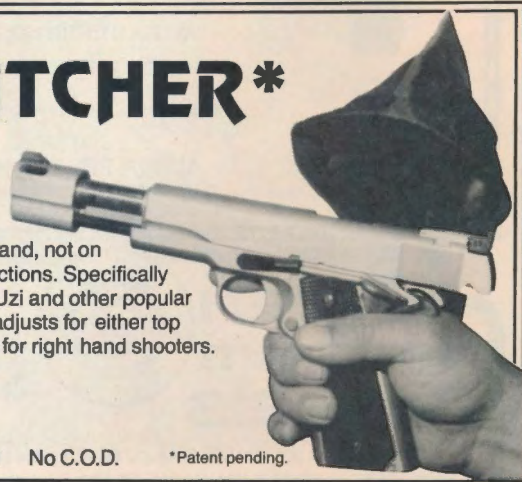
The **BRASS CATCHER*** fits on your hand, not on your handgun. No more clumsy distractions. Specifically designed for Browning, Colt, Mac 10, Uzi and other popular semi-autos. The **BRASS CATCHER*** adjusts for either top or right side ejections. Recommended for right hand shooters.

Send check or money order to:

GAGE MANUFACTURING

663 West 7th St. San Pedro, CA 90731 No C.O.D.

*Patent pending.



SSK HANDCANNONS

UNCOMMON GUNS FOR UNCOMMON MEN

Custom **CONTENDER** Barrels from 17 through 50 caliber. J. D. Jones design cartridges, 22 through 475. **HEAVYWEIGHT** cast bullet molds. **T'SOB** Scope Mounts that stay on any handgun. Custom **DOMINATOR** Barrels, **TCR-83** Barrels, **XP**s for target or hunting. **ARRESTOR** Muzzle Brakes, **REBARRELING**, **RECHAMBERING**, **SSK KHROME** and many other services for handgunners.

Two Stamps for Brochure

SSK INDUSTRIES

Rt. 1(AH), Della Drive Bloomingdale, OH 43910

614/264-0176



The Chapman Academy of Practical Shooting offers the latest and best training in tactics and techniques for defensive, practical shooting.

Training courses are available for handgun, shotgun and special weapons. Beginners, law enforcement personnel, military personnel and world-class competitive shooters have attended and benefited from Ray Chapman's expertise and personalized instruction.

For information about the best training available write:



Chapman Academy
Hallsville, MO 65255
(314) 696-5544



WE TAKE PRIDE . . . IN OUR 'SPECIAL' WORK:



- Revolver action jobs
- IPSC auto conversions
- Metal checkering
- Sight installation
- One piece compensator barrels.
- Fine welding

If you demand professional workmanship, send \$3 for our 16-page color brochure and price list. Refundable.

Member American Pistolsmiths Guild

Jim Stroh

ALPHA PRECISION, INC. Dept. 03

Route 1, Box 35-1/Preston Road/Good Hope, GA 30641/(404) 267-6163

Shilen Handgun Barrels



NOW AVAILABLE IN
STAINLESS STEEL

In addition to our popular **LONE STAR** and **MATCH** grade barrels of 4140 chrome-moly steel, the entire Shilen line is now offered in stainless steel. Stainless is recommended when barrels are exposed to moisture, and frequent cleaning is not practical.

All Shilen barrels are button rifled with eight lands and grooves, and are fully stress relieved.

Caliber	Groove Diameter	Twist
22 R.F.	.222	16"
22 C.F.	.224	14"
9 mm	.355	16"
38	.357	14"
.357	.357	18"
44	.429	20"
45	.451	16"

Unturned blanks are available in two standard sizes: 11/4" X 14" and 11/4" X 28"

Smaller diameters can be made to customer specification.

Call or write for Data and Prices.

Insist on the best - Insist on Shilen.
Dealer Inquiries are invited.

SHILEN RIFLES, INC.

205 Metro Park Boulevard • Ennis, Texas 75119 • (214) 875-5318

Continued from page 69

Collins, the Centimeter's standard loading is a 180 grain semiwadcutter at 1,050 fps for a Hatcher rating of 57 and a power factor of 189.

IPSC shooters might prefer the gamesman's load of a 198 grain bullet under 4.0 grains of WW 231 at 868 fps for a power factor of 172. That's cutting it a bit close, so 4.1 or 4.2 grains of 231 might be wiser for a 175 to 180 factor.

The Centimeter case is a hair over a tenth of an inch (.110") shorter than the 10mm Norma. Norma is producing cases and existing 10mm Norma cases can always be trimmed.

Zeroed at 50 meters, the mid-range trajectory is +1.5 inches. The pressure of the Centimeter is moderate at 30,000 psi. You don't have to worry about "Super face" from blowing cases.

Accuracy? Now we must consider the gun for the Centimeter because accuracy is affected by barrels and bushings and fittings as well as the cartridge itself. Nonetheless, the Centimeter is an inherently accurate cartridge like a .38 Special and a .308.

The gunsmith cooperating with Whit on this project is Paul Liebenberg of Pistol Dynamics. The former director of Pachmayr's Custom Shop uses Bar-Sto barrels specially made by Irv Stone. Paul outfits a Colt 9mm or .38 Super to handle the Centimeter by opening up the breechface and other proprietary tricks. Accurate?

"You wouldn't believe me if I told you, so we better just say, yes, it's accurate," Paul reported. Persisting in finding out just how accurate, I finally managed to corner Paul. Admitting that it's hard to believe, Paul said the Centimeter puts 10 rounds into one hole at 25 yards. A hole about the size of a dime, less than a half-inch group! That from a rollover prone position, not a Ransom Rest.

Accurate, reliable, soft recoil. What else would an IPSC shooter want? How about magazine capacity? That too, the custom guns Paul offers stack nine Centimeters in the stick and one in the tube for 10 total. Paul is working on a magazine that holds 10, for a total of 11. Supers, look out!

The *Handgunner* will carry a full test report on both the Centimeter cartridge and Paul's custom tens soon. In the meantime, you can contact Paul at Pistol Dynamics at 4442 York Blvd., Unit 7, Los Angeles, CA, 90041 or call (213) 255-4743.



LEATHAM'S COLUMN

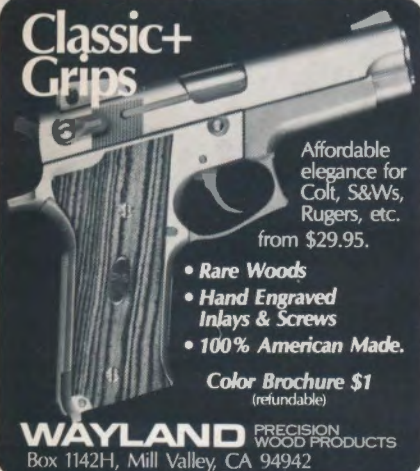
Continued from page 26

you encounter this, it is a warning, telling you that you are no longer focused on whatever you have chosen. When this happens realize it immediately and return to your focal point. The ability to stay on your focal point will become the basis of concentration. Sometimes you must fight to concentrate. Do not be discouraged for we all deal with this same problem.

Example: At the recent IPSC World

SUBSCRIBE TODAY!

Classic+ Grips



Affordable elegance for Colt, S&Ws, Rugers, etc. from \$29.95.

- Rare Woods
- Hand Engraved Inlays & Screws
- 100% American Made.

Color Brochure \$1 (refundable)

WAYLAND PRECISION WOOD PRODUCTS
Box 1142H, Mill Valley, CA 94942

FORT KNOX™

"NOW I LEAVE HOME WITH A SAFE FEELING... SO CAN YOU." GENERAL CHUCK YEAGER

- Revolutionary, patented bank-type rack and pinion geared locking system!
- No wear points!
- Rugged, burglarproof concealed hinges!
- Popular, effective fire-proofing!
- FOIL - Unforgiving double relocking system!
- Attractive key-locking dial!
- Generous lifetime warranty!



1051 NO. INDUSTRIAL PARK ROAD, OREM, UTAH
USA 84057 (801) 224-7233 / (800) 821-5216 (Ask for Tom)

CUSTOM ACCESSORIES FOR RUGER SINGLE ACTION REVOLVERS

- Solid Brass
- Stainless Steel
- Blued Steel
- Color Cased
- Polished & Plated



Send \$2.00 for current catalog of custom products for Ruger, Colt 1911, and other firearms. Dealers and Gunsmiths, write on letterhead and send F.F.L.

1501 E. Chapman Ave., Suite 306
Fullerton, CA 92631



(714) 879-8922
(714) 871-1662

IS YOUR ANTIQUE GUN A LITTLE TIRED??



Let us recondition it for you. Specializing in Brooms and Colts.

Call or write for catalog.

ANTIQUA ARMS ARSENAL
P.O. 948, 518 S. Main
Rutherfordton, N. C. 28139
(704) 287-2818

Championships, also known as World Shoot VII, I was on the line to shoot the highest factored stage at the match, the standard exercises. The distance was 35 yards and you were to shoot one shot on each of five IPSC silhouette targets, each being partially covered by hard cover, i.e. a piece of black cardboard which if struck by the bullet would not score.

As the commands to fire, "shooter ready, standby," were given, I suddenly found myself thinking about the empty brass laying on the ground I was about to go prone on! Obviously this was not what I had intended my focal point to be. So, as I fell into the shooting position, I told myself to see the sight alignment clearly and remember to follow through on the trigger. Next thing I knew I was putting the safety on and standing up. Scoring the targets showed five clean hits.

This is just one example of many I have experienced. Anyone who has competed for any length of time will have many of their own but few are solved differently than this one. Oh, they may have used a different trick, but the idea is the same nevertheless.

As noted earlier, looking at the sights, the trick used in the above example, is one of the most commonly practiced mind control techniques in the game. The thing you must do is find what point of reference works for you. I know no better way than trial and error. Look at different things, changing your focal point until you come across that little trick that you are comfortable with.

There are exercises you can do at home that will increase your ability to focus both your mind and your eyes. Those involving your sight are easy, those dealing with thought, the mysterious sub-conscious, are a little tougher.

The visual functions most valuable in fast shooting are clear, precise focus and the ability to change focus from one point to another, regardless of distance, instantly. A drill which builds the muscles used and trains the eyes to change the distance at which your eyes focus requires nothing more than a tennis ball suspended from the ceiling by a string. It should be about eye level and all you do is swing it back and forth away from you and simply keep it in sharp clear focus at all times. The faster you swing it, the harder it is to follow.

The mental drills are somewhat more difficult to work on due to their extreme simplicity. One version I use is very easy to do and can be done anywhere or any time. Draw a very small dot on a blank piece of paper. Now try to focus on it and nothing else, blocking out all else you see except the dot. To see only the dot takes incredible amounts of concentration and I personally can only do it for a few seconds most times, and sometimes not at all. The point of this drill is to build such concentration that you see only what you are looking at and not all the distractions surrounding it.

Wouldn't it be nice to look at the sights and see them in sharp clear focus always? And wouldn't it be neat if you could look at the targets and noticed only the part you wanted to hit and not the no-shoots covering it up?

DAMPNESS DESTROYS

with rust, corrosion, mildew ruining valued guns, precision-finished equipment, etc.

Silica Gel Unit Drinks Dampness From the Air

40 gram Compact Unit protects 3 cu. feet. Ideal for gun, camera case; tool box; etc. The desiccant of choice by gov't and industry. Prevents rust, corrosion, mildew by adsorbing moisture to create a protective shield of dry air within any enclosed area. Built-in indicator signals when to reactivate. Reactivates easily in any oven. \$5.50 ea. (2 or more: \$5.00 ea.) Send printed name & address with check. (NY Res add sales tax.)

Hydrosorbent Co. Box 675-Z Rye, NY 10580



NEW 6 FT. "4 IN 1" TAKE-DOWN BLOWGUN
New 1987 Survival Hunting "Commando" Models
For Camouflage or Black
Models add \$3.00 each gun
Regular Range 1-107-650
Models In Feet take-down
2 ft. 20 \$8.95
3 1/2 ft. 110 9.95
4 1/2 ft. 220 10.95
5 1/2 ft. 330 11.95
6 ft. 350 12.95
3-piece "4-in-1" Guns Aluminum collars. All guns fully assembled - No Kits!
6 ft. 350 17.95
8 ft. 450 22.95
9 ft. 550 24.95
Add \$1.95 postage EACH paid gun.
135 FREE DARTS Camouflaged. Free quiver holds 12 darts. Actual Photo
Combined get 2 ft. gun + 3 1/2 ft. gun + 4 1/2 ft. gun
\$8.95 + POST.
DEALERS 1 OR 2 PC. GUNS
12-2 ft. \$72.00 10-2 ft. R. 504.00
12-3 1/2 ft. 72.00 12-4 ft. 102.00
12-4 1/2 ft. 88.00 12-6 ft. 3-pc. 120.00
SILENT, POWERFUL, ACCURATE, bullet impact! Kills game birds, varmints, pests! Target, plinking, thrilling sport! Astound friends! Compressed breath gives little power! Hides in wood! NO TOY! Rugged aluminum. Ideal gift! 135 steel darts, instruc. Extra darts 100 \$3.50, 200 \$5.95, 500 \$14.00, K \$25.00. (One dart 100 \$8.88, 200 \$16.88, 500 \$39.88. Broadhead tip! 112 \$5.90, 224 \$10.95, 500 \$24.90. Bonus! Buy 2 guns get 600 darts! quivers! targets! poison! info! carry case! (Very 10 same = 500 darts! Buy 3 same = 1100 darts + free 2 gun! Buy 4 same = 1300, - free 2 ft. gun! Buy 5 same = 1600 - free 8 ft. gun! 30-day money back guar. Lifetime breakage guar. 1-day Service, cash, check, M.O. Millions sold! USA Made - Use 30-Days No Risk!

VISA, M.C., AM.X. (C.O.D. \$3.50 C.O.D. FEE) TOLL FREE
24-HRS. 1-800-222-3119 or 1-800-541-4100
Blowgun World, Inc., Box 25183 Salt Lake City, UT 84125



ONE OF A KIND.
Corbin builds more unique tools for hand-loaders including bullet swage presses, than any firm in the world. Send \$1 for info.
7-Book Library, \$47.50* Handbook, \$4.*
*PLUS SHIPPING
VISA/MC WELCOME!
503-826-5211
CORBIN P.O. Box 2659
WHITE CITY, OR 97503

METAL FINISHING PRODUCTS
Buffers, Belt Grinders, Band Saws, Buffs, Compounds, Abrasive Belts, Micarta, Exotic Woods, Books, Blades, Rivets, Pinning Materials, Bar Stock, K & G Bluing Salts, and new Turkish Damascus.
Send \$2.00 for Catalog
P.O. Box 13522
Arlington, TX 76013
Phone 817/274-1282

KNIFE & GUN FINISHING SUPPLIES

All these things are possible if only we learn to look at what is necessary and not all the unimportant distractions surrounding us.

These are, of course, simple exercises that on their own are of limited benefit. But when accompanied by lots of practice, on and away from the range, are sure to help every aspiring champion. Mental discipline, confidence and ability will come with time and mixed in proper proportions are guaranteed to make you the best you can be.



BONANZA PRESS

Continued from page 25

designed and fostered this most unusual press, calls, "The Mechanical Advantage of Reloading Presses." I don't understand the engineering jargon and mathematical formulas that inhabit Purdy's tidy little enchiridion; I can only testify to having had a Co-Ax bolted to one of my reloading benches for over nine years, and say that it has the easiest action of any press I've ever tested.

At \$180, the Co-Ax B-2 exists as something of a bargain on today's reloading tool market. Moreover, in my opinion, it is among the most perfectly engineered presses available to the nonprofessional. Unfortunately, this outstanding tool has never been the object of widespread sales campaigning, and so has been embraced by but a few discriminating handloaders.

I get letters—lots of letters—from individuals who cite the advantages and disadvantages attendant to using this or that reloading tool. It is significant in this regard to note that, over the years, I have received but one complaint about the Co-Ax. It came from a competing manufacturer who wrote, "The Co-Ax just doesn't look like a reloading tool." That may or may not be true, depending on one's cognitive imagery. If, however, all anyone can find wrong with the Co-Ax is its non-conforming appearance, it's time to adjust the picture.



PISTOLSMITHING

Continued from page 10

of needle files and a large assortment of spare parts and specialized individual tools for working on Colt and Ruger revolvers.

"Just how, pray tell," my wife ventured, leaning through the doorway to the shop, "do you propose to cram five gallons of tools and assorted junk into a quart container?" An excellent point. As usual, I had been carried away.

My immediate and undaunted solution brought a groan from the long suffering lady of the premises: I ordered a Kennedy cantilever tool box in the 17" length from Enco Tools, Dept. AH, 5000 W. Bloomingdale Ave., Chicago, IL 60639 (catalog free). When that spacious container for my tools arrived, I arranged them in some semblance

Freeland Made Accessories...



have an International Reputation of Excellence since 1943. We manufacture and sell quality equipment for the serious shooter, competitor, reloader and hunter. Send \$2.50 for large catalog, refundable with first order. VISA & MASTER CHARGE accepted.

U.S. Distributor for
Parker Hale Cleaning Items

FREELAND'S SCOPE STANDS, INC.
3737 - 14th Avenue
Rock Island, IL 61201



Magnum
1100 lbs.
60" x 30" x 25"

Affordable elegance with maximum security featuring Triple Acting Relockers and up to 20 full size 5 1/2" x 1" hardened active door bolts. Double steel walls with fire insulation.

Call or write for free full color brochure.

1-801-226-0245
P. O. Box 2101 / Provo, Utah 84603



Study at the oldest and largest Gunsmithing School in the country

LEARN

GUNSMITHING

in Colorful Colorado!

NOT A CORRESPONDENCE COURSE!

You will be taught by an experienced faculty and learn through "hands on" experience in a step by step program with individual instructions. Complete your course in less than one year. Day and night classes available. We are a specialized school with a proven 47 year success record and graduates in 50 states as well as foreign countries. Approved for the training of eligible veterans and is an accredited member of National Association of Trade and Technical Schools. We participate in some U.S. Government financial assistance programs. Write or call 800-621-8385 Ext. 574 for information today.

Colorado School of Trades

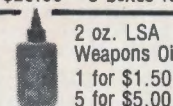
1575 Hoyt St. • Dept AH • Denver, CO 80215



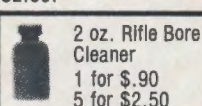
SPECIAL PURCHASE FROM U.S. GOV'T. METAL AMMO BOX
3 3/4" W x 10 3/4" L x 7" H

Seals up air tight with fold-up carrying handle and hinged lid. Ideal for tool box, fishing tackle, important papers, small gadgets, etc.

1 box \$6.50 • 4 boxes for \$20.00 • 6 boxes \$26.00 • 8 boxes for \$32.00.



2 oz. LSA Weapons Oil
1 for \$1.50
5 for \$5.00

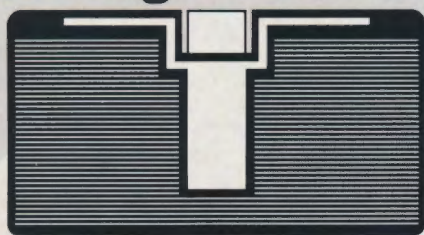


2 oz. Rifle Bore Cleaner
1 for \$1.90
5 for \$2.50

SEND PAYMENT WITH ORDER AND WE PAY FREIGHT ANYWHERE USA • CA. RES. ADD 6%

LAGUE SALES 2112 E. LOUISE AVE. LATHROP CA 95330 ☐ 209 / 858-2582

Why Change Your Sights?



1st Place Winner
1986 Steel Challenge
Chip McCormick using Millett sights



Speed and accuracy is the name of the game. When your sights provide a sharp crisp sight picture, your shooting will greatly improve. That's why champions like Chip McCormick use Millett sights. The handgunner's choice for autos and revolvers. New match quality peep sight for Mini-14, AR-15, and H&K 91, 93.

Ask your local dealer or send \$1 U.S. (\$4 foreign) for our complete accessory catalog.

Colt • Smith & Wesson • Ruger • Beretta • Browning
• Sig/Sauer • BDA • H&K • Dan Wesson

Millett Sights™

16131 GOTHARD ST., HUNTINGTON BEACH, CA 92647 (714) 842-5575

PISTOLSMITH

I have 34 years experience repairing and building all types of sporting firearms. Complete facilities for the type of work that is required.

Combat • Pin shooting • Target • Silhouette

COLT FACTORY WARRANTEE SERVICE CENTER
HIGH STANDARD SPECIALIST — ALL MODELS
SMITH & WESSON REVOLVER IMPROVEMENTS

A one man shop that cares, and a shooter who knows what the serious shooter wants. Satisfaction Assured. Price List \$1.00.

CAMPBELL H. IRWIN GUNSMITH

Hartland Blvd., East Hartland, Conn.

Tel. (203) 653-3901 Zip 06027

Ernie Hill Speed Leather

"State-of-the-art" competition holsters all the best are switching to. Rob Leatham and Brian Enos endorsed. Total steel lining, with top and bottom tension screw system, with a special designed speed front. Try one and you too, will make the switch. Four angle options gives you the perfect gun position.

Colt, Govt. & Comp Models. LE Type Or Full Slide.
5", 5½", 6", 6½" 7" \$74.00

Revolver S/W K-L-N Frames 4" & 6" (Others On
Special Order \$75.00

PPC-6" K-Frame STD. Angle 2 STD. Complete Open
Front To Fit All Custom Bull Barrels, Ribs,

Aimpoints, Etc. \$79.00

Double Mag Pouch \$28.00

Single Mag Pouch, Adj. Angle. \$20.00

Double And Triple Speed Pouch With Tension
Screw Control \$28-\$32

Competition Belts Spring Steel

Lining Standard. \$38.00

Complete line of UMBERGER'S SHOOTER BAGS & PISTOL CASES.

Send Cashier's Check Or Money Order

Plus \$2.50 Shipping To:

Handguns Ltd.

909 Benton St., Manila, AR 72442

COD's Or Information Call:

501-561-3540, 7 P.M. CST

USPSA Member

Way Ahead



... of whoever
is #2!!



We're talkin' about die precision, quality, price and service. Do you know C-H can supply current dies plus obsolete calibers such as .40-65, .405 Win., .40-82, .38-56, .50-70 etc. at much lower prices than those of our closest competitor?

When you think of Dies, think of C-H FIRST. Send \$2 for complete reloading catalog. We'll credit you \$3 on first direct order over \$25. Phone 715/229-2146, use Visa or MasterCard. There's no minimum order and we ship immediately.

C-H TOOL & DIE CORPORATION

Dept. AH, 106 North Harding Street
Owen, Wisconsin 54460

of order: cutting tools and reamers together, gauges and precision tools in another section, supplies sorted and labeled and miscellaneous items next to associated things. The final touch was to carefully remove the elegant blue and silver Brownells Armorer's Service Kit label with its badge logo from the small box and transfer it to the side of the new larger one. A plastic name tape on top and a luggage tag with a plastic attaching band through which a spring clip had been threaded made a useful identification and secure closure for the clamp latch. Thus equipped, I set to work trying out my new tools.

Most of the smaller items performed their function without a problem, but some of the larger fixtures were a total disappointment to this perfectionist. I should hasten to remind readers of my tendencies of long standing to expect glitch-free function, and when this is not present, to re-design the offending tool to my own personal satisfaction, based on my own working methods. These methods, also, may not be the "accepted" way to accomplish a given task, because I learned my trade many years before there were armorer's schools or gunsmithing courses.

I talked with the tool designer on the phone, explaining what I felt were areas that could be improved, and my solutions to the problems. He was singularly unimpressed, to say the least. Now, I set to work in earnest: I was looking for perfection, and I wasn't going to settle for less.

Three days later, my fixtures performed superbly and my original expectations were salvaged. I had not cared for the advice to replace the spring in my dial indicator with a heavier one to take up play. A call to the manufacturer of the instrument in question verified my thinking. They stated succinctly that a heavier replacement spring would void the guarantee and would probably damage the internal mechanism, which is quite delicate and very sensitive. I wanted the more sensitive indicator on the extractor rod and yoke tool, so I simply re-designed the indicator holder and made a more accurate tailpiece for the fixture proper. Now it functions to my satisfaction and the clients who watch as I test their extractor rods are impressed with the fixture's ability to diagnose the ills of their individual revolvers.

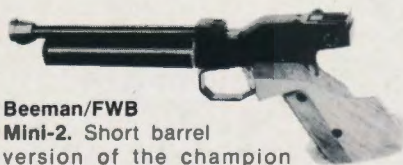
I have prepared a three-hole-punched report on the exact changes and additions that I made to my fixtures, and any reader may have a copy by sending a request and a self-addressed, stamped long envelope to me at Pistolsmithing, 591 Camino de la Reina, Suite 200, San Diego, CA, 92108.

I really think that my old teachers would be astounded and fully satisfied with the performance of the modern, commercially available revolver tools. It's just that I was thinking, if I attached a round knob to the crane stretching tool in place of the pin, it would be easier to use and more precisely controlled. Oh, well, you'll never have enough tools or sufficient time to make all of the alterations that occur to you as you use them.



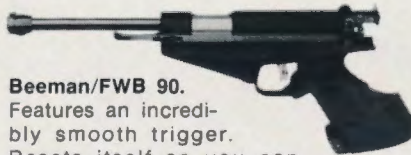
Beeman/FWB—Style, Accuracy, and Power!

Whether you need a proven match winner, a firearm trainer, or a backyard plinker, Beeman has the air pistol for you.



Beeman/FWB

Mini-2. Short barrel version of the champion Model 2 CO₂ pistol. The most popular air pistol at the 1985 U.S. International Shooting Championships. A leader in its class!



Beeman/FWB 90.

Features an incredibly smooth trigger. Resets itself so you can practice your trigger pull without actually cocking the pistol. Light, easy action. A pleasure to use!

At your local dealer, or direct.

Send for Adult Airgun/Firearm Catalog/Guide, reg. \$2, FREE with mention of code HG3. Include \$1 for Used Gun List. Allow 4-6 weeks for delivery. For fast, 1st class mail add an additional \$1; \$3 for overseas delivery.



Beeman Precision Arms, Inc.

3440-HG3 Airway Dr. Santa Rosa, CA 95401-2040
Phone (707) 578-7201

HANDLOADING

Continued from page 16

The simple solution is to switch to swaging jacketed bullets.

Corbin, suppliers of complete bullet swaging equipment and components, P.O. Box 2659, White City, OR 97503, has added bullet design software disks for IBM-PC compatibles. The program, they say, does more than compute bullet drop and remaining velocity from tables. It "actually takes your raw data input (caliber, weight, nose shape, core material, jacket material), and produces all the data required to make the bullet, draw it on screen, and fire it. The twist rate to stabilize the bullet, the ballistic coefficient at 2,000 fps, the Ingalls (i) form factor, volume of lead in the shank and in the ogive sections, length of bullet and shank, and dozens of other figures are immediately displayed on screen." Check with Dave Corbin for further details.

Terry Murbach, of Maumee, Ohio, says he still hasn't found a load that'll beat 7.0 grains of Herco behind Hornady's 115-grain JHP in his prized 9mm Browning High-Power. "The Sierra 115-grain JHP is okay, too," he writes, "but it must be seated overly-deep for some guns. Herco's only real problem is muzzle flash in 4" guns." He adds, however, that he's noted no flash in his 6" GP comp tube.

"Good ol' 231," he concludes, "has turned in some good accuracy, but velocities are a full 100 to 150 fps behind Herco."

Colin Lawson, a Scottish shooter and handloader currently working on, as he puts it, "a short-term contract" in Cincinnati, Ohio, reports "excellent accuracy from two loads in the Browning P35, fitted with a Bar-Sto barrel. The first is the Sierra 115-grain JHP in front of 7.2 grains of Herco (maximum listed load!), which gave a group measuring 1.8 x 1.8 inches, using 30 rounds at 25 meters from Ransom Rest.

"A similar level of accuracy can be obtained using 3.5 grains of Bullseye with a 121-grain cast, truncated-cone bullet. Our best results have been with the RCBS mould, because the rounded-nose profile feeds better up steep P35 ramps than the sharp nose of the Lyman 356402."

Powder man Bruce Hodgdon checks in to note that his Trap 100 will do anything W-W 452AA will do. As if to back his claim, he's listed Trap 100 data for the .38 Super and .45 Auto, as well as a host of heavy handgun magnums, in his new 544-page Data Manual #25. The Manual, which includes loads for Hodgdon, Hercules, Winchester, and DuPont powders in a wide array of handgun, rifle, and shotgun calibers and bores, also has a complete section on silhouette loads. It's available at a suggested retail price of \$14.95 from gun shops. If they don't have it, send \$14.95, plus a buck for shipping and handling, to Hodgdon Powder Co., Dept. AH, P.O. Box 2932, Shawnee Mission, KS 66201.

Keep the load data coming. The address is Handloading, Rt. 1, Box 7, Llano, CA 93544.



Bianchi Goes With Adventure



BIANCHI INTERNATIONAL has been on the side of active adventurers for more than 30 years. Enthusiasts, sport shooters, law enforcement, the world's military; people who rely on holster quality as if their lives depended on it.



BIANCHI®

And now, there's the all new Sting. Slim, lightweight concealment, made of soft, padded glove leather with a new smooth-releasing spring in Bianchi's comfortable ambidextrous design.

Bianchi is the name.

The choice of professionals.

Get your 84-page, full-color, 1987 Bianchi Catalog by sending \$3 to Bianchi International, or get one FREE from your nearest authorized dealer—over 3,000 worldwide.

Bianchi International, 100 Calle Cortez, Dept. AH, Temecula, CA 92390
Toll-Free (800) 854-8545, In California Toll-Free (800) 826-8192,
In Hawaii and Alaska (714) 676-5621 TLX 288553 BNCI UR

INDUSTRY INSIDER

JERRY RAKUSAN

1987 PROMISES SEVERAL EXCITING NEW HANDGUNS IN 10mm, .44 MAG AND 9mm

In spite of the increasing number of Chapter 11 announcements (LAR Manufacturing being the latest), our past gripes about the perceived quality control problems in the handgun world, and desperate need to get new shooters into the handgun games, there are still some bright spots in the outlook for handguns in the coming year.

First of all there is the **Masters Tournament**. The concept is brilliant. The execution of the first match was top notch, and the growing interest for similar matches throughout the country is encouraging. S&W is talking about a \$200,000 purse for the 1987 match, and I predict that within the next year or two the Masters will be covered widely by the non-gun media.

If that bit of sunshine isn't enough to break through the gloom, there is more positive news from S&W. Lee Deters, S&W president, has announced that more than \$200,000 has been allocated to develop a rapid-fire pistol that could win the Olympics. Back in 1984 (in our trade magazine, *Shooting Industry*) I asked why an American company could

not build a gun that could compete against the Swiss and German pistols which were dominating the sport. I had no takers. S&W hopes to have their pistol ready to compete in the Pan American Games this summer.

There is more positive news for 1987. Before the year is out, we should be seeing Ruger's P-85 auto in 9mm.

There is news of a multi-caliber auto coming this year from an outfit called **Victory Arms** out of England, and another new, fully ambidextrous, fixed barrel, single action auto from a new outfit in Arlington, Mass. Add to this the emergence in 1987 of at least three autos in 10mm, and it appears that there will be some excitement for handgunners in the near future.

Speaking of the 10mm pistols, the word from **Colt** is that their model will be called the Delta Elite. The configuration will be similar to the current Combat Elite .45, with high profile sights, Pachmayr grips and the triangular Greek letter Delta as a logo.

Another 10mm we can look for in 1987 is the **Desert Eagle**. Word is that this gun will

be introduced at the 1987 SHOT Show.

Renato Gamba of Italy has been licensed to produce the famed **Mauser HSC** pocket auto, and these will soon be imported by Armes de Chasse.

For those who have seen the **Calico M-100** rimfire rifle with its unique 100-round magazine, imagine this in a handgun version. American Industries, maker of the Calico M-100 has announced a pistol version. With its 6" barrel and 100 round rotary magazine, it is quite a plinking gun.

The famed **Walther PPK** pistol, which was banned for importation under the Gun Control Act of 1968 because it was 1/10 of an inch too short, is now being manufactured in the U.S. by Interarms, Ltd. And, it is being made in stainless. It's good to see this handsome .380 auto back in circulation, even at its \$500 plus price tag.

Since the demise of the **AutoMag**, there has been nothing available for the .44 fan in an autoloader. Now the **Desert Eagle**, which was first introduced in .357 Magnum caliber, is being chambered for the big, bold .44 Magnum cartridge. All reports so far indicate that it is one shootin' son of a gun.

Blazer ammunition, the non-reloadable, aluminum cased stuff from CCI, is now being offered in .44 Magnum. Not super-hot loads, but of nominal power.



Behlert Pivoting Trigger

In an effort to utilize leverage to get a safe 2½ lb. trigger on a .45 auto, Austin Behlert has designed his pivoting trigger modification.

Here's how Austin describes the modification. He first cuts back the old trigger, sets the action at a crisp 6-8 lbs. and installs a trigger



stop in the old trigger. He then mills a slot in the frame to take the new (or front) trigger. This new trigger pivots, with a contact point on the old trigger to utilize the leverage, which reduces the pressure it takes to pull the old trigger through to let off.

This gives the shooter a crisp 2½ lb. pull that is absolutely safe—no hammer drop to half cock, and no more accidental discharge.

Behlert charges \$125 for this trigger modification if all of the old parts of the .45 can be used. For more information, contact Behlert Custom Guns, Dept. AH, RD 2, Box 36-C Rt. 611, Pipersville, PA 18947, or call to see if there is a pistolsmith near you who is licensed to do the conversion; phone (215) 766-8680.

MORE THAN JUST THE TOMMY GUN.

Auto-Ordnance
American
Made

and a
Dedication
to Quality.

Auto-Ordnance
Corporation

THOMPSON MODEL M1

The Auto-Ordnance 1911A-1 is a competition proven pistol. Used by the winner of the 1986 Steel Challenge, it is an established and popular choice in the pistol market. Just as you would expect from the company that still manufactures the legendary Thompson. See your dealer or send \$2.00 for our beautiful new color catalog.

Auto-Ordnance Corporation

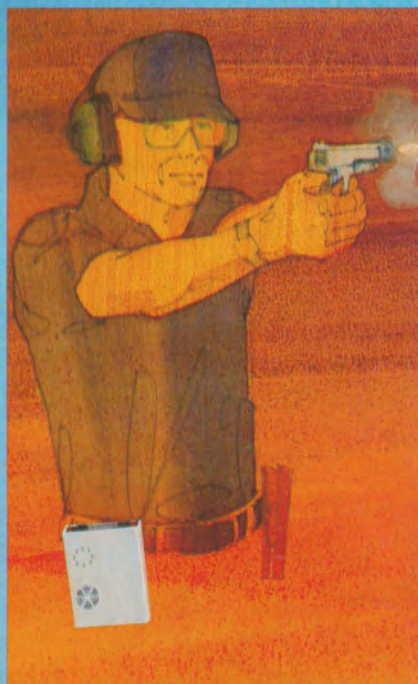
Box AH-3, West Hurley, N.Y 12491 (914) 679-7225

Thompson

The Pro Timer III



An even better shot timer...at the same low price.



The Pro Timer III is an improved version of the Pro Timer II, the official timer for major matches. In fact, it's so much better, we've discontinued the Pro Timer II.

The Pro Timer III offers the same proven features...and more:

- Easier to operate. For the most common modes of operation, just turn on the switch and start shooting.
 - Shot detection and stop plate switch operations are automatically selected.
 - Par time available on both shot and stop plate modes.
 - Incorporates a new low-frequency buzzer.
 - Includes a coupling jack for man-on-man or remote start.
 - Enclosed in a new lightweight, custom-molded case.
 - Uses a 9-volt alkaline battery in an easy access battery compartment. No more worry about rechargeable batteries failing at critical times.
 - Pressure sensitive push button switches and LCD display are on top of the unit for easy viewing.
 - Clear dust-cover top eliminates contamination, adding to reliability.
- All this for the same price as the Pro Timer II...only \$274.95!

Plus...

- A 30-day money back guarantee.
- An unmatched repair/service policy... 5-day turn-around from date of receiving unit or we will replace it with a new unit.
- Unmatched quality backed up with a six month replacement guarantee.

If all this is more than you need right now, you can buy the basic Pro Timer I for only \$197.95. When you're ready to move up to the Pro Timer III, just return the unit. We'll convert it to Pro Timer III capability for only \$80.00 (plus \$4.50 for shipping and handling).

Call Toll Free 1-800-222-3845. Illinois residents 1-815-877-3322. Visa, MasterCard and COD accepted. Illinois residents add 6% sales tax. Add \$4.50 for shipping and handling. Certified check or money order by mail.



Competition Electronics, Inc.
753 Candy Lane, Rockford, IL 61111



ONLY SMITH & WESSON HAS THIS SELECTION AND THESE FEATURES IN STAINLESS STEEL

When it's stainless you want, no one offers more handgun models in more calibers than Smith & Wesson. But that should come as no surprise.

We gave the industry the first stainless steel gun and have since introduced seventeen more models. All are engineered to strict tolerances for prime accuracy, endurance and reliability. Revolvers and semiautos in 11 calibers and 42 model variations — almost twice as many as any other manufacturer. With more choices of features in more "standard" configurations than any other brand.* So, whether outdoorsman or law



enforcement officer, you can have the model you want — and you can have it in rugged, aircraft-quality stainless.

Your options are virtually endless. Kit guns that fit comfortably into tackle box or backpack. Police and military service revolvers that withstand

the abuse a sidearm can suffer in the field. Large-frame stainless target and Magnum® revolvers, the preference of experienced hunters, target shooters and special police bureaus. And stainless semiautos in a range of sizes and calibers.

There's none better than a Smith, and no bigger selection anywhere. When you're thinking quality. Reputation. And stainless.

YOU WANT IT TO BE A SMITH.

Smith & Wesson
A LEAR SIEGLER COMPANY
Springfield, MA 01102-2208

*Including the first fully adjustable front sight available on any production revolver today, and hundreds of dollars worth of options on our new .45 ACP semiauto. Ask your dealer for details.