

HANDGUNNER

MAGNUM DELUXE! HUMONGOUS .50-70 REVOLVER!

\$2.95
IN CANADA
& OUTSIDE U.S.
\$3.95

AMERICAN

JULY/AUGUST 1991

HANDGUNNER

67522 T&E

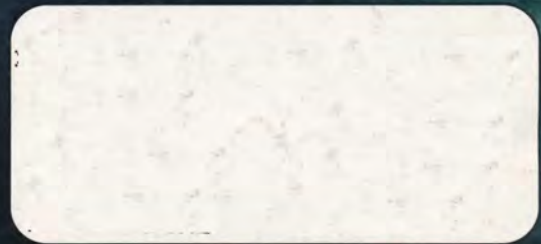
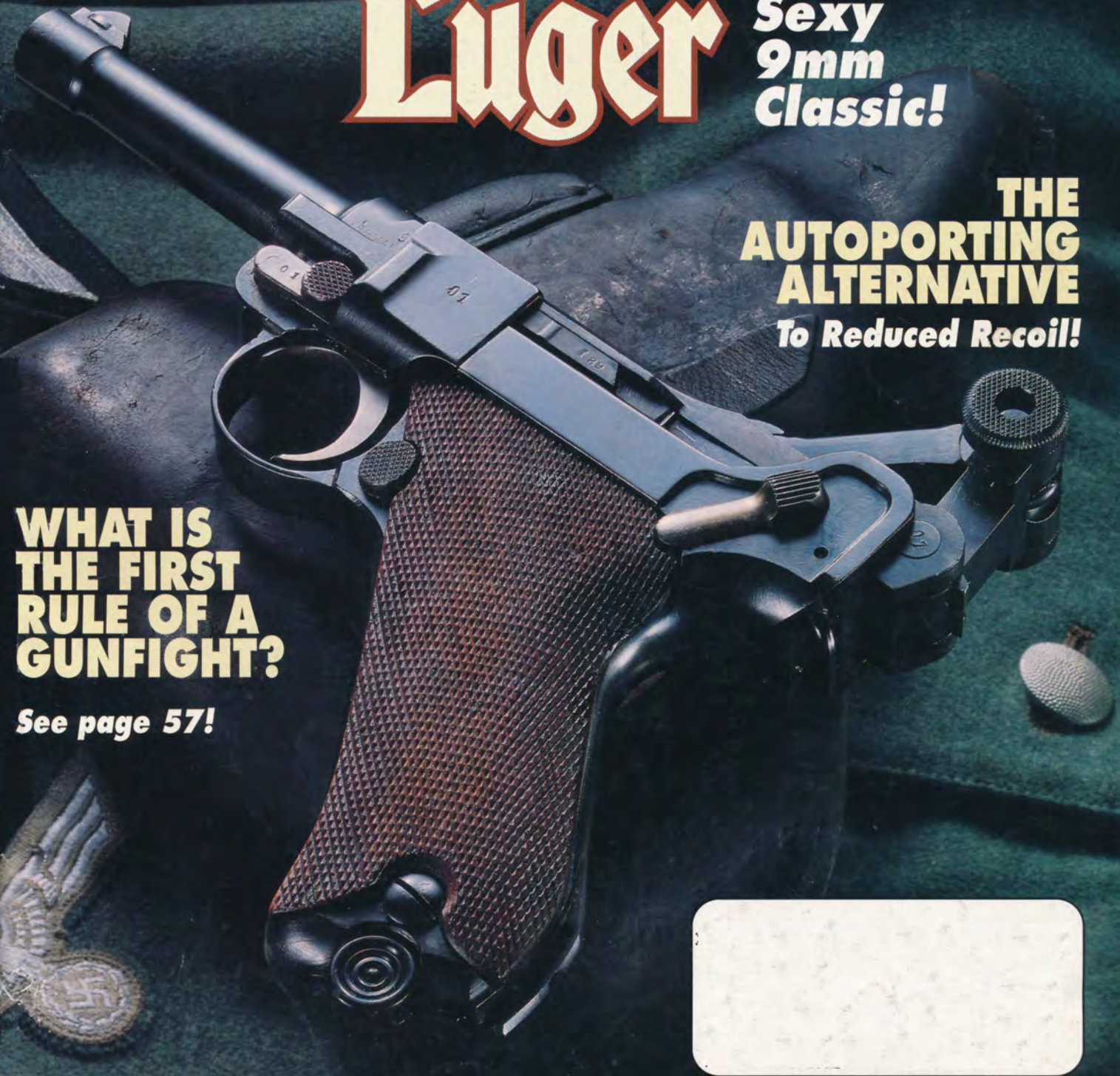
Luger

**Sexy
9mm
Classic!**

**THE
AUTOPORTING
ALTERNATIVE
To Reduced Recoil!**

**WHAT IS
THE FIRST
RULE OF A
GUNFIGHT?**

See page 57!





Galco

INTERNATIONAL™

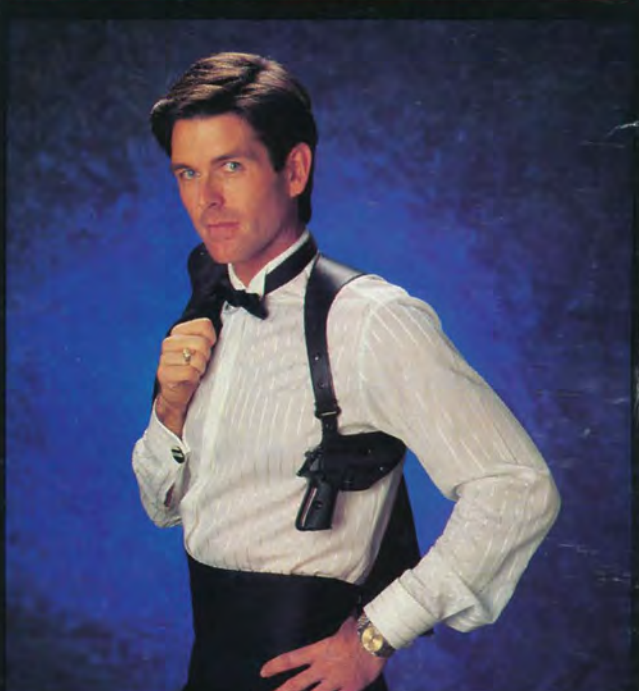
MODEL BIG GAME™



MODEL MIAMI CLASSIC™



MODEL EXECUTIVE™



Send \$5.00 for our new 48 page color catalog and see the full line of celebrity holsters.

The 'top timer' went down under for the 1990 IPSC World Shoot IX.



The CEI ProTimer III™ was selected as the official timer for this prestigious match held in Australia.

But, this is not uncommon for CEI, since we've previously been selected as the 'top timer' for the NRA Bianchi Cup, Steel Challenge. Our generations of timers have been used at every USPSA/IPSC Nationals since 1982.

Check these ProTimer III features and see why we're considered the reliable 'top timer' by the professional match makers.

- For the basic operation modes, just turn on the PTIII and start shooting.
- Automatically selects shot detection and stop plate switch operations. Par time available on shot and stop plate modes.
- Bold LCD display and touch pad controls provide convenient viewing/operation.
- Low-frequency buzzer standard, high-frequency optional.
- Lightweight/maintenance free unit.
- Powered by 9-volt alkaline battery.

At the 1990 IPSC World Shoot IX, we timed everything except the boomerangs. 'Top Timer' performance at a reasonable price. ProTimer III \$249.95*

ProTach™ Chronograph... the 'top tach' from CEI.

Selected as the official chronograph for the NRA Bianchi Cup since 1986. The ProTach offers these professional features.

- Portable, easy to set up.
- Indoor, outdoor capability.
- Records number of shots, velocity from shot-to-shot without resetting, and average velocity per shot string.
- Provides direct velocity readouts from 75 to 4500 fps with accuracy to 1/2%.
- Large, easy-to-view LCD display.
- Low battery indicator.
- Diffuser hoods for use on bright days.
- \$25.00 maximum repair charge.

The ProTach Chronograph...now only \$149.95*



CEI offers other professional timers and chronographs.

From our ProTach™ CLASSIC Chronograph, to our ProTNT™ timer/chronograph, CEI has a product to match your needs. No matter what you choose, all of our products feature a 30-day money-back guarantee and a 5-day turnaround service policy.

For more information, call or write Competition Electronics, Inc., 3469 Precision Drive, Rockford, IL 61109. Phone 815-874-8001.

* New prices effective March 31, 1991.

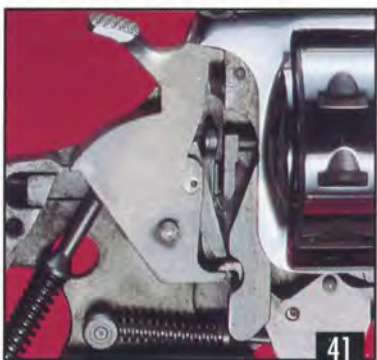
Order Now!
Call Toll Free 1-800-222-3845

Visa, MasterCard and COD accepted. Illinois residents add 6-1/4% sales tax. Add \$4.50 for shipping and handling. Certified check or money order by mail.

 **Competition Electronics, Inc.**



A German Luger produced sometime in the '20s and masterfully restored to original condition by John Lawson. Photo by Ichiro Nagata.



AMERICAN HANDGUNNER

JULY/AUGUST 1991

Vol. 15, Number 88

FEATURES

- 32 **NP3— MIRACLE FINISH OF THE '90s**, *Mark Moritz*
From the North Sea oil rigs comes the toughest finish yet for handguns.
- 34 **HANDGUNNING HINTS**, *Bennett Viken and Robin Sutton*
How to use a gunbelt for a handy field rest.
- 36 **NOW THIS IS A GUN!**, *John Taffin*
A six pound revolver chambered for the humongous .50-70 buffalo cartridge.
- 41 **TAURUS NINE-SHOOTER**, *John Taffin*
Our Field Editor says this may be the best trail pistol yet!
- 50 **THE AYOOB FILES**, *Massad Ayoob*
The lessons of a gunfight from a bygone era are still valid today.
- 54 **AUTOPORTING**, *John Taffin*
Mag-Na-Port has a clever way to reduce recoil for your auto.
- 56 **VIC BATTLE COMP**, *Dave Anderson*
Viceroy International takes the field with their new battle comp.
- 57 **V.I.P.P.**, *Mark Moritz*
Very Important Pocket Pistol, that's what the Seecamp .32 auto is.
- 59 **ITALIAN MASTERPIECE**, *Mickey Fowler*
A champion shooter puts the new Beretta Model 89 to the test.
- 64 **DER LUGER**, *Cameron Hopkins*
A classic handgun is still alive and well, thanks to restoration expert John Lawson.
- 72 **GUNS OF THE I.R.S.**, *Loren Franck*
The G-Men cashier their revolvers and file for the SIG P-226 instead.
- 88 **TRIPLE LOCK TREAT**, *Frank S. Teylanovich*
Combine a vintage S&W Triple Lock with a Model 25— what a treat!
- 99 **CASPIAN ARMS HYBRID**, *Cameron Hopkins*
An interview with Hybrid inventor Wil Schuemann on his radical new compensator.
- 104 **TAFFIN TESTS**, *John Taffin*
High performance favorite loads for the powerful .45 WinMag.
- 110 **CUSTOM GUN GIVEAWAY**
You can win a custom Colt Officers Model from Bill Jarvis.

COLUMNS

- | | | | |
|----|-------------------------|-----|---------------------------|
| 7 | SPEAK OUT | 26 | COP TALK |
| 16 | HANDLOADING | | Massad Ayoob |
| | Frank W. James | 30 | SILUETAS |
| 18 | HANDGUN HUNTING | | John Taffin |
| | J. D. Jones | 48 | INSIGHTS INTO IPSC |
| 20 | CHAMPION'S FORUM | | Dave Anderson |
| | Debby James | 74 | WHAT'S NEW |
| 24 | PISTOLSMITHING | | Bruce Edwards |
| | John Lawson | 126 | INDUSTRY INSIDER |
| | | | Cameron Hopkins |



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 (six issues) \$16.75. Single copies \$2.95 (in Canada \$3.95). 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 all world rights for the material. Opinions expressed are those of the bylined authors and do not necessarily represent those of the magazine or its advertisers. Advertising rates furnished on request. Reproduction or use of any portion of this magazine in any manner, without written permission, is prohibited. Entire contents Copyright© 1991 Publishers' Development Corp. All rights reserved. Title to this publication passes to subscriber only on delivery to his address. SUBSCRIPTION PROBLEMS: For immediate action, write Subscription Dept., 591 Camino de la Reina, #200, San Diego, CA 92108.

POSTMASTER: Send address changes to AMERICAN HANDGUNNER, 591 Camino de la Reina, #200, San Diego, CA 92108.



FREE CARRYING CASE \$16.95 Value

(expires 9/1/91)

TRAIN WITH THE BEST

Train like the champions

What do shooters like **Rob Leatham, Jerry Barnhart, Brian Enos, Mike Plaxco, John Pride, Chip McCormick** and a host of other champions have in common, besides winning a pistol match or two? They all train with PACT Championship Timers. Now let's face it, these guys can have any timer they want. So maybe there's a reason why they choose PACT, over all others, for their vital practice sessions.

Why train with a PACT timer?

You spent a small fortune buying the best gun you can afford, and you've got all the truck goodies. From your magic holster to your Shooting Star mags **you are READY!** There's only one thing that stands between you and the local hot shot; skill at arms. And as you know, you can't buy it (not that we don't try) you've got to work for it, you are going to have to **practice.**

Before you start burning the ammo you just cranked off of your Dillon stop and ask yourself, "What am I trying to do?" If you are going to improve you've got to 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, without a PACT Timer, you have no accurate measurement of your speed and no way to tell if a given technique is helping or hindering your progress.



Advanced display

The PACT MKIII features an **advanced 32 character display** instead of the four digit display commonly found on other timers and cheap alarm clocks (sorry guys, but facts are

facts). This display allows the MKIII to display all of the information about a given shot (shot number, split time, total time) at a glance and eliminates the hassle of having to "toggle" back and forth between functions in order to review your shot string.

A few of our features

- *A buzzer that's **loud** enough to hear with your earphones on
- ***999.99** second time limit
- *Automatic **Comstock** function
- ***Lap** function
- *Advanced training functions allow simulation of **complex courses of fire.**
- ***Two** stop plate inputs. **Man vs Man** mode gives both shooters total times, who won and margin of victory.
- ***Auxiliary output** drives relay for horns, lights, moving targets, etc.

\$69.95 CHRONOGRAPH

Have us install the \$69.95 CHRONO-MOD (**New M5 skyscreens included**) in your MKIII, to enable it to double as the best portable chronograph on the market. When operated as a chronograph, the MKIII performs all of the functions of the PACT Precision Chronograph. In addition the MKIII will automatically calculate the **power factor** of each round fired.

Printer

Every MKIII is equipped with a Print Driver which (when combined with the optional Hewlett Packard printer) allows it to provide you with a permanent record of each string you fire. This is a great way to keep track of your progress.

30 DAY MONEY BACK Guarantee

We designed the MKIII, we build it and we sell it **factory direct** to you. We take full responsibility for your satisfaction. If you are not 100% satisfied with any PACT Product, return it to us undamaged (no fair driving over it) within 30 days, and we'll refund your money. That's our promise and you can depend on it.

Lifetime Warranty

The MKIII features a **real simple repair policy.** If it breaks due to a defective part or faulty workmanship **we'll fix it free.** If you break it (people really have driven over them, ask Mickey Fowler) we'll fix it for cost. No hassles and no questions asked.

Order today

TOLL FREE...800 722-8462
(in Texas 214-641-0049)
FAX 214-641-2641

By Phone: We are happy to answer your questions and take your order. We accept VISA, MC and COD orders.*

PACT MKIII	\$299.95
CHRONO-MOD	
w/M5 Skyscreens.....	\$ 69.95
Carrying Case for Timer.....	\$ 16.95
Skyscreen Bracket	
(optional but nice).....	\$ 24.95
Battery Powered Printer.....	\$125.00
Extra Printer Paper (6 rolls)....	\$ 12.00
Extra M5 Skyscreen.....	\$45 pr
Skyscreen Housings.....	\$5 ea 4/\$17.50

*Shipping & Insurance \$5.50 UPS Ground/\$10 UPS 2nd Air. Extra shipping for bracket (separate package) \$3 ground/\$6 2nd day air. Bank service charge VISA/MC. COD fee \$2.75. Texas residents add appropriate sales tax.

Brochure Available



P.O. Box 535025
Grand Prairie, TX 75053

THE DESANTIS GUNNY SACK™ GOES UNDERCOVER.



When we introduced the "Gunny Sack"™ Belt Pouch Holster in 1989, we knew we had made a real strategic breakthrough in concealment holsters, so we patented it! (#4966320). And while the competition scrambled to copy its innovative design features, we've been busy improving the original.

Now available in leather, suede and nylon, the Gunny Sack™ (Style #R-60)

is trendy in style yet purely functional. Lightweight and durable, it features two zipper compartments for your credentials, handcuffs and extra ammo. What's more, an interchangeable holster in a third compartment securely conceals your weapon, while allowing you instantaneous access to it, via a unique (and patented) tear-away release system.

Best of all, the Gunny Sack™ has endured the test of time and proven itself where it counts most—on the street, undercover. Why settle for anything less? REMEMBER, if it doesn't say DeSantis...it's not a Gunny Sack™.

Ask your dealer or send \$3.00 (\$5.00 outside U.S.A.) for our full color catalog.

THE ONLY BACK UP YOU NEED

DeSantis Holster & Leather Goods
P.O. BOX 2039 • AH 7/91 GS • New Hyde Park, NY 11040-0701
For Fast Service Call: (516) 354-8000 • FAX (516) 354-7501



AMERICAN HANDGUNNER

GEORGE E. von ROSEN
PUBLISHER

CAMERON HOPKINS
EDITOR-IN-CHIEF

BRUCE EDWARDS
ASSISTANT EDITOR

JOHN HART
GRAPHIC DESIGN

RENEE NUKALA
ADVERTISING PRODUCTION MANAGER

CASEY CLIFFORD
ADVERTISING SALES

JEROME RAKUSAN
EDITORIAL DIRECTOR EMERITUS

CONTRIBUTING EDITORS

ICHIRO NAGATA
PHOTOGRAPHY EDITOR

NYLE LEATHAM
PHOTOGRAPHY EDITOR

JOHN TAFFIN
FIELD EDITOR

MASSAD AYOUB
LAW ENFORCEMENT EDITOR

FRANK JAMES
HANDLOADING EDITOR

DAVE ANDERSON
PRACTICAL SHOOTING EDITOR

J.D. JONES
HUNTING EDITOR

JOHN LAWSON
PISTOLSMITHING EDITOR

JAMES E. FENDER
SPECIAL PROJECTS EDITOR

WILFRID WARD
EUROPEAN CORRESPONDENT

CUSTOMER SERVICE

SUBSCRIPTION(619) 297-8032
EDITORIAL.....(619) 297-5352
DISPLAY ADVERTISING(619) 297-8520
CLASSIFIED ADVERTISING ..(619) 297-8525



NATIONAL ADVERTISING:

591 Camino de la Reina, Suite 200,
San Diego, CA 92108 (619) 297-8520
Telex 695-478, Cable VONROSEN SDG
Fax: (619) 297-5353

EAST COAST ADVERTISING:

Buchmayr Associates,
137 Rowayton Ave., #210,
Rowayton, CT 06853 (203) 855-8834

WARNING: firearms are dangerous if used improperly, and may cause serious injury or death. Due to the inherent variables in the reloading of metallic cartridges, verify all published loads with manufacturer's data. Consult a professional gunsmith when modifying any firearm. **Be a safe shooter!**

Paing Attention

I have just received (*sic*) your renewal notice in to day's (*sic*) mail. Before I wrote out the check I stopped to reflect on just what your magazine provides as opposed to its fees—and frankly there wasn't much to consider.

The articles, dry and boaring(*sic*)! Repeating the same thing over and over, except for the S&W 625 (PS I don't own one). I think your wrighters (*sic*) like every gun known to mankind!!! (IE good, clean, crisp trigger ect.ect.ect!!)(*sic*)

The loading data is carbon copied (*sic*) from caliber to caliber or should I say zeroxed? (*sic*)

The tactical employment of firearms as discribed (*sic*) by your writers, displaies (*sic*) the tallent (*sic*) and training one could expect to recieve (*sic*) from trained monkeys. (*sic*)

Aside from Mr. Ayoob and Mr. Lathem (*sic*), I think you would be in order to clean house and start from scratch!! Although I really (*sic*) like your photographer, I'm sorry guy's, (*sic*) the check book is now back on the desk and I'm not

renewing!

I hope someone is paing (*sic*) attention.

Don Meyer
San Jose, Calif.

I didn't make this up. Really! Editor.

Lawyers On The Beach

Attorney Marshall Brown (*Speak Out*, March/April 1991) showed his typical shark colors with his sarcastic questions. It reminds me of a joke around here in lawyer-land.

Question: Why is it you don't see lawyers on the beach?

Answer: Cats keep covering them up with sand.

Robert Burleigh
Buena Park, Calif.

Pit Of Maggots

The very fact that Marshall Davis Brown, Jr. (*Speak Out*, March/April '91) admits "...the three most important questions in the practice of law" are:

- 1) How much money do you have?
- 2) Where can you get some more?
- 3) Have you got any guns or motorcy-

cles to trade?

is in itself conclusive enough argument that the legal profession, as a whole, is a bottomless pit of maggots who have no thought whatsoever as what justice is.

Thanks for being dumb enough to confirm what we already knew.

J. Norman
Non-Lawyer
Brooklyn, NY

Snakes And Lawyers

Marshall Davis Brown, Jr. (*Speak Out*, March/April '91) exemplifies what sort of sensational scum haunts the legal business. His three questions show just where this type of reptile's true interests lie— money! Not justice, not the law, not even the best interest of any client. Just the money.

To paraphrase: On a Texas highway they found a dead rattlesnake and a dead lawyer. What was the difference?

There were skidmarks in front of the rattlesnake.

Michael Clark
San Diego, Calif.

Jamie Says

Ayoob Can't Shoot!

My name is Jamie. In response to Massad Ayoob's test of the Exactor pistol (*March/April 1991*), the pistol is accurate but the person shooting the gun must

The Original toll-free Tech Line Service that puts you in touch with a real, live Bulletsmith® to answer the phone when you call with a reloading question...

Sierra is the One!

Since moving here to Sedalia, MO, we've added considerably to our toll-free Tech Line Service.

We have more phone lines, more technicians, and the most complete ballistics and reloading reference materials in the business.

Fact is, it doesn't matter what brand of bullet you reload, we've got the data, and we're ready for your questions.

Call 1-800-223-8799 from anywhere in the USA or Canada, from 8am to 6pm Central Time, Monday through Friday.

Sierra's Bulletsmiths®... the folks to call when you need the facts!

SIERRA
The Bulletsmiths®

1400 W. Henry St. • Sedalia, MO 65301



We cut the crap.

The more you shoot the more you need the cutting power of Kleen-Bore.

No. 10 Copper Cutter, joins popular No. 10 Solvent in the Kleen-Bore line. This new, high strength



solvent removes copper, lead, plastic and other bore residues fast while it helps prevent rust and pitting.

Gunk-Out™ is a powerful cleaner and degreaser that blasts away dirt, dust and powder ridden oil residues from actions, bolts and trigger assemblies.



Wherever Kleen-Bore's family of quality products are sold.



Northampton, MA 01060



know how to shoot. It's called controlling the muzzle of the gun.

I shoot from a bench off a sandbag. I've shot competitively in northern Colorado.

Mr. Ayoub states that he could not get the pistol to group very well. Maybe he should try shooting for groups and not looking for any little flaw he can find in the product.

I've shot thousands of these pistols, you have not. Yes, I probably have better sight than you. I've been taught by the best.

I realize you have an obligation to the public, but to personally put my name as a point of Ayoub's article is *not* your obligation.

Mr. Ayoub is not a true handgunner. Anybody who supposedly shot a four-inch Model 29 at a running animal at 200 yards is not a responsible handgunner.

Mr. Ayoub, you might be a reporter or tester, but before you start ripping on people of this industry you should make sure of your facts. Yes, Mr. Ayoub, "Jamie can shoot." Obviously better than you.

Jamie
Wheat Ridge, Colo.

Armand Swenson Retires

Your most recent issue arrived at my mailbox the same moment that UPS delivered my last combat pistol from pistolsmith Armand Swenson of Fallbrook, Calif. I say "last" as this is my seventh handgun from the old gentleman whom I have known and written about and done business with since the early 1960's.

He was going strong in his Gardena shop well before then, keeping the Southwest Pistol League in accurate combat pistols.

I say "last" as he told me this was the last pistol to leave his shop before he called it quits and retired. He has suffered several strokes in his old age and feels he has put in his best. Now to relax.

The first time I met him, he was shooting 100 rounds of .45 ACP from the 100 yard line into the K-5 zone as a demonstration for LA narcotics cops. It left a ragged hole, which I have as a souvenir.

He never used a target to check his work. He just made one .45 hole and put the other four touching the first at 25 yards before turning a gun loose to a customer.

He was something to watch at his daily 200+ rounds at the old Popaway And Bang range in LA. He should be noted.

Joe Rychetnik
Pacific Grove, Calif.

Good As A Nagata

I was scanning through a gun mag (turns out to be *American Handgunner*) when I saw this terrific photo (pp. 57-59, March/April '91) of a pistol.

It flashed through my mind, "That looks like one of those photos by that Japanese guy!"

FIREARMS TRAINING WITH ARNTZEN'S HIGH STRENGTH STEEL TARGETS

STEEL IPSC PRACTICE TARGET WITH POST, BASE & HARDWARE. RINGS LIKE A BELL WHEN HIT! READY TO USE. DISASSEMBLES WITHOUT TOOLS FOR EASY TRANSPORT. POST & BASE WILL WORK WITH ANY SHAPES BELOW. (MUST DRILL MOUNTING HOLE).

A. IPSC TARGET (WITH HOLE) \$59
K. POST, BASE & HDW 40
\$99



PEPPER POPPER HIGH STRENGTH

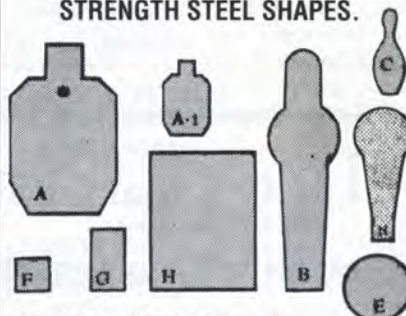
NOW YOU CAN HAVE A COMPLETE PEPPER POPPER, READY FOR USE, MADE OF ARNTZEN'S HIGH STRENGTH STEEL, REGULATION IPSC SIZE

COMPLETE WITH BASE \$110

PRECISION CUT STEEL PLATES

INDIVIDUAL SHOOTERS, GUN CLUBS AND LAW ENFORCEMENT AGENCIES CAN NOW BUILD THEIR OWN STEEL TARGET SYSTEMS WITH ARNTZEN'S HIGH STRENGTH CUT STEEL SHAPES. ALL TARGET STEEL IS TESTED TO MEET 200 MINIMUM BRINELL HARDNESS, OUTLASTS A-36 OR MILD STEEL.

MAKE YOUR CHOICE OF HIGH STRENGTH STEEL SHAPES.



- A. IPSC 3/8" STEEL PLATE 17-3/4" X 29-1/2" (INCL. MOUNTING HOLE) \$59
- A-1 IPSC HALF SIZE 3/8" X 8-7/8" X 14-3/4" \$15
- B. POPPER 3/8" STEEL PLATE 12" X 42" \$39
- C. PIN 1/2" STEEL PLATE 4-7/8" X 15" \$11
- D. 2" X 4" WELD ON BASE \$1.50
- E. CIRCLE 3/8" STEEL PLATE 8" - \$9 10" - \$12 12" - \$15
- F. 'B' ZONE 3/8" STEEL 6" X 6" \$8.50
- G. 'A' ZONE 3/8" STEEL 6" X 11" \$11
- H. RECTANGLE 3/8" STEEL PLATE 18" X 24" \$48
- K. POST, BASE & HARDWARE \$40
- N. NRA ACTION PLATE 3/8" X 12" X 28" \$29

(NOT FOR USE WITH CENTER FIRE RIFLES)

NOTE: 30 DAY TERMS FOR LAW ENFORCEMENT AGENCIES WITH P.O.

\$5 HANDLING CHARGE ON ORDERS UNDER \$99. 15% DISCOUNT ON ORDERS OVER \$1000. (CASH) UPS OR FRT CHGS., FOB ROCKFORD, IL.

CHARGE YOUR ORDER



CALL: 800/821-3475
FAX: 815/964-0045



14K491

The new XTP™ Bullet

outperformed six reputed stopper pistol bullets.



Recent tests pitted six of our competitor's bullets head-to-head with our new XTP™ pistol bullet. The results were astonishing.

All seven brands were shot, at numerous velocities, into both wax and water. Some performed adequately in one medium, but failed miserably in the other. Several brands failed to expand at all at low velocities; and others, which did

expand well at low velocities, invariably over-expanded and broke apart at the higher velocities.

Just one bullet, the new Hornady XTP, consistently expanded with control and held together in both the wax and water tests.

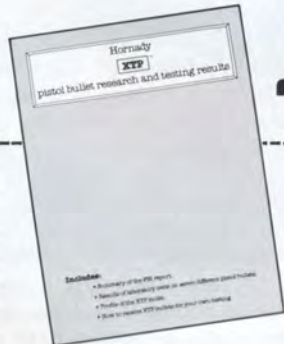
XTP bullets are currently being put to the ultimate test – by law enforcement officers across the

country. Perhaps it's time you put the XTP to your test. Get a box from your local Hornady dealer today.



Here's the Proof

Return the coupon below to get the Pistol Bullet Research and Testing Results. Include two dollars and we'll also send you a new Hornady Catalog and Bullet Chart.



Send for your free copy of the bullet testing results.

Name _____
 Address _____
 City _____ State _____
 Zip _____

I use my handgun for:

- self-defense hunting
 competitive shooting recreational/plinking

(check all that apply)

OUR REPUTATION RIDES ON EVERY SHOT

Hornady Mfg. Co., Dept. AG2071 Box 1848, Grand Island, NE 68802-1848



Mail this coupon to: Hornady Manufacturing Co., Dept. AG2071 Box 1848, Grand Island, NE 68802-1848, or call toll-free 1-800-338-3220



BRILEY

PISTOL DIVISION

BRILEY, the name highly respected in the shotgunning industry, now brings that name and reputation to the discerning pistol shooter.

All manner of pistol/revolver work is available; from minor action tuning to fully equipped custom competition pistols. Titanium compensators, match-grade barrels (9mm, 10mm, 38 super, 40 S&W, & .45ACP) and the exclusive BRILEY Spherical Bushing.

For complete information and prices call BRILEY Pistol Division at 1-800-331-5718 (outside of Texas) or (713) 932-6995.

BRILEY Pistol Division 1085 Gessner, "B" Houston, TX 77055

Now I catch myself, "Hey, Self, if you're gonna admire the photos, at least have the courtesy to get the name straight."

Mr. Ichiro Nagata, my hat is off to you. Your photos are now a class of their own. We can now say that other photos are "almost as good as a Nagata."

Norman Brewer
Arcata, Calif.

P.S. Your art department is tops.

Knuckle Draggers

I am a little tired of the disparaging comments from some of your less well informed readers regarding J.D. Jones. Anyone who is familiar with Mr. Jones' record as a big game hunter, appreciates that he knows more about sportsmanship than these knuckle dragging buffoons are ever likely to learn.

J.D. Jones' contributions to the sport of handgun hunting, and to the sporting

**Sounds a lot like
Cleveland Amory and
the Animal Rights
loonies.**

use of handguns in general, are well known and widely acknowledged. I suggest that people like John Taffin, Cameron Hopkins, and Massad Ayoob are in a better position to judge Mr. Jones' credentials, than some self-styled Rambo from Las Vegas.

Finally, I have to question just whose side Mr. Prather (*Speak Out*, March/April '91) is on? Quotes like "Innocent big game animals deserve better consideration" sounds a lot like Cleveland Amory and the Animal Rights loonies. Most of that crowd believe that there is no legitimate reason to own handguns at all!

Douglas S. Gee
Mountain View, Calif.

Butt Shooting

I do not agree with Roger Prather's view on handgun hunting (*Speak Out*, March/April '91). Lots of us try to put forth an extremely conscious effort towards proper shot placement.

In two articles I have seen that were written by J.D. Jones, I noticed that he doesn't seem to care where his shots go, nor does he care how many it takes to bring down an animal. J.D. Jones is not a hunter, he is only a shooter. Even at the moderate ranges he recommends, the .357 Magnum is only marginal.

The last piece of garbage he wrote advocates (twice) shooting an animal in the butt. No self-respecting hunter would even consider that as an alternative to proper shot placement.

I think your magazine would be much

**Q: WHO'S CARRYING?
A: NOBODY KNOWS.**



**SIDEKICK[®]
PROFESSIONAL**

NEW GunRunner™ Fanny Pack Holster

Made in an ever-changing array of assorted colors, the GunRunner gives away no pattern of recognition. So when you go undercover, you stay undercover!

Handgun is concealed close to your body in rear compartment, held shut by Velcro® and snaps. Just grab front of pack and pull to open. Middle compartment for gear and front compartment has badge holder anchored by Velcro, both with zippers. Three sizes. Nylon belt with quick release buckle.

Sold at police, gun and sporting goods stores everywhere.

Write for free SIDEKICK PROFESSIONAL catalog to Michaels of Oregon, Dept. AHG-20, P.O. Box 13010, Portland, OR 97213.



UNCLE MIKE'S
by Michaels of Oregon

KING ARTHUR'S EXCALIBUR

WROUGHT OF STAINLESS STEEL.
ACCENTS OF 24 KARAT GOLD AND
STERLING SILVER. HAND-SET
CRYSTAL CABOCHONS. INSERTED
IN CRYSTAL-CLEAR ROCK.

KING ARTHUR. Immortal hero of medieval legend, he was the only one who could free the magical Excalibur from stone. And when the most famous King of chronicle and romance wielded this mighty sword, he became invincible.

Now you may own the authorized re-creation. From Europe, its blade is wrought of tempered steel. Its pommel and crossguard sculptured with Arthur's symbol of power — the dragon. Ablaze with fiery red crystals and embellished with sterling silver and 24 karat gold electroplate, Excalibur is to be removed from its crystal-clear rock only by the man destined to possess it. \$675.

THIRTY-DAY RETURN ASSURANCE POLICY

If you wish to return any Franklin Mint purchase, you may do so within 30 days of your receipt of that purchase for replacement, credit or refund.

The magnificent hardwood-framed display — shown smaller than actual size of 51½" high x 16½" wide — is included at no additional charge. Excalibur shown smaller than actual length of 43".

AN OFFICIAL ISSUE OF
THE INTERNATIONAL ARTHURIAN SOCIETY



The International Arthurian Society
c/o The Franklin Mint
Franklin Center, Pennsylvania 19091

Please enter my order for the authorized re-creation of King Arthur's Excalibur sword. Crafted of hand-polished tempered steel and embellished with sterling silver and 24 karat gold electroplate. The custom-designed display is included at no additional cost.

I need send no money now. I will be billed in 10 equal monthly installments of \$67.50* each, beginning prior to shipment.

*Plus my state sales tax.

Please mail by August 31, 1991.

SIGNATURE _____

ALL ORDERS ARE SUBJECT TO ACCEPTANCE.

MR./MRS./MISS _____

PLEASE PRINT CLEARLY.

ADDRESS _____

CITY/STATE/ZIP _____

85468-65

IT SHOULD BE A PART OF EVERY SHOOTERS GEAR:

Imagine a rifle without a barrel, or a holster without a handgun.

Functional, maybe. But as a real shooter, you want more.

That's why you need **Guns Magazine**.



Inside every issue is information for today's shooter.

Whether it's uncovering the "buyer beware" facts on a new gun or finding self-defense tips that could save your life – you'll get uncompromised news in every issue of **Guns**.

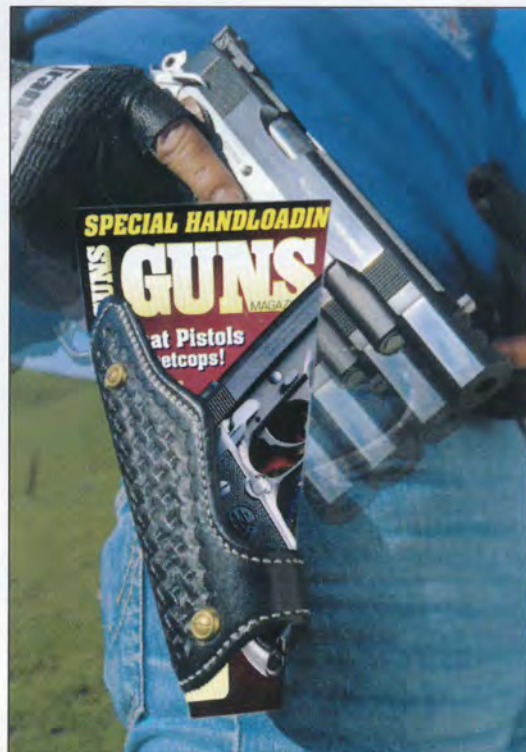
The best way to make sure you get **Guns** all year, is to subscribe. You'll discover that each issue is loaded with news that will help you enjoy your guns more.

And you'll save money too! A one year subscription to **Guns** costs about \$15 less than buying it at the newsstand every month.

- ✓ HANDGUNS
- ✓ RIFLES
- ✓ CUSTOM GUNS
- ✓ HANDLOADING
- ✓ NEW PRODUCTS
- ✓ AND MORE!

If you're a serious shooter, you seriously need **Guns**. Make it a regular part of your shooting gear. Start your subscription today.

Complete and return the card attached or write to **Guns**, P.O. Box 85201, San Diego, CA 92138



better off without this idiot called J.D. Jones!

Jim Baldwin
Salt Lake City, Utah

1911 Neutral

I would like to put in my two cents worth in the "Revolver Neutral" controversy. Any poor soul (translation: Revolver Shooter) who thinks this is going to help him in anyway compete more easily in IPSC is going to be sorely disappointed! Except for the rare person like Jerry Miculek, we wheelgunners are the bastard children of the IPSC circuit.

The only reason the "Revolver Neutral" farce was perpetuated was to assure, for a few more desperate years, the prominence of the 1911-type pistols.

The "Powers That Be" in IPSC were bowing to the pressure of the many manufacturers of 1911-style guns, the many makers of after-market parts and the plethora of gunsmiths who don't want to have to change what they are doing and have too much invested in the dominance of the 1911-style guns.

This group wants firearms development frozen so their "rice bowls" won't get broken. They are scared to death of the various Glocks, S&Ws and other high capacity pistols, which can now compete in the major caliber class thanks to new cartridges (.40 S&W) or new designs (.45 and 10mm Glocks).

Is this Progress? No, its hypocrisy in its worst form! Well, they have won for the moment, but they cannot hold back progress forever. Time, and firearms development, wait for no man.

If this is how the shooting sports were meant to run, we'd all be competing with single-action S&W .44 Russian revolvers, with black powder cartridges!

Paul Scarlata
Asheboro, NC

I Am No Prude

Massad Ayoob is a knowledgeable and articulate writer on guns, self-protection, and armed combat. However, as proof-reading failures draw more attention to minor errors than to major points, his

I eagerly handgun
hunt bears with
bearded, fried chicken
loving, tobacco
chewing men.

messages are muddled by his (self-titillating) use of sexual imagery and slang.

The word scumbag in the introduction to his "Doorstep Shootout" (*The Ayoob Files*, March/April '91) article reflects

poorly on him, your magazine, and handgunners in general.

Although an Ivy Leaguer with two degrees, I am no prude. I eagerly handgun hunt bears with bearded, fried chicken loving, tobacco chewing men who use the *mf* word in every other sentence. But what goes in the woods, on the street, in the bar, or in the men's room, doesn't go in public, especially in print.

When all gunners are subject to close scrutiny by so many (mostly ill-informed) "antis," we all need to make the best possible impression as mature and responsible individuals, or risk losing one of our most important individual rights.

Sheldon L. Smith
Austin, Texas

Virgin Mouth

I just opened my March/April 1991 issue of *American Handgunner* and was stopped cold by large bold type at the top column three on page 7.

Obviously, the headline and the following letter compare Massad Ayoob to a bodily orifice. I don't entirely disagree with the analogy (pun intended) however I do strongly disagree with the delivery of the message.

If attorney Marshall Davis Brown, Jr. had the lapse of good judgement to use the unfortunate term in his correspondence to your magazine, you should have certainly had the good sense to edit before

'I want you...'

(to receive a FREE subscription to *THE BLUE PRESS*, the shooter's newspaper from Dillon Precision Products, Inc.)

"Controversial articles and commentary, product information and more can be found between the sheets of *THE BLUE PRESS*."

"But best of all, if you drop me a note, I'll register you to win* a Dillon Square Deal 'B' reloading machine."

YES! Please sign me up

Name _____

Address _____

City _____

State _____ Zip _____

Dillon
Precision
Products, Inc.

*One entry per household, please. If you're currently on our mailing list, you're already eligible!

7442 E. Butherus Drive
Scottsdale, AZ 85260
(602) 948-8009
(800) 421-7632
Fax (602) 998-2786



Dillon Precision is now your one-stop source for BRASS, BULLETS and POWDER from leading manufacturers like Remington, Hercules, Winchester, Sierra and PMC!

printing it. What else are editors for?

I take strong exception to this for two reasons. First, I have witnessed a steady decline in the English language to the present point where the most commonly used adjectives are or should be unprintable. Our children are being raised hearing this language on the street and in their homes and now they are reading it on public bathroom walls and in the pages of *American Handgunner* magazine.

Next, I am sure the anti-gunners will be pleased to see this development. They already categorize legal law abiding gun owners with armed robbers, muggers and thieves. They would portray us as red necked, pot bellied and foul mouthed and you have reinforced their tainted picture.

I have rarely been called "virgin mouth" but I will tell you that I don't use foul language in the presence of a lady and I certainly would not print it, sign my name to it and publish it for hundreds of thousands of people to see.

D. Thomas Thompson
Cypress, Texas

Club 100 Is Tops!

What is *American Handgunner's* pick of 100 gunsmiths like?

A week or so before Christmas my young wife ordered a Predator from Mag-Na-Port (my Christmas present).

She was told it might not be possible to gain the cherished delivery of her choice

due to the work load at Mag-Na-Port. But Larry Kelly, one of your Club 100 pistol-smiths, went the extra mile and the gun was delivered to icy Iowa on Dec. 23!

There, sirs, is a gentleman of the old school. And judging the Predator against my standard 7 1/2 inch Ruger Super Blackhawk, a man who heads a fine group of 'smiths!

Your Club 100 list has been placed in my permanent binder. If the other 99 men you stand behind are of the caliber of Larry Kelly... need I say more?

Casey W. Raskof
St. Croix, Virgin Islands

Nuked With Nice

Nearly two years ago I ordered a Dillon Precision RL550B reloading press for my police department. I have used this piece of equipment to initiate a comprehensive loading program to supply range ammo for our issue 9mm Glock pistols.

After loading nearly 10,000 rounds of 9mm I broke a primer seating punch. I called Dillon Precision and requested current prices on the appropriate part.

Instead of getting a reply to my question, I was asked what went wrong. After explaining the circumstances, I was told that Dillon would send me a complete new primer slide assembly at no cost.

Although this was my first experience with breakage on my press, it was the second time I had called Dillon. Both times I called, the folks at Dillon Preci-

sion nuked me with nice!

My new primer slide assembly arrived six days later. I installed the new piece and was up and running as before.

The important point is that I never asked or argued for free replacement of my broken part. And I certainly don't consider a minor part defective if it breaks after 10,000 rounds and two years of use.

Dillon Precision does care, and they aren't afraid to show you. Their RL550B is by far the finest manual-progressive reloader I have ever used. It is apparent to me that Dillon Precision stands behind their product.

It is equally apparent that Dillon stands behind the people who purchase their products. I am happy to be a volunteer Dillon Precision ambassador. I just hope that their corporate behavior rubs off on other companies.

Patrolman Chris Raboin
Int'l. Falls Police Dept.
Int'l. Falls, Minn.

Tell It Like It Is

Let's go to the wonderful article written by Frank W. James, *The Nationals That Wasn't* (March/April 1991). Controversy is the key word in Mr. James' article and I am so glad to see that Mr. James and your magazine has the integrity to tell it like it is and not sugar coat it as so many others have done.

The brouhaha over the 9mm Major is

The World's First 3X-9X Variable Handgun Scope Now-From Burris



Now; the most popular power range among rifle shooters is available to handgunners. The optical system is designed to produce a shorter, more compact scope without sacrificing either field-of-view or eye relief. Our 3X-9X LER features a one piece, super hard anodized outer body tube; Fogproof, nitrogen filled, "O" ring sealed; Steel-on-steel click adjustments; Solid brass zoom system; Magnum proof construction; A written lifetime warranty; and a 100% made in the U.S.A. product. Whether you are hunting game or testing loads, the new 3X-9X has the perfect power selection. Three models to choose from, including one with parallax

adjustment that covers ranges from 25 yards to infinity.

The new 3X-9X Variable Handgun Scope is available today at an authorized Burris dealer near you. For a copy of our catalog and a Burris embroidered patch send \$1.00 to: P.O. Box 1747, Dept. C2, Greeley, CO 80632 (303) 356-1670.

Burris

just the tip of the iceberg. Now we must contend with calling optical sights practical in a defensive role. Jerry Barnhart says they're "practical" in his interview with Dave Anderson. I don't think Mr. Barnhart has a clue to what it's like in the real world.

Optical sights may have a place on weapons of a special tactics team, but there is no place for them on the weapons of the beat cop, detective, or for that matter, anyone else that carries a gun in a practical sense. Obviously, Jerry has watched too many Arnold Schwarzenegger movies.

Lastly, I will comment on an editorial written by Mike Dillon in his paper *The Blue Press* (Jan. '91). Mr. Dillon tells how photojournalist Nyle Leatham was barred from a IPSC World Assembly Conference meeting in Australia during the recent world shoot by none other than a direct representative of USPSA president, Dave Stanford. It appears that Mr. Leatham was barred because he works for your magazine.

As Mr. Dillon points out, this is clearly an infringement on the First Amendment rights of Mr. Leatham. Fellow USPSA members should take note. Is this really the man we want running USPSA? How about a vote of no confidence. He surely has mine!

L. Peale
Grand Junction, Colo.

God Bless Handgunner

Thank God for *American Handgunner*!

It's so refreshing to read an article in a magazine that tells it like it was. The Nationals that wasn't— what an understatement! (March/April '91)

For almost two years I worked for my slot to this match. Even after being laid off from my job at Southern Gun & Tackle and out of work for almost a year, I hung on, scrimping and saving so I could attend. I even sold several of my guns as well to "pay the price" of attending.

Eight months prior to the match I began to work with my 9mm Major, and was eager to compete, only to have USPSA judge 9mm Major to be "unsafe."

But did I kick and scream? No, I said, "Okay, if it's dangerous then I'll stop shooting 9mm Major," although I never had a problem with it in my Glock.

As the Nationals approached I switched to a Glock .40 S&W only days before the match. As the match progressed, although shooting very poorly, I was still having fun.

That's when I observed Rob Leatham picking up brass at the chronograph. I remarked to my shooting buddy how odd that seemed— maybe the sponsors were getting tight?

That's when I heard about 9x21 and my heart sank. I felt betrayed by USPSA, the organization I've been so proud to belong to.

All of a sudden because the Big Boys

and the Big Bucks wanted it, 9mm Major was now "safe." I'm sure if I showed up at the Nationals with a 9x21 and was the only competitor with it, they would have kicked my ass out of Barry quicker than you can say JLE/TSW!

So much for "safety of the competitors."

I also noticed something your article did not mention. The favoritism given to the Top Guns. I personally saw one top shooter break the 180°, forcing the spectators to lean back, out of harms way. But no D.Q.

I also saw a Top Gun have a major jam on a stage, only to have the timer malfunction while he was trying to clear it. Reshoot!

Yes, this was my first and last Nationals.
James Graubard
Pembroke Pines, Fla.

Gun Control Tactics

Has anyone noticed the similarities in the principles and tactics used by those pushing for the "Major Nine" ban in USPSA and gun control advocates (HCI especially) in general?

Despite the fact that Major Nine is perfectly safe when loaded properly and used safely by thousands of shooters around the world, the USPSA wants it banned citing a "concern for safety."

The "problem," if indeed there is one, is with irresponsible loaders/shooters, not the Major Nine! It is unsafe people we need to ban, not the Major Nine.

The safety issue that USPSA stands on is identical to the arguments HCI uses to push for gun control instead of crime control. The ultimate extrapolation of this "concern for safety" would certainly solve the problem since it ends up with

everyone disarmed!

T'Sgt. Michael S. Orick
Kirtland AFB, NM.

Dillon Takes A Licking, Keeps On Ticking!

In your May/June issue's *Ayoob Files* on "The Greg Ferris Incident," we received a call from Greg shortly after his admirable defense. The first blast of buckshot, while leaving the majority of his Square Deal functioning, demolished the powder measure unit.

After appropriate consultation (10 or 15 milliseconds) it was decided that although this was an extreme case, we would replace the powder measure under Dillon's No-Bullshit Lifetime Warranty. His shot-up powder measure is still gathering dust around here someplace.

Gary Kieft
Salesman/Technician
Dillon Precision Products
Scottsdale, Ariz.

PS: There is one other known instance of a Dillon loader being shot. A customer's friend "accidentally" discharged a 9mm 125 FMJ into the frame of his RL 550B. The impact put a very slight dimple in the frame without even chipping the paint.

We don't encourage our customers to shoot their machines.

AMERICAN HANDGUNNER welcomes letters to the editor for the *Speak Out* column. Letters should be typewritten, but legible handwriting is acceptable. Letters must be less than 350 words. We reserve the right to edit all published letters for clarity and length. Send your letters to *Speak Out*, American Handgunner, 591 Camino de la Reina, Suite 200, San Diego, CA 92675.

NOW YOU CAN COMPETE WITH THE POWER ADVANTAGE

National combat champions rely on the expertise of Ron Power to produce customized firearms worthy of the user's potential.

Now Ron Power has extended his services to the serious pistolsmith by offering specialized tools and customized patented parts exclusive through Brownells Inc. of Montezuma, Iowa.

PLEASE NOTE OUR NEW ADDRESS

POWER CUSTOM, INC.

R. Rt. #2, Box 756-AB
Gravois Mills, MO 65037

Power Custom
GRAND MASTER DELUXE
with Hogue
Monogrips®



Distributor of
Hogue Monogrips®

Old World Craftsmanship coupled with modern technology and design.

ELECTRONIC SCALES SAVE TIME AND FRUSTRATION OF ITTY-BITTY WEIGHTS

Nothing is more paramount during the process of reloading both in terms of accuracy and safety than a reliable means of weight measurement.

Handloading the empty metallic cartridge case for use in shooting practice, competition, hunting or self-defense demands a precise method of measurement. It is the very essence and definition of safety to know exactly the amount and weight of the powder charge and projectile employed during the reloading process.

Lyman Products Corp. and the RCBS division of Blout, Inc. have always produced fine balance beam reloading scales, but now they have gone a step further with the introduction of two different electronic scales. And I want to tell you the end result from both firms is nothing short of great!

Balance beam scales are the industry standard and their prices range from very

reasonable (almost cheap) to the more expensive models. One of the more elaborate balance beam scales on the market is the RCBS Model 304 that I have been using for several years.

The Model 304 is a laboratory quality balance beam scale with a ten grain dial wheel that is accurate to the nearest tenth of a grain. The advantage here is one of speed, because even though the RCBS 304 has two beams (one for 10 to 100 grains, and a second for 100 to 1,000 grains) the dial is used to fine tune the final reading without need of adjusting the weight on one of the beams.

It is this adjustment of the weights on the beams that has always driven me absolutely nuts. I hate it! There

is no other way to say it. I detest adjusting a balance beam scale.

Even though the beams are dampened magnetically, it still takes too long for the beam to find a balance point and the final zero for my short tempered patience.

Since time is one of the few things we can't go out and buy I get impatient while waiting for the beam to finally stop moving. I am usually running behind to begin with, but the Model 304 allowed me use of the dial for an accurate reading without having to fumble with tiny weights on the ever shaky beams, and up to the introduction of these electronic scales I was quite pleased with the Model 304.

Now I have discovered something better. Something even more idiot-proof and fumble-resistant—the electronic scale.

Lyman LE-1000

There are a number of differences between the two scales, but let me say up front that both scales are excellent and each receives a Siskel and Ebert "thumbs up" recommendation from me.

The Lyman LE-1000 is presented in a smaller package than the RCBS Model 90



and as such its liquid crystal readout is smaller, which makes it a little more difficult to read depending upon 1) your eyesight, 2) the light available, and 3) how much of a hurry you are in.

The major difference between the two is the fact the Lyman LE-1000 is rated for twice the weight of the RCBS Model 90. The RCBS Model 90 weighs only in grains and will weigh no more than 500 of 'em.

The Lyman LE-1000, on the other hand, will weigh both grains and grams and has an upper limit of 1,000 grains. Each scale reads to the nearest tenth of a grain and each scale takes about the same amount of time to finalize its readout.

Which, incidentally, is about the same time it takes a balance beam scale to quit oscillating. The advantage with the electronic scale is you hit the zero balance point, first time, every time.

The Lyman LE-1000 comes with a 50 gram test weight, but my test weight was a little light as it was supposed to be 771.6 grains. It wasn't. It weighed only 771.2 grains, but it also showed only 49.97 grams so at least it was consistent.

RCBS Model 90

The RCBS Model 90 operates off eight AA batteries or through use of a 110 volt AC adapter. The liquid quartz readout is large enough to be read easily since the letters are a half inch in height.

The RCBS Model 90 comes complete with the AC power adapter, two 250 grain calibration weights, a scale pan,

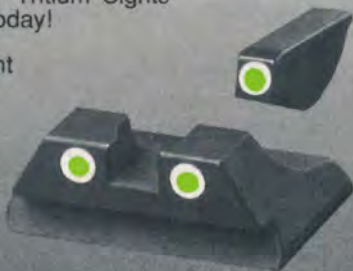
Continued on page 115

Why do the

Israeli Army/U.S. Marine Corps. /U.S. Border Patrol
U.S. Treasury Dept./D.E.A. and Major Firearms Mfgs.
(just to name a few)

use our sights?

- The Finest Quality Tritium Sights On The Market Today!
- Unequaled Daylight and Low-Light Sight Picture
- Pricing
- Availability



- Impervious To Cleaning Solvents and Chemicals
- 5 Year Warranty Against Loss of Illumination

You can see the difference!

MEPROLIGHT®

HESCO INC. 2821 GREENVILLE ROAD / LAGRANGE, GA. 30240 / PH: 404-884-7967

THE NATIONAL HISTORICAL SOCIETY

CIVIL WAR CHESS SET

Richly detailed portrait sculptures of great American heroes
—in solid pewter, solid brass and fine enamels.
An heirloom chess set to be enjoyed for generations.
Created by the world-famous craftsmen of The Franklin Mint.

SHOWN ACTUAL SIZE



Major General
William Tecumseh Sherman
BISHOP



General in Chief
Ulysses S. Grant
KING



Pewter-finished chessboard and fitted case measures 12-7/8" by 12-7/8". Included with the set.



General in Chief
Robert E. Lee
KING



Major General
J.E.B. Stuart
KNIGHT

Available only by direct subscription.

Issue Price:

\$22.50 per sculptured chess piece.

Limit: One complete set per subscriber.

Please enter your subscription
by August 31, 1991.

The National Historical Society Civil War Chess Set is a dramatic and fascinating tribute to the heroes of both North and South. For the playing pieces include richly-detailed 3-dimensional *portrait sculptures* of the great Generals on both sides, as well as enlisted men.

Each figure will be captured for the ages in solid pewter, then set atop a solid brass pedestal base encircled by a richly colored enamel band—blue for the Union, gray for the Confederacy. And every nuance of facial expression, uniform and weaponry—right down to buttons, braiding, sabers and carbines—will be depicted with uncompromising accuracy.

The result is a work that will bring lasting pleasure to chess enthusiasts, history

buffs, collectors of military miniatures—anyone who appreciates our nation's heritage. An imported work of heirloom quality, certain to evoke admiration and envy from all who see it dramatically displayed in your living room, den or office.

Crafted for the Society by The Franklin Mint, each figure is scaled to suit the role assigned to it in the game of chess. The chessmen will be issued at the attractive price of \$22.50 each. The handsome pewter-finished playing board, the fitted protective case, a Certificate of Authenticity and specially written reference materials will be provided at no added cost.

As a subscriber, you will receive two sculptured pieces every *other* month. You will, however, be billed for only *one* chessman at a time—just \$22.50 per month.

No advance payment is required. But please note that the accompanying application is dated and should be mailed by August 31, 1991.

THIRTY DAY RETURN ASSURANCE POLICY
If you wish to return any Franklin Mint purchase, you may do so within 30 days of your receipt of that purchase for replacement, credit or refund.

© 1991 FM
SUBSCRIPTION APPLICATION

Please mail by August 31, 1991.

The National Historical Society
c/o The Franklin Mint
Franklin Center, Pennsylvania 19091

Please enter my subscription for The National Historical Society Civil War Chess Set, consisting of 32 chessmen.

I need send no money now. I will receive two new playing pieces every *other* month, but will be billed for just one piece at a time—\$22.50 per month—beginning when my first shipment is ready to be sent. I will receive the fitted presentation case and pewter-finished chessboard at no additional charge.

**Plus my state sales tax and \$.50 per chessman for shipping and handling.*

SIGNATURE _____
ALL APPLICATIONS ARE SUBJECT TO ACCEPTANCE

MR/MRS/MISS _____
PLEASE PRINT CLEARLY

ADDRESS _____

CITY _____

STATE/ZIP _____

8 3 8 0 2 - 339

Limit: One set per subscriber.

FREEDOM ARMS NOW CONVERTS TO .45 ACP AND .45 COLT CYLINDERS

There will be another trophy white-tail handgun only hunt at White Oak Plantation next December. Write or call Robert Pittman for information on all their hunting at White Oak Plantation, Rt. #1, Box 25, Dept AH, Tuskegee, AL 36088, phone, 205-727-9258. Numbers are limited on this hunt though there is plenty of other time to schedule a hunt.

For those interested in a trophy Alaskan caribou hunt contact Jim Herbert at (313) 258-1550 which is the number of Big Game Safaris, 44 Long Lake Rd., Dept. AH, Bloomfield Hills, MI 48304. This is somewhat of an unusual Caribou hunt about a hundred miles from Prudhoe Bay. Final fly in arrangements are still pending and will probably not be completed until the desires of the hundreds are considered.

There are both scenic and fast routes. The hunt is for resident animals—that means it's not dependent on migration to provide animals for the hunting area.

Accommodations are quite good for this sort of hunt. It is not a "strictly on your own" hunt but a partially guided hunt. We plan to have one guide for every four hunters. This provides a far greater chance of success,

safety and someone to do a major portion of the bull work while providing a hunt far more reasonably priced than a fully guided hunt.

The hunter also feels more comfortable with what he has accomplished than on a fully guided hunt. The hunt will be for five days of actual hunting which should be adequate for selecting a trophy caribou. There is excellent fishing and no extra charge for wolf, wolverine or arctic fox.

Hunt dates are August 25-31 which may be extended for moose which opens on September 1. The hunt itself is \$2,250. Be sure to check out any extras such as licenses and any additional transportation costs which will undoubtedly vary according to the scenic or fly-in route.

So far all of the hunts I've recom-

mended in this column have turned out very well. I hope it keeps up. Jim is a very experienced world-wide booking agent who, although he is personally a bowhunter, is fully dedicated to the hunting sports and a past winner of Kelly's Handgun Hunter Hall of Fame award. If you are looking for any kind of hunt, Herbert is worth checking.

By the way, I'm not a booking agent and don't make a cent off of any hunts booked as a result of this column—this is strictly a service.

SSK In Iraq

Desert Shield has generated the greatest ground swell of patriotism and support of our military in history. Desert Storm and the subsequent return of some



SSK Express Mail! A pair of 2,000 lb. laser-aimed bombs on an F-117F prepare to show Saddam's goons the gates of hell. Photo by SSgt. Scott Earle, 366TFW.

troops has kept the ball rolling. Don't forget them.

There will be a lot of guys in the desert for a long time. Send them condiments to spice up MREs, disposable cameras to take a few pictures to remember a time in their lives, foods such as dried fruits, canned tuna, Spam—you get the picture. Books to pass boring time with.

And don't forget the vets in Veterans Hospitals all over the country. These guys from WW II, Korea, Vietnam and disabled by accident during peacetime have paid and are still paying a terrible price for the freedoms which we take for granted and abuse.

Its payback time. Visit them. Take them a small gift. Let them know they haven't and won't be forgotten. Get your

organization to sponsor short day trips fishing—visiting zoos, museums, whatever—is of interest in your area. Saying "Thanks" isn't an embarrassment; its an obligation far too many have forgotten.

Freedom Arms News

Freedom Arms .22/.22 Mag. interchangeable cylinder revolver is well launched. Production is well underway with several hundred guns delivered at this writing.

The test gun I have is fitted with both cylinders and performs well with both of them. Chambers are tight—ammunition varies in bullet diameter with the general feeling the largest diameter bullets provide the best accuracy. However, you will have to clean the chambers of this one to keep it shooting.

The overall performance of the gun is excellent with both cylinders. It is more accurate than any .22 revolver I've owned with one possible exception that was worn out in the early Sixties. Yep, its expensive, large and heavy—but it shoots!

I'll not try to dazzle you with quoting tiny group sizes and making excuses for flyers because the wind caught the bullet, but I will predict you will begin to see revolver .22 silhouette scores getting a lot closer to those shot by the auto pistols and single shots.

Speaking of Freedom, I sent my six-inch octagon .454 back to Freedom for a .45 Colt cylinder and also one of the first .45 ACP cylinders installed in a FA revolver. Haven't shot the .45 Colt yet but the 4.5 ACP is a ball with good handloads. .22 turkeys at 75 yards are "gimmies" from a rest with this gun on a calm day. If the wind

is blowing much its a different story!

The addition of either or both accessory cylinders to your existing .454 can really increase the usefulness and pleasure of using a fine revolver. Freedom advises they can give reasonable turn around on the extra cylinders too. Mine took about six weeks.

I've been having excellent results in .45 ACP revolvers with the 230 Hornady flat point and from 7.5 to 8.5 grains of 800X.

A note of caution about shooting .45 Colt cases in .454 Cylinders. Don't do it. The end of the chambers are square cut. Jacketed bullets can expand to chamber diameter between the end of the case and the end of the chamber.

Continued on page 102

THE SOLUTION

a new generation of illuminated dot sights.



The epc[®] is a sub-miniature non-magnifying red dot sight suitable for all weapons and particularly pistols, allowing them to be holstered. A specially designed snap-action switch allows single handed operation where the epc[®] is used on a hand gun.

The intensity of the illuminated dot is automatically adjusted by a forward facing sensor. Use of a solid optical prism prevents fogging, and optical faces are flush with the casing and can simply be wiped to remove condensation or dust.

The epc[®] is easily installed without gunsmithing, using a special adhesive system, and the two minute curing period allows ample time for zeroing adjustment.

The iron sights which remain visible through the epc[®] can still be used as a back-up system. Use of Kevlar[®] composites gives the sight shock resistance up to 5000g. It is also waterproof to 20m.

epc

ELECTRO PRISMATIC COLLIMATORS, INC
375 S. FLOWERS MILL ROAD, LANGHORNE, PA. 19047
TELEPHONE (708)-698-9600
FAX (708)-698-9623

SEE YOUR LOCAL DEALER FOR MORE INFORMATION OR SEND \$1.00 FOR A BROCHURE.

LADIES WORLD CHAMP SAYS GOOD CARE OF EQUIPMENT IS KEY TO WIN

Shooting is an art in itself. A competent level of performance in one area of shooting can take many years. The long hours spent on the practice range is only one aspect on the road to success.

Within the main shell of "shooting" there exist three sub-shells that are reloading, gunsmithing, and practice. Each is an art in itself, with sub-systems branching off like a country road. Without exploration, you'll never know how to get to the right place.

Starting Out

Like all new handgunners, I bought a pistol and some usable leather. I had expectations that a stock system and a

chronized with each of the "Big Three" loading configurations. These are:

1) The low power end used for Steel Challenge. 2) The mid power end used for Bianchi. 3) The high power end used for IPSC.

I brought a portable reloader, chronograph, tools, and a bag full of spare springs to the range. After finding a load that sat safely on the edge of the desired-power factor, I clipped recoil and mainsprings, a half coil at a time, until shell ejection and the forward slide feeding cycle was acceptable. Resulting data was noted and logged.

Compensators Arrive

The coming of delayed-recoil com-

Cracked lower lugs were due to the .38 Super's violent slide snap. After one barrelmaker got tired of sending me a new barrel every week, he tacked a slab of weld in back of the lug which cured the problem.

Full supported barrels came along about this same time and pot-bellied brass ended. However, fully supported chambers were tight as a drum and brass had to be resized all the way down to the rim!

I found that standard .38 Super resizer dies wouldn't do this. I ground the bottom radius off a Dillon die and seated it down far enough to depress the shell plate. This got us a few extra thousandths closer to the case rim which cured 99% of our feeding problems.

Standard Colt 9mm/.38 Super extractors also worked poorly with high power ammo. I discovered this fact after having many failure-to-extract induced jams known as the dreaded "double feed."

Bill Wilson came out with beautiful new tuned .38 Super extractors to solve this shortcoming. They have a solid extractor head with a deep, sharp groove unlike the standard Colt style.

Flattened primers, at first, caused no malfunctions, so I thought! During



few boxes of store-bought ammo would do it all.

At my first competition I got beaten by a shooter whose .45 pistol shot without recoil. My stock Gold Cup with hardball ammo bucked like a mule. This started my competitor's drive to find the cutting edge of equipment.

I soon discovered the virtues of reloading, which brings its own agony and ecstasy. Having tailored recoilless loads, we must then deal with the 1911-A1 spring systems, which have to be syn-

compensator pistols presented a whole new panorama to the cutting edge as did the list of new gun powders and bullet configurations.

Among them, the .38 Super brought its own agony and ecstasy—the ecstasy being high capacity and no recoil torque and the agony of extreme case pressures and finicky cycling.

To enjoy the ecstasy I had to discover ways to cure the agony. These took the form of flattened primers, pot-bellied brass, bent extractors, and blown barrel lugs.

matches, however, I always had one round that failed to fire. This never occurred in practice, only at matches. The bad rounds all had a strange little half-moon dent in the primer and would fire perfectly on the second hit. This problem, having the classic sign of high-primers, threw me for months.

It cost me a \$15 entry fee to find the real problem. Small bits of chrome from the flattened primers were plugging the firing pin hole when using

Continued on page 22

SALE!**\$39.95**

RIGHT ON TARGET!

\$39.95**SALE!****HOW TO SHOOT FAST VIDEO****PISTOL MASTERS VIDEO****WE'VE GOT THE HOTTEST VIDEOS ON SALE FOR \$39.95 EACH!**

- ★ STEEL CHALLENGE ★ ROCK 'N ROLL #3
- ★ IPSC NATIONALS ★ DEADLY WEAPONS
- ★ HAND GUNS & HOME SURVIVAL
- ★ WOMEN'S GUIDE TO IPSC

★ WILSON COMBAT

- Extended Safeties Blue or Stainless
- Extended Slide Release Blue or Stainless
- Extended Combat Ejector
- Match Stainless Barrels
- Extended Magazine Button
- Match Trigger w/3 Holes
- Commander Hammer Blue or Stainless
- Beavertail Grip Safety Blue or Stainless
- Shok-Buffers (6 Pk.)
- Combat 3 Dot Sights
- Full Length Recoil Guide Gov./CC
- Magazine Well Funnel Blue or Stainless
- Checked Mainspring Housing
- Recoil Springs, 8, 9, 10, 12, 15, 17, 18 Lbs.
- Safariarms Ext. Safeties Blue or Stainless
- Safariarms Ext. Ambi Safety

★ MAGAZINES & SPEEDLOADERS

- Metallum Magazines with Pads
- Shooting Star 38 Super 10rds Magazine
- Shooting Star 45 ACP S/S Magazine
- Safari Comp II Speedloader
- Safari Comp III Speedloader

★ ACTION TUNE-UP KITS

- S & W K/L/N Spring Kit \$15.00
- Colt 1911 Spring Kit \$16.95
- S & W J. Frame Spring Kit \$ 9.95
- Beretta/Taurus 92 Spring Kit \$14.75
- Sig-Sauer P226 Spring Kit \$14.75

★ MISCELLANEOUS ACCESSORIES

- Chapman #9600 Screwdriver Set \$ 24.95
- Chapman #8900 Screwdriver & Allen Set \$ 27.95
- Pro-Optics Shades Glasses \$ 27.95
- Phelps Dillon 450/550 Case Feeder \$159.95
- IPSC U. S. Nationals Video \$ 49.95
- Steel Challenge Video \$ 49.95
- Bianchi Cup Video \$ 49.95

★ SIGHTS

- Bo-Mar BMCS Competition Rear Sight \$65.95
- Bo-Mar Undercut Competition Front Sight \$ 9.50
- Wichita Combat Rear Sight \$59.95
- Meprolight Sights For Most Firearms \$ 59.95
- Laser Devices Laser Sights \$320.00

Call & Save \$\$\$

- Save \$\$\$ \$19.95
- Save \$\$\$ \$29.95

★ B.A.T. PRODUCTS

- B.A.T. Ultra-Mag Brass Pads 2Pk \$ 9.95
- B.A.T. Ultra-Comp Bushing Compensator \$ 69.95
- B.A.T. Ultra-Comp Kit I \$189.95
- B.A.T. Ultra-Comp Full Profile Kit III \$299.95
- B.A.T. Ultra-Match Deluxe Hammer \$ 28.95
- B.A.T. Pro-Series V Comp Kit \$425.00
- NEW! B.A.T. Dually Comp II Comp Kit \$250.00
- B.A.T. Pro-Series V Slide Conversion \$895.00
- B.A.T. Pro Competition Magazine with Pad \$ 32.95
- B.A.T. Compact Pro-Shooters Bag-Black \$ 69.95
- NEW! Pro-Series 1911 Scope Mount \$ 99.95
- NEW! Alum-Lite Para-Ordnance Mag Pad \$ 9.95
- NEW! Turbo-Tripod Comp Kit \$299.95

★ RED BUFF PRODUCTS

- Mag Buff Pads (All Colors) 5-Pk \$9.95
- Red Buff-1911-5-Pk \$6.95
- Red Buff Nine-5-Pk \$6.95

★ CHIP MCCORMICK PRODUCTS

- NEW! Titanium Super Light Trigger \$31.95
- McCormick Square Commander Hammer \$79.95
- Nastoff McCormick Commander Hammer \$79.95
- McCormick Prepped Sear \$22.95
- Titanium 45 ACP-1911 Firing Pin \$26.50
- Titanium 38 Super-1911 Firing Pin \$26.50
- Titanium Hammer Strut \$13.95

★ ERNIE HILL LEATHER

- New Fas-Trac Holsters Brown or Black Basketweave \$99.00
- Speed Competition Belts Save \$\$\$
- Single Magazine Pouches Save \$\$\$
- Double Magazine Pouches Save \$\$\$
- Triple Magazine Pouches Save \$\$\$

★ SAFARILAND COMPETITION LEATHER

- 008 Final Option Holster Save \$\$\$
- 002 Cup Challenge Holster Save \$\$\$
- Gunfighter Belt Black Basketweave \$42.30
- Adjustable Single Mag Pouch BBW \$18.25
- Double Mag Pouch BBW \$27.35
- Triple Mag Pouch BBW \$37.75
- Competition Triple Speedloader Pouch \$17.95

★ TIMERS & CHRONOGRAPHS

- Pro-Timer III \$249.95
- Pro-Tach Chronograph \$149.95
- TNT Timer Chronograph \$325.00

★ ED BROWN PRODUCTS

- New 1911 Ambi Safety Stainless \$54.95
- New 1911 Ambi Safety Blue \$49.95
- Hi-Sweep Beavertail Grip Safety Blue \$31.95
- Hi-Sweep Beavertail Grip Safety Stainless \$33.95
- Match Grade Commander Hammer Blue \$35.95
- Match Grade Commander Hammer Stainless \$38.95
- Hex Head 1911 Grip Screw Blue \$ 7.95
- Hex Head 1911 Grip Screw Stainless \$ 8.95
- Heavy Duty Guide Rod Assembly \$27.50
- S&W K/L/N Oversize Thumb Latch Blue \$23.95
- S&W K/L/N Oversize Thumb Latch Stainless \$24.95
- S&W 4500 Extended Slide Stop Stainless \$42.95

★ RAM-LINE PRODUCTS

- Increased Capacity Magazines \$24.95
- Beretta 92F-18 rds. Blue or Stainless \$24.95
- Taurus PT92/99-18 rds. Blue or Stainless \$24.95
- Sig-Saver P226-18 rds. Blue or Stainless \$24.95
- Ruger P85-18 rds. Blue or Stainless \$24.95
- Browning Hi Power-15 rds. Blue or Stainless \$24.95
- S&W 6900-15 rds. Blue or Stainless \$24.95
- S&W 5900-17 rds. Blue or Stainless \$24.95

★ AIMPOINT

- Aimpoint 5000 Magdot \$269.95

★ J.A.F. GUNSMITHING PRODUCTS

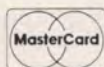
- Stainless Steel Guide Rod- Glock 17 \$29.95
- Stainless Steel Guide Rod- Glock 17L \$39.95
- Stainless Steel Guide Rod- Glock 19 \$29.95
- Stainless Steel Guide Rod- Glock 23 \$29.95
- Stainless Steel Guide Rod- Glock 22 \$29.95

★ BOOKS

- "You Can't Miss" by John Shaw \$ 9.95
- "Shoot to Win" by John Shaw \$11.95
- "Combat 45 Auto" by Bill Wilson \$11.95
- "Hallock's 45 Handbook" \$11.95
- "Combat Handgunnery New Edition" \$11.95
- "Mastertips" by John Winokur \$11.95
- "Stressfire" by Massad Ayoob \$ 9.95
- Life Without Fear" by Dalton & Fowler \$10.95
- "In The Gravest Extreme" by Massad Ayoob \$ 9.95

★ MAG FUNNELS

- S & A MAG-Guide \$69.95
- Clark/Barret Funnel \$25.00
- Shaw Type Funnel \$28.95

**SHOOTER'S DEPOT**

P.O. BOX 3238, HIALEAH FL 33013

FOR INFORMATION CALL 305-221-6381 FREE SHIPPING IN CONTINENTAL U.S.A.

SEND \$3.00 FOR THE MOST COMPLETE PRACTICAL PISTOL CATALOG OF THE 1990'S. ORDER BY FAX! 305-551-6445

1-800-553-0844

FOR ORDERS ONLY

match major ammo!

The cure came in the form of these three items— first, a turned down .45 firing pin. This caused a wider primer impact and left no room in the firing pin hole for chrome blow-back. Secondly, the use of the thicker small rifle primers and, thirdly, the use of Blue Dot powder.

Expanding Skills

After six years of digging for the elusive "edge" in pistolcraft, I decided to expand my shooting skills.

I wanted to experience other areas of competition outside the IPSC arena. In doing so I have come to realize the real road to success is in the 10 by 12 foot gunsmithing/reloading room.

You can't even go out and practice if you don't have a reliable gun and load combination.

My journey began when Judy Woolley and Kay Clark called me in January '91. They wanted me as a teammate in the Chevy Truck Sportsman's Three-Gun Team Challenge.

I quickly scrambled to take out the old Remington 1100 12 gauge, and Ruger 10/22 I had won at some pistol match. Within the first eight shots the 1100 jammed.

Having little knowledge of the Remington 1100, my practice session ended.

An experienced shotgun competitor told me that the gas ports needed to be enlarged.

"Start with the small drill bits, shoot the gun, and work your way up," was the advice. He was right! Skeet loads now eject perfectly.

When all this was going on with the shotgun, I was having the Ruger rebarreled. I began the process of finding an accurate and reliable .22 LR brand. I found Winchester Super-X High Velocity to be reliable and very accurate during my practice sessions.

No sooner did I latch onto the Winchester than Kay Clark said, "Maybe you should change to CCI Green Tag for the match."

I had several malfunctions. An experienced .22 bullseye shooter recommended putting a tad of oil on .22 bullet heads to aid feeding in semi-autos. I decided to give the oil theory a try. It was the only thing I changed in my practice session before the jams occurred.

I quickly stripped the rifle and cleaned it thoroughly, including the rotary magazines. I went back to having quality practice sessions without the oil.

The overall field of competitive shooting is so diversified that it is impossible for any one person to master all aspects. From muzzleloaders to air pistols, each requires a lifetime of personal dedication to research, develop, and test in the heat

of competition.

Constantly updated equipment makes our search for the cutting edge a dynamic chase that changes daily.

Always running on the edge, top competitors realize that there are no books to guide them. Conferring with other shooters and long hours of field testing go beyond that which books can legally print. Top competitors find a total package, from leather to ear-plugs, that will put them at optimum advantage.

Winners press it past the edge of the envelope to find out how far is too far, back off one-half click, and go for it! So don't be afraid to experiment!

This is my advice to all shooters. Decide at least one year in advance what matches you will attend. Begin the process of working out loading specs and gunsmithing of the specific equipment needed for the match. Then you'll be able to focus strictly on skill development in practice when the time comes, while others frantically search for functional equipment.



Debby James, four-time IPSC Ladies U.S. National Champion and two-time IPSC Ladies World Champion, is a member of Team Colt. Debby, a health teacher, is married to Russ James, a police sergeant with the Bristol, Conn., PD and U.S. Team Manager at the recent IPSC World Shoot in Australia.



You could shoot the whole day like this.

When you're out shooting, you only care about one thing. A tight group. Every time.

You demand accuracy. And if you're a reloader, demand IMR™ smokeless powder. Our extensive quality control procedures ensure uniform performance from lot to lot. Which means you can count on IMR for consistency and clean-burning efficiency every time you squeeze the trigger.

No other company offers more choices of

powder. And no other powder supplier offers a free Handloader's Guide as comprehensive as ours. Accuracy. Consistency. Efficiency. If you're not reloading with IMR, you're probably missing something.

For a free copy of our Handloader's Guide, ask your dealer or write: IMR, RD #5, Box 247E-AH, Plattsburgh, NY 12901.

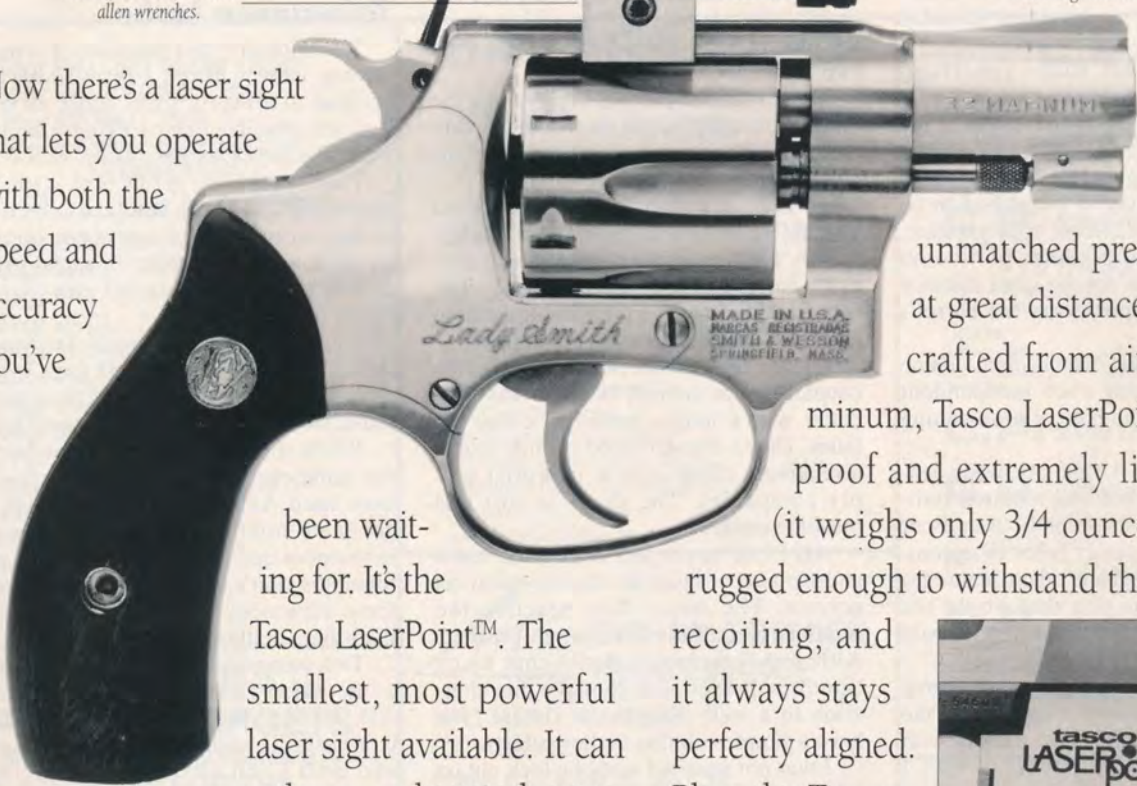


If you use IMR and shoot a whole day like this, and you'd like to let us know, please send your results to the address above. Keg shown contains 12 lbs. of powder.

PERFORM LASER SURGERY FROM ONE HUNDRED YARDS.

Lightweight, waterproof aircraft aluminum. Only 3/4 oz.
 5/8" universal mounting ring.
 Adjustable windage and elevation system for repeatable linear tracking action.
 Multi-mode beam (continuous and pulsating).
 Compact. 5/8" in diameter. 2" long.
 Custom low-pressure click switch.
 Kit includes batteries and allen wrenches.
 Versatile. Fits rifles, pistols, most shotguns and bows.

Now there's a laser sight that lets you operate with both the speed and accuracy you've



locate your target instantly, with

unmatched precision, even at great distances. Precision-crafted from aircraft alu-

minium, Tasco LaserPoint is waterproof and extremely light-weight (it weighs only 3/4 ounce), yet it's

been waiting for. It's the Tasco LaserPoint™. The smallest, most powerful laser sight available. It can make you a better shooter, faster than you ever imagined.

rugged enough to withstand the G-force of recoiling, and it always stays perfectly aligned. Plus, the Tasco LaserPoint will



LaserPoint adapts to fit any firearm. This is just one of 22 available custom mounting options.

adapt to fit any firearm, with twenty-two custom optional under barrel mounts.

With its multi-element optical glass lenses, the Tasco LaserPoint delivers a bright, focused 1.5" spot at a distance of 100 yards (3/4" at 30 yards). It's the first laser sight in the industry to feature a multi-mode beam (one second continuous/one second pulsating), which produces a dot so highly visible that you can



At 30 yds. Tasco LaserPoint delivers a bright and focused dot. (Actual size shown.)

So find out how precise a laser sight can be. Pick up the Tasco LaserPoint. For more information call (305) 591-3670, Ext.373. Or write Tasco, Department AH, P.O. Box 523735, Miami, Florida 33152-0080.



© 1991 Tasco Sales, Inc.

BUY A LATHE AND THEN YOU CAN BRAG "NOW I IS A PISTOLSMITH!"

When you put the word "custom" in front of the title "pistolsmith," you advertise to the world that you'll take on the work that most 'smiths turn down.

My customer wanted what, at first glance, seemed to be a straightforward job of barrel replacement in his S&W revolver. A closer examination revealed some problems.

In order to meet shape specifications—the desired effect was to be attained by cutting away the length of lug that protects the extractor rod, leaving only the front portion, as in early revolvers—the tapered barrel had to be machined from a different configuration, leaving an integral platform portion on the bottom that was not the same distance from the bore centerline as the barrel's top surface.

This combination would create some problems in packing each independent chuck jaw to true the bore prior to cutting the shoulder.

An alternative—holding between centers—was better, but still required turning out accurate plugs for both ends of the bore with 60° center holes to accommodate the lathe centers, then making a small padded lathe dog that would not injure the barrel or front sight, yet would be solid enough to drive the barrel.

Since it usually takes me at least three cuts to do the shoulder trim so that the front blade is perpendicular, starting with a barrel that needs 7/8 of a turn to true, I

was going to have to go through the set and re-set procedure enough times to make it tedious.

Faced with this prospect, I decided to order Brownell's new barrel set back fixture and do the job by hand, rather than in the lathe. Then the fun really began.

First, I found that the fixture takes the new style of barrel facing pilot. Mine are the old threaded style. That didn't prove too much of a problem, since I only need two for the work I do.

What stumped me was the fact that the barrel bottomed out in the fixture before the cutter blade reached the barrel shoulder.

I hasten to add that this was a special job and as provided, the fixture is satisfactory for cutting the shoulder on nearly every barrel I have ever worked over. The fact remained that I was going to have to alter the fixture to do the work at hand.

Of my two choices—deepening the counterbore in the tool body or making a cutter with a longer reach—I chose the latter. The 3/8 shank brazed carbide tool is a relatively cheap item at industrial supply companies. The shank is soft and machine easily.

All I had to do was drill three holes and tap two of them for the elevation set screws. The cutter then reached the shoulder and allowed the job to proceed. Although I seriously doubt that many 'smiths will ever need to make this alteration to a well-thought-out fixture, you have a simple solution to the problem.

I was not satisfied with the lock nut on

the center elevating screw in the fixture body, so I substituted a 1/4"-28 wing nut. That made adjustment easy and accurate, but I still wasn't satisfied with the advance action.

After some thought, I drilled a slightly larger hole in the base of the elevating member, squeezed in a single ball bearing of appropriate size, honed down the slightly expanded skirt to accurately fit the bore in the fixture body and re-assembled the device.

The result was a smooth action, easily adjustable to accurate dimensional changes and an extremely useful time saver in cutting down barrel shoulders to fit a new barrel or to compensate for improper cylinder gap. The Brownell barrel set back fixture is a worthwhile acquisition for any revolversmith.

Taiwanese Lathe

It's axiomatic that purchase of a metal turning lathe will put a pistolsmith in a position to accept a wider scope of work than was possible only working with hand tools. But lathes are a big ticket item.

Pistolsmiths can get by with a smaller machine than 'smiths who work on rifles, so any serious worker can obtain an adequate lathe without undue financial strain. Selling a couple of personal guns may be the simple solution.

I looked at several small Taiwanese lathes at local importers and from everything I could determine, any of these would prove useful to a beginning pistolsmith.

While the Taiwanese lathes aren't in the same class with European lathes, or even used American lathes, they are an adequate minimum and will repay the investment quickly. And, since most pistolsmiths don't have very deep pockets, these Taiwanese offerings are going to be big sellers in the next few years.

Two companies that import small lathes are: Shop Task, P. O. Box 7531, Dept. AH, Tacoma, WA 98407 (The Shop Task is a versatile combination of lathe, mill and drill.) and Grizzly Imports, Inc., Dept. AH, P. O. Box 2069 Bellingham, WA 98227 (Grizzly imports an 8" swing lathe with a quick change box, suitable for cutting a variety of screw threads.)

Brownells handles the versatile and accurate Emco Compact 5 lathe that converts to milling and drilling through the use of accessories. They also handle the Unimat 3 that converts similarly. You can reach Brownells at Rt. 2, Box 1, Dept. AH, Montezuma, IA 50171

While acquisition of a lathe won't automatically put you into the big time, it would be a step in the right direction.



John Lawson is a master pistolsmith in business since 1946 at The Sight Shop, 1802 E. Columbia Ave., Dept. AH, Tacoma, WA 98404. Write to inquire about your pistolsmithing needs or call Pacific Time Zone at (206) 474-5465.

COR-BON® PREMIUM BULLETS AND AMMUNITION

**NEW LOADED AMMO FROM:
357 Mag Thru 454 Casull
Bonded Core Bullets From:
180 gr. thru 300 gr.
Penetrator Bullets From:
200 gr. Thru 360 gr.**

**JD Jones Designed Hard
Cast Bullets and Molds**

COR-BON® P.O. Box 10126 Detroit, MI 48210 1-800-6-COR-BON

HERB BOBCHIN
Chairman of the SCI
Handgun Hunters
Advisory Committee



C.P. BULLETS T.M.

COMPETITION PROVEN



1814 MEARNS ROAD • WARMINSTER • PA • 18974 • 1-215-956-9595
 MON-FRI 10:00am-5:00pm (EASTERN TIME) 1-800-878-BULLET ORDERS ONLY

C.P. ELITES™ JACKETED MATCH BULLETS™

135gr. and 150gr.

**NOW
 AVAILABLE**

MAJOR 9 x 21 BRASS HEADSTAMPED C.P. + P. + 9 x 21

For All High Capacity 9mm And 1911 Style Pistols
 Also Available Chamber Finish Reamers
 Made To Our Specifications

- 135gr FMJ • RN 'ELITES' (.356)
- 150gr FMJ • 'ELITES' (.356)
- 125gr CP FMJ (.356)
- 115gr CP STEEL SPECIAL (.356)
 (Jacketed Base)

C.P. Super Hardcast

- 130gr RNL (.356)
- 140gr SWCL (.356)
- 145gr RNL (.356)
- 155gr SWCL (.356)
- 160gr RNL (.356)
- 160gr RNL (10 MM)
- 175gr SWCL (10 MM)
- 200gr SWCL (10 MM)
- 170gr SWCL (.41 AE)
- 152gr SWCL 'ULTRA' (.45 ACP)
- 178gr SWCL (.452)
- 200gr SWCL (.452)
- 200gr RNFP (.357)
 (For I.P.S.C./Bowling Pins)

SAFARILAND



HOLSTERS
 BELTS • POUCHES
 SPEEDLOADER

BLACK BASKET • PLAIN BROWN

- 008 Final Option
- 023 Competition Belt
- 076 Double Mag Pouch
- 077 Mag Pouch (Adjustable 180°)
- 700-2 Double Adjustable Clip
- 700-3 Triple Adjustable Clip
- 002 Cup Challenge
- 021 Combat Competition
- 333 Triple Speed Loader Pouch
- Safariland Comp III (S & W/K or L)
- Safariland Shooters Box
- Safariland Loading Blocks (S & W)

C.P. PRODUCTS

NEW
 C.P. + P + 9 x 21
 Supported Barrels
 1911-Tanfoglio - P9
 Reloading Die Sets
 Loaded 9 x 21 Ammunition

C.P. SUPER TUFF MAG PADS

- For: •1911
- S & W Autos 45/10mm, 40/9mm
 - Tanfoglio
 - Paraordnance

Colors:
 Rocket Red Saturn Yellow Horizon Blue
 Signal Green Blaze Orange Magma Red
 Onyx Black Aurora Pink Purple Haze

C.P. SUPER TUFF RECOIL BUFFS (will not swell or stop slide)

C.P. COMPETITION

- FORGED**
- Hammers
 - Sears
 - Ultra Grip Safety
 (For The Hightest Grip)

C.P. MATCH AMMO GAUGE

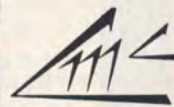
- 9mm
 - 10mm (Long)
 - 38 Super
 - 45 ACP
 - 40 S & W
 - C.P. 9 x 21
- Checks...Case Length, Diameter & Overall Length

U.S.P.S.A. / I.P.S.C. APPROVED TARGETS

Matching Tape & Pastes
 SUPPLIER FOR THE
 1990 US NATIONALS

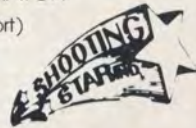


Target Pins™



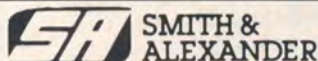
CHIP McCORMICK
 PERFORMANCE

- 1911 (EDM) HAMMERS
- CAD CAM SEARS
- TITANIUM/CARBON MATCH
- TRIGGER (Long & Short)
- TITANIUM FIRING PIN
 (Reduces Primer Flow)
- TITANIUM STRUT



NEW HEINIE SPECIALITY PRODUCTS

- Heinie Premium Compensators (Drop In)
 .45 ACP .38 Super
 .40 S/W 10 MM (Long)
- Tungston Carbide Guide Rod
- Extended Mag Button



SMITH &
 ALEXANDER

Mag-guide
 (Stainless & Blue/Arched & Flat)
 Ambi-Mag Release

- 1911 Magazines
- 10rd - 38 Super SS w/C.P. Mag Pad
- 9rd - 10mm SS w/ C.P. Mag Pad
- 8rd - 45 SS w/C.P. Mag Pad
- Spring Conversion Kits
- 10rd - 38 Super
- 9rd - 10mm
- 8rd - 45 ACP

Accurate Arms - Powder

- #2 in 1 & 6 lb containers
- # 5 & # 7 in 1 & 8 lb containers



The choice of
 Champions.

BARRELS & COMP KITS

- 45 Acp 5" Stainless Match Bbl
- 38 Spr 6" Stainless Bbl w/Ramp
- 45 Acp 6" Stainless Match Bbl
- Match Barrel Bushings (Blue/SS)

GUIDE RODS

- 1 Piece (Gov't or Commander)
- High Visibility Combat
- 2 Piece Gov't (5" or 6")
- Deluxe High Visibility Combat

SIGHTS

- Ex Thumb Safety (Blue/Stainless)
- Standard Slide Release (Blue/SS)
- Ambi Safety (Blue/Stainless)
- Beavertail Grip Safety (Blue/SS)
- Ex Slide Release (Blue/Stainless)

SAFETIES & SLIDE RELEASES

OTHER ITEMS

- Extended Ejectors
 (45 Acp or 38 Spr)
- Slide Thumb Guard (stainless)
- Extended Magazine Release
- Mag Well (Blue/Stainless)
- Extractor 38 Spr 70 or 80 Series
- Extractor 45 Acp 70 or 80 Series

Call for special prices for USPSA members

* ASK ABOUT OUR OTHER AVAILABLE ACCESSORIES - * COD • VISA • M/C • WE SHIP ANYWHERE.

DEALER INQUIRIES INVITED - QUANTITY DISCOUNTS AVAILABLE

OVER-PENETRATING BULLETS POSE SERIOUS THREAT TO INNOCENT LIVES

Last night, when I arrived in the Northwest for a teaching stint, my associate instructor Bob Smith of Post Falls, Idaho, told me of his friend who'd had a startling revelation.

"Bob," the friend had said, "I've seen this videotape about stopping power. We've been doing it all wrong! Penetration is *everything!* We need bullets that go all the way through!"

My mind flashed back to the night before, in Tampa, when I'd been talking shop with Joe Ciarciglino, the famous defense lawyer for cops. Joe had told of a case when he was with the prosecutor's office in which a man had decided to settle a barroom dispute by going out to his car for his .357 Magnum.

He had returned to the saloon and fired two shots, shooting three people. The two Magnum slugs had instantly killed the object of his angry intentions. The first slug had then passed through

and struck another unoffending bar patron in the head, killing him instantly. The second bullet had also exited, striking and severely wounding yet another customer.

The man with the .357 remains incarcerated and will doubtless die in prison, convicted of two counts of murder in the first degree and one of aggravated assault.

Penetration Casualties

Bob's friend had said, "Stop and think! No one has ever been hit by a bullet that has gone through someone else!"

I had just rolled my eyes. I knew where he'd gotten that information, and it made me ashamed to be a gunwriter. The fact is, history is rife with people hurt by bullets that have gone through other people.

This is one reason why, in the early 1960s, the Phoenix Police Department became the first major agency to adopt the "controlled expansion bullet," as hol-

lowpoints are euphemistically known in law enforcement, and why the vast majority of our nation's police quickly followed suit.

As we scan back into the history of the Old West, we note that the bullet fired from ambush that mortally wounded Morgan Earp in a poolhall, revenge for the young Earp's part in the gunfight at the OK Corral, exited his body and severely wounded a bystander.

That wasn't the first time and it was not to be the last.

Modern Examples

Look just at the last couple of years. In late 1989, a Philadelphia police officer was killed by police .38 slugs that had gone through a felony suspect who was between him and the officers who fired.

In 1990, a shooting on a University of Arizona campus saw a 9mm bullet fired by Officer A pass through the arm of the aggressor he was shooting at and go on to kill Officer B.

Later that year, in Southern California, deputies of the Los Angeles County Sheriff's Department became embroiled in a shootout with an armed robber. The suspect ran into the doorway of a mom n' pop convenience store that was just closing. The lights had been turned off a moment before.

The officers could not see the innocent person behind the felon as they fired. The

The target pistol of the future



In calibers .22 long rifle
and .32 S&W long Wadcutter

HAMMERLI 280

The high-tech pistol providing all the attributes to ensure a rapid improvement in personal performance.

Stable recoil and recovery characteristics, revolutionary in design, materials and ergonomics. No target pistol has ever provided such natural hold, straight out of the box.

Precision as specified by Hämmerli, plus a comprehensive conversion and accessory system, will excite marksmen at all levels of achievement.

The move to becoming a Hämmerli shooter - now easier than ever before.

Leaflets and competent advice from qualified dealers.

Mandall Shooting Supplies Inc.
P.O.B. 2327
3616 North Scottsdale Road
Scottsdale, AZ 85252

Phone (602) 945-2553
Fax (602) 949-0734

Hämmerli Pistols U.S.A.
Wade + Hannelore Anderson
19296 Oak Grove Circle
Groveland, CA 95321

Phone/Fax (209) 962-5311

147 grain subsonic hollowpoint, chosen by the department after FBI's study found their deep penetration desirable, tore through the gunman's body and into the woman hidden in the darkness behind him.

The woman died. The suspect lived.

Miami Massacre

The current trend to deep penetrating bullets can be traced to a single incident. On April 11 of 1986, the most infamous gunfight of modern times unfolded in Dade County, Florida on the outskirts of Miami. The story has been told in these pages.

Of the many lessons learned and the many factors that played a role in the shootout that killed two FBI agents, crippled three for life, and wounded two more, it was noted that most of the agents were shot by suspect Michael Platt after he had been wounded in the chest with a 9mm Winchester Silvertip 115 grain hollowpoint by Agent Jerry Dove, who was himself slain moments later by Platt.

The bullet had gone through the killer's right arm before piercing the thorax, severing the pulmonary artery, and stopping just short of the gunman's heart.

Many theorized that if the bullet had just penetrated a few inches deeper, it would have bled the gunman dry before he could have finished his deadly orgy. That may have been true, but it begged the issue.

Dozens of shots were fired without effect at Platt and his partner, William

Matix, without striking them. The tactics used were atrocious. The FBI did in fact make some changes in its marksmanship training, adopted the HK MP5SF semi-automatic carbine as a direct result, and also significantly changed and improved the manner in which felony arrest tactics were taught to the agents.

The recognition, *within the Bureau*, of the tactical factors that had led to the debacle, prompted important and meaningful changes.

ly by the even more widely publicized adoption of the Smith & Wesson Model 1076 pistol and a new, downloaded version of the 10mm Auto cartridge, the 10mm Lite.

FBI Illusion

The illusion had been created that the Bureau felt the Miami failure was purely a matter of firepower and stopping power. When FBI's subsequent and systematic study of ammunition led to a heavy

When FBI's systematic study of ammunition led to adoption of the 147 grain subsonic hollowpoint, the Penetration Proponents were off and running.

Outside the Bureau, however, little was known of the tragedy save for the re-enactment film *Firefight* produced by FBI and distributed widely among our police establishment.

The tactical failures clearly recognized at the FBI Academy in Quantico were not addressed in that film. In addition, most of the improvements that came about as a result of the Miami shootout were not publicized.

One that was, was the approval of 9mm and .45 semi-automatics for use by field agents, followed almost immediate-

emphasis on deep tactical penetration, and adoption of the 147 grain subsonic hollowpoint for those who used the 9mm within the agency, the Penetration Proponents were off and running.

Not everyone had seen all dimensions of the problem.

The single most quoted authority when you discuss this matter is Col. Martin Fackler, MD, the US Army's leading authority on small arms wounds. Unfortunately, many in the world of the gun do not have Dr. Fackler's medical knowledge, and fail to understand that his life's



"STRESSFIRE"

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

"STRESSFIRE" is the result of Ayoub'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"

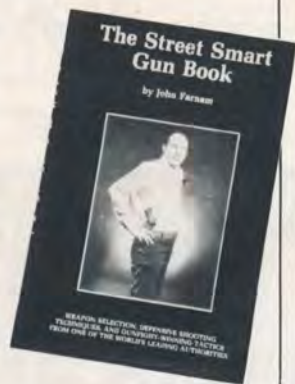
At last, master gunfighting tactician John Farnam gives his formula for shooting survival. One of the top national instructors, John covers gun and holster selections and gives intensive advice on use of cover, movement, mental awareness and preparation, and the TACTICS for winning a gun duel.

\$11.95

Plus \$2.95 postage and handling

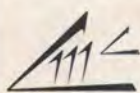
MC/VISA ACCEPTED. ORDER TOLL FREE: 800-624-9049

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



STRESSFIRE \$9.95
 THE STREET SMART GUN BOOK \$11.95
 Shipping and handling \$2.95
 TOTAL ENCLOSED

Name _____
 Street _____
 City _____
 State _____ Zip _____



CHIP McCORMICK'S PERFORMANCE PRODUCTS

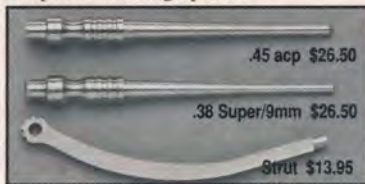


USA's No. 1 Hi-Performance Hi-Tech M-1911 Products



NEW "TITANIUM" (EDM) HAMMERS

45% Reduction in lock time gives M-1911 owners unmatched accuracy with these new light weight hammers. **Bullseye Shooters**, Titanium Hammers offer the latest quantum leap in accuracy. **IPSC Shooters**, there is no turning back once you have experienced the benefits of 45% less lock time for speed shooting sports.



NEW "TITANIUM" FIRING PINS & STRUTS

Weights 45% less than factory standard parts to further reduce lock time. The .38 Super/9mm Firing Pins have improved geometry to reduce "Primer Bleed & Firing Pin Skate" in IPSC Major Loads.

NEW TITANIUM/CARBON FIBER MATCH TRIGGER



Weights 60% less than old aluminum/steel triggers. **Low inertia** improves dependability and safety for a precision trigger. Benefits fast triggering, "double tap" situations. Trigger resets faster-helps eliminate "trigger freeze." Gunsmithing pads on titanium bow and carbon fiber shoe allow for precise fit on your pistol.

NEW "FORGED" HAMMERS & SEARS NEW

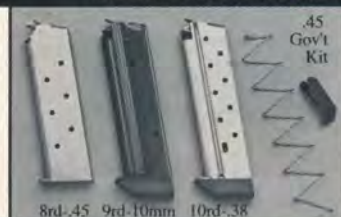
CAD/CAM "FORGED" Hammers and Sears feature high Strength, Low Cost, Superior design, Aero Space materials, and in-house manufacturing. Hammers are made from 6150 Chromium-Vanadium steel (aircraft landing gear). The Sears are made from 4340 Alloy (race car crankshaft). No other products give the M-1911 owners this much value for their money.



- * Full-cock correctly located and factory POLISHED
- * Half-cocked shaped to protect sear
- Cocking pad clears low mount bomar
- Sides narrowed to clear slide
- Strut hole correctly located
- * Proven competition angles-POLISHED
- Relief area for half-cock
- Pad to adjust "Take-up"

CAD- Computer Aided Design
CAM- Computer Aided Manufacturing
EDM- Electrical Discharge Machining
FORGED- Bilateral Compressive Shaping
.001 Profile Tolerance-All Hammers & Sears
NEVER ANY CASTING FLAWS
Improved Grain Structure (Strength)
Improved Grain Density (Polishing)
Improved Geometry (Competition Tested)
Perfect Parallelism between pivot hole & all other features
Titanium-Lightweight, High-Strength, Hi-Tech
In-house Manufacturing (Unmatched quality)

SHOOTING STAR EXTRA CAPACITY MAGS & KITS USED BY AMERICA'S TOP M-1911 PISTOL MANUFACTURERS

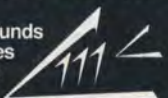


	8rd-.45acp	9rd-10mm	10rd-.38super
Stainless	\$22.95	\$27.95	\$27.95
w/pad	24.95	29.95	29.95
Blued	19.95	24.95	24.95
w/pad	21.95	26.95	26.95
Conversion Kits (Adds 1 extra round to standard fixed base mags)			
8rd-.45 (Gov't)	\$10.95	10rd-.38 Super (Gov't)	\$12.95
7rd-.45 (Officer's)	10.95	8rd-.45acp (SIG 220)	12.95
9rd-10mm (Gov't)	12.95	1911 Base pad w/screws	2.50

ORDERS ONLY 1-800-328-CHIP FREE SHIPPING QUESTIONS OR TECHNICAL ASSISTANCE 512-280-3320



All Parts Guaranteed • No Refunds
FREE Shipping in the 48 States
Texas Residents Add 8% Tax
DEALERS SEND FFL



Chip McCormick Corp.
7506 Bender Drive
Austin, TX 78749

work has been determining how gunshot wounds do damage, with a view toward repairing them.

He has made great strides in this area, and it will be what he's remembered for in the medical schools. However, analyzing gunshot wound dynamics with a perspective toward stopping power had never been his field until others began to extrapolate his work.

When I visited Dr. Fackler at his lab in the Letterman Institute at the Presidio, I realized that he had a better handle on this penetration thing than most of those who attempt to interpret his work.

Fackler's Diagrams

On the wall of his office were two depictions of human bodies, overlaid with the approximately two foot long wound track of a .45 ACP 230 grain hardball round through muscle tissue.

In one, it was a figure of a bad guy pointing a pistol at a cop. The bullet has entered the arm, tracked lengthwise along the bones, and passed through the armpit and into the chest, there traversing the heart and lungs before coming to rest in the spleen.

But the next image put it in perspective. Three average men were standing in line. The same wound track went through and through the chest of the first, exited his back and did the same to the man standing behind him, and, exiting the sec-

But the next image put it in perspective. Three fatal wounds on three men from one over-penetrating pistol bullet.

ond man, pierced the thorax of the third, lodging in his heart. Three fatal wounds on three men from one over-penetrating pistol bullet.

As we look at those shootings mentioned above, we who are involved in ammo selection for police patrol have to balance these two graphic real world views of deep penetration.

On your next patrol tour, as you and a brother officer interact with a suspect, observe how many times that individual gets between the two of you.

If you had to fire, with the offender's body the only backstop between you and your gun muzzle and your partner's body, would you really want a deeply penetrating bullet to emerge from the muzzle of your gun?

If your partner had to fire with you standing on the opposite side of this subject, what would you want *his gun* to be loaded with?





Eye of the eagle, kick of the mule.

Take this crash course in Leupold ruggedness: mount an EER (Extended Eye Relief) on an earth-shaking handgun like the Ruger Redhawk .44 Magnum, then pull the trigger. What happens?



Leupold EER scopes, from top to bottom: 2X, 2X Silver, 4X and 4X Silver.

From the scope's perspective, nothing. Because Leupold EERs are built to withstand the kind of handgun recoil that makes your body ache and the competition beg for mercy. Round after round.

This is no idle boast. If it was, we couldn't back these scopes with the best consumer protection in the business: The Leupold Full Lifetime Guarantee. But we do back them up. And we impact-test the tar out of them.

Leupold's on-going impact test program mandates

that random EERs are pulled from inventory and sent to "the machine." Looking something like a guillotine, our impact tester subjects scopes to as many as 15,000 impacts over several hours. It attempts to destroy seals, dislodge reticles, and make chaos of mechanical systems. Such manhandling would kick the life out of most handgun scopes. But not Leupold EER scopes.

And yet, when you sight through an EER, you get an eagle-eye picture that's bright, clear and crisp. So getting on target is easy and fast.

All four Oregon-made EER scopes (2X, 2X Silver, 4X and 4X Silver) feature the famous Leupold Duplex® reticle. And, they're guaranteed to be waterproof.

See the EERs. That is, if you've an eye for ruggedness.

LEUPOLD®

Made in USA



See your Leupold Dealer for details. Plus, get the most useful "how to" handbook ever written (A Practical Guide To Scopes) and the new Leupold catalog. Both are packed with insights and information, and both are free when you write to: Leupold & Stevens, Inc., Dept. AG7-H, PO Box 688, Beaverton, OR 97075. Leupold, the gold ring design, Duplex are registered trademarks of Leupold & Stevens, Inc. ©1991 Leupold & Stevens, Inc.

FREEDOM ARMS REVOLVERS FINALLY ARE LEGAL UNDER I.H.M.S.A. RULES

The IHMSA production price ceiling rule is now history and Freedom Arms revolvers, which have always been legal for silhouetting under NRA rules, are now once again legal under IHMSA rules.

I say "once again" as the Freedom Arms was a certified production revolver prior to the Price Ceiling Rule after the 1986 Internationals. At least two competitors used Freedom Arms revolvers at



Freedom Arms new .22 is sure to set new IHMSA records.

the 1986 Internationals and they were certified as production guns legal for competition at that time.

During the 1986 Internationals, I discussed the coming proposal for a price limit on production guns with then IHMSA president Elgin Gates. The figure mentioned to me at the time was a ceiling price of \$1,000. No revolver or single shot was being offered at the time that even came close to this figure. The Colt Python was selling in the \$600 range and the retail price for the Freedom Arms revolvers with adjustable sights was \$795.

In late 1985 I contacted Wayne Baker, president of Freedom Arms, to obtain a .454 Casull for silhouetting. Up to this point I had never seen a Freedom Arms product as they had only been producing revolvers for about two years.

Baker informed me that they did have Bo-Mar sights available for the Freedom Arms guns and I ordered a 10-inch .454 Premier Grade revolver with Bo-Mar silhouette sights consisting of an excellent rear sight with fine adjustments and a matching front sight that was a radically undercut post to eliminate all glare and was also very thin and mated properly with the rear notch to allow a very fine sighting picture on turkeys and rams. I also asked for an action job and trigger

pull of less than three pounds.

That .454 was written up for IHMSA in an article entitled *Ultimate Silhouette Revolver?* I quote the following from that article in 1986.

"As so often happens, the silhouette match arrived before I was ready, so I found myself stopping at the gravel pit and setting up a target at 40 yards, so I would have some idea of where the new revolver was shooting. Sighting in on a chicken target so I would hit dead center with a foot hold, I found my setting for both 260 grain jacketed and 300 grain cast bullets. I was ready, at least for chickens. At the match I was the first person to shoot which meant everyone would be watching to see how the new revolver, and I, would perform.

"At the first shot, the chicken disappeared immediately as it flew, and I do mean flew, backwards. Our Match Director who also likes big bore revolvers, was hoopin' and hollerin' and having a great time.

"I cleaned the chickens, came up two clicks, and readied for the pigs. That first pig disappeared almost as fast as the chickens and by now a small group had gathered to see what was putting the targets down so fast.

"After cleaning the pigs, I missed the first turkey, overshooting, took the next four, and then got only one of the second bank. When the rams came up, I got eight of them, undershooting the first one and overshooting one in the second bank.

"I finished with a 33 which is the highest first-time score I've ever shot with an unknown revolver. As I look back at it, I believe one target, the one I undershot was a real miss, the other six, which I overshot, I believe happened because I relaxed my grip more than I should have.

"The revolver I was shooting was the newest silhouette pistol on the scene, the .454 Casull by Freedom Arms. The load I was using was the 260 grain Speer .45 JHP at 1,650 fps, using 32 grains of WW296 and CCI Large Rifle primers. I had chronographed 140 loads, and picked the load that seemed to fit my velocity wishes and also showed good uniform velocity. As it happened, I picked a winner."

Seville Was First

While I do not believe that I was the first to use the .454 cartridge in silhouetting, as the now defunct Seville revolver was already out and being used for silhouetting in .454 Casull chambering, I was possibly the first to use the Freedom Arms .454 revolver.

The Seville was a six-shot revolver as compared to the Freedom Arms being a five-shot—and much better built—revolver. Tolerances in the Freedom Arms revolver were (still are) kept to a minimum and silhouetters began to look at the Freedom Arms revolver as quite possibly *the* silhouette production revolver.

Perfect Package

Later in 1986, I met with Freedom Arms management and we designed the perfect silhouette package. A cased revolver with an action and trigger job, 10-inch barrel, and Bo-Mar silhouette sights. The main chambering would not be the heavy recoiling .454 Casull, but the milder .44 Magnum, which at the time also had the greatest number of silhouette bullets available for the reloader.

Freedom Arms was so enthused about silhouetting by now that they planned to specially mark the silhouette guns with the IHMSA logo and use a serial number series beginning with EG to recognize Elgin Gates' contributions to the sport of silhouetting.

I took the proposal to Gates and that was the end of that.

In a few months we had a price ceiling rule lower than \$795 so that Freedom Arms revolvers were no longer legal for production competition in IHMSA silhouetting.

Freedom Arms Returns

Now all that has changed. The price ceiling rule is gone and once more Freedom Arms revolvers are legal for production class competition under IHMSA rules.

It is interesting to contemplate what the last four years of revolver shooting would have been like if the Freedom Arms guns had been allowed for competition. Would the Dan Wesson .357 Super-Mag still be the number one long-range revolver... or would it be number two?

Freedom Arms wasted no time when it became obvious that enough shooters were unhappy with the price ceiling limit that it would be lifted if put to a vote. This happened in the mid-1990 and even before the final results were in, Freedom Arms decided to build a new silhouette revolver as a companion piece to those available in .454 and .44 Magnum chamberings.

The obvious choice would be for a medium bore of .35 to .40 caliber that would give excellent velocity and flat tra-

Continued on page 112



*What is worth waiting for...
is worth waiting for!*

P220 .45 ACP

P225 9MM PARA

P226 9MM PARA

P228 9MM PARA

P230 .380 ACP

SIGARMS

SIGARMS INC., Corporate Park Exeter, New Hampshire 03833



By Mark Moritz

Imagine a gun finish that would protect your weapon from rust, and would never need to be oiled. Now stop imagining, because it's here.

Just a couple of years ago, Dr. Paul Ebdon was a chemist in England, working on a process to protect metal parts on oil drilling rigs in the North Sea. The process he developed is now being used in the automotive and aerospace industries, to provide corrosion resistance and low friction for precision parts.

Now he lives on the other side of the world, in Arizona. He is the director of Coating Technologies, Inc., and he works with Rob Barrkman (Robar Industries), applying his "wonder finish" to firearms.

This is how it works. Start with high phosphorous electroless nickel. This is the most corrosion-resistant finish currently being applied to firearms. Mix in microscopic particles of Teflon (polytetrafluoroethylene, or PTFE). The result is a finish that is hard (48-51 Rockwell), durable, and looks something like the inside of a Silverstone Teflon-coated frying pan.

The coefficient of friction is almost zip; we are talking *slippery*. This not only improves reliability, it also means

less wear and tear on the gun; your gun should not wear out as quickly.

The slide doesn't go "chunk-chunk," it hisses.

The miracle gun finish of the 21st century.

When you press the mag release button, the mag flies out.

Under a microscope, NP₃ looks like a Baby Ruth candy bar, according to Barrkman. Imagine little chunks of peanuts suspended in, and evenly distributed through, a caramel base. The caramel (electroless nickel) provides the hardness, durability, and rust resistance, while the peanuts (Teflon) provide the lubrication.

The color is dull silver-gray, not as bright as what Colt calls their "satin nickel" finish, and not as bright as stainless steel. It is a very subdued appearance.

A large police department was having rust problems, and was looking into a rust-resistant finish for its autopistols. They asked Barrkman about Parkerizing. He recommended NP₃. But, the department policy and procedures manual specified that no guns were to be nickel plated.

Apparently, that specification had been written when the only nickel plating

available was the old-fashioned shiny stuff, applied with electricity, and subject to peeling and flaking.

Barrkman met with the head of the

department, and said, "Let me plate your personal gun. Use it for awhile, and if you don't like it, I will remove the plating, and refinish the gun as it was. No charge."

Six weeks later, a truck pulled up to the door. It was loaded with a crate of SIG P220's, for plating with NP₃.

Not "Rust-Proof"

Adding this finish does not interfere with the dimensional tolerances of a gun. Typically, they apply a coating of .0003" or .0004" (that's *ten thousandths*) to firearms, consisting of a base of electroless nickel, topped by a layer of NP₃.

Engineering types are very fussy about accurate terminology, and both Barrkman and Ebdon will cringe if you say "rust-proof."

"Nothing is rust-proof," says Barrkman, "Given enough time and enough

Continued on page 77

We've Got It!

10% OFF NOW!

Use our new **24 HR. FAX SERVICE** for your convenience!



*"If they make it - we've got it ...
In Stock!"*

- DP-K .38 Super Dual Port Comp w/
Ramped Barrell\$324.00
- DP-K .45 ACP Dual Port Comp\$299.00
- Ambi-Safetys (Blue or S.S.)\$55.00
- WILSON 8 RD. .45 ACP MAGS\$28.95
- WILSON 10 RD.
.38 Super MAGS\$30.95
- One-Piece Guide Rods\$26.50
- Two-Piece Guide Rods\$35.00
- Ejectors\$22.95
- Extractors\$17.95
- Thumb Guards\$14.95
- Bo-Mar Rear Sights\$63.00
- Deluxe Hi-Visibility Combat
Sights\$35.00

Ed Brown Products

Professional Handgun Accessories

- Ambi-Safeties (Blue)\$49.95
- (Stainless Steel)\$54.95
- Hex Head Grip Screws (Blue)\$7.99
- (Stainless Steel)\$8.99
- Extended Thumb Safety (Blue)\$29.95
- (Stainless Steel)\$31.95
- Hi-Sweep Beavertail Grip Safeties
(Blue ... \$31.95) (Stainless ... \$33.95)
- Maxi-Wells (Blue)\$31.95
- (Stainless Steel)\$33.95
- Oversize Thumb-Latch for
S&W Revolvers
(Blue ... \$23.95) (Stainless ... \$24.95)

FOUR STAR COMPS only

- Blue ... \$150.00 Stainless ... \$160.00
- (.45 acp, 10mm/40 S&W, 9mm/38 spr.)

- COMP KITS (w/5 1/2" Ntl. match bbl.)**
- Blue ... \$328.50 Stainless ... \$338.50
- (available in .45 acp, or 10 mm only)



- Govt. Model Magazine Guides -
Flat or Arched -
Stainless or Blue\$69.95
- Officer's Model Magazine Guides -
Any Variations\$69.95
- Ambi-Mag Releases\$69.95

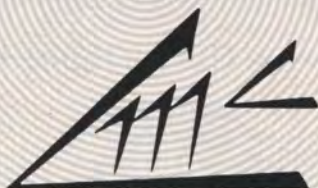


MAGAZINES

- 10RD. Stainless Steel 38 spr. ... \$27.95
- 9 RD. Stainless Steel 10mm ... \$27.95
- 8 RD. Stainless Steel 45 ACP ... \$22.95

CONVERSION KITS

- 10 RD. .38 Super Kits\$12.95
- 8 RD. .45 ACP Kits\$10.95



CHIP McCORMICK CO.

Hi-Performance Products

- Titanium Hammers (Super Light, 45%
Faster Locktime) THE BEST!
- McCormick Hammers\$79.95
- Nastoff Hammers\$79.95
- Titanium/Carbon Fiber Triggers -
Long or Short\$31.50
- Sears (S.T.D.)\$14.95
- (Semi-Prepped)\$20.95

SHOOT THE MOON

- Full Moon Clip Holders
(.45 ACP)\$8.95

All holsters & accessories
in stock and ready
for delivery!



- Holsters for any Handguns\$99.00
- Belts (All Sizes)\$52.00
- Single Magazine Pouches\$28.00
- Double Magazine Pouches\$38.00
- Triple Magazine Pouches\$48.00
- Hats (Black, Blue, or Gray)\$5.00
- Shirts (Long or Short Sleeve) ... \$15.00

*(All Leather Available In
Brown or Black Basket Weave.)
*(Custom Belts and Holsters vary,
call for prices.)

C. P. PRODUCTS

Bullets, Bumpers, Buffs, and more!

- .38 Super Elite Jacketed Match
Grade Bullets (135 or 150 Gr.) P.O.R.
- *(Other Calibers Available.)

- "Super Tuff Buffs" Recoil Buffers
Package of 5\$4.99

COMPETITION ELECTRONICS

- Pro Timer III\$249.95
- *(No discounts apply to price)

PROTECTIVE OPTICS

- Shooting Glasses - (amber, clear,
yellow, or gray)\$21.95

Accurate Arms Pistol Powder

- #2, #5, #7
Your choice\$15.75 lb.

★★★ BOOKS ★★★

We Carry All The
Most Popular Titles

Wolff Recoil Spring Sets

All Popular Weights In Stock

AAA TARGETS

- USPSA/IPSC APPROVED (No discounts
apply to this price)50¢ EA.

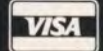
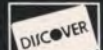
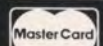
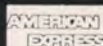
ONLY \$2.00 SHIPPING*, SAME DAY SERVICE, AND GIFT CERTIFICATES AVAILABLE!

*(Freight on bullets slightly higher. Alaska, Hawaii, and Canada customers call for shipping prices.)

Just Call-It-In
(615) 483-4024

Mon. Thurs. Fri. 10-9, Tues. Wed. Sat. 10-6

24 HR. FAX Line
(615) 482-6879



GUNCRAFT
SPORTS
Inc.

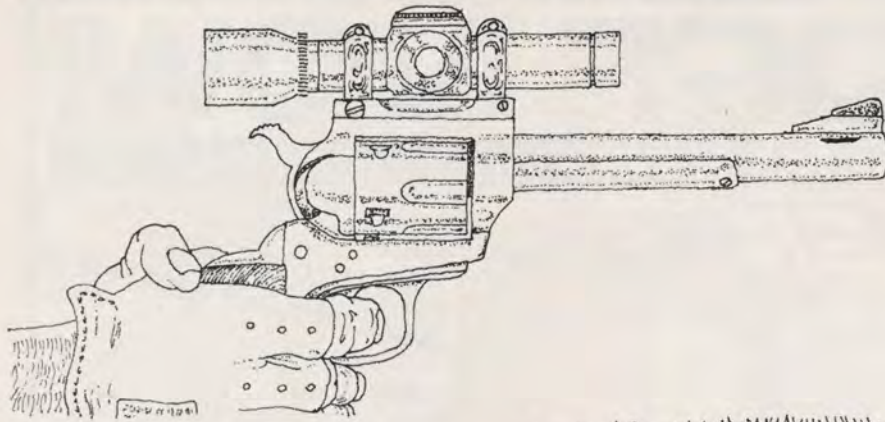


125 E. Tyrone Rd., Oak Ridge, TN 37830

HANDGUNNING HINTS

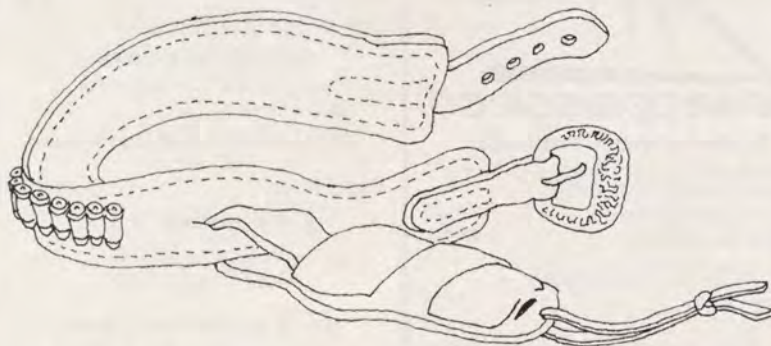
Bennett Viken & Robin Sutton

The Gunbelt Shooting Brace



1. We all know how important keeping those sights "rock steady" can be.

2. But sometimes a good rest and support for the handgun are simply not available.



3. Why not brace yourself with your gunbelt? An ordinary belt will work too.

4. It won't modify your Weaver stance too much and can enhance an already solid kneeling position.



1-800-248-3845
(for Orders Only)
95% Of All Orders Shipped
Next Day
(No FFL Needed)

Charles K. Bane



BULL-X[®]

INCORPORATED



INQUIRIES (309) 928-2574
P.O. BOX 182
FARMER CITY, IL 61842

January 15, 1991

Carter S. Jones

HARD CAST MATCH GRADE BULLETS • SATISFACTION GUARANTEED
ALL BULLETS ARE FREIGHT PAID TO THE ORIGINAL 48 STATES

500		1000		500		1000		500		1000	
	\$18.00	\$34.50		\$20.25	\$39.00		\$22.25	\$42.75		\$24.25	\$47.25
	\$18.00	\$34.50		\$20.25	\$39.00		\$25.00	\$48.50		\$26.50	\$52.00
	\$27.00	\$51.00		\$20.25	\$39.00		\$23.00	\$44.25			
	\$27.00	\$51.00		\$20.25	\$39.00		\$23.75	\$46.50	BULL-X HATS \$7.00 DELIVERED Assorted Colors Available.		
	\$18.50	\$36.50		\$21.00	\$40.25		\$26.00	\$50.75	BULL-X GOLF SHIRTS \$19.00 DELIVERED Assorted Colors & Sizes Available.		
	\$18.50	\$36.50		\$21.00	\$40.25		\$26.00	\$50.75	PRICES SUBJECT TO CHANGE WITHOUT NOTICE		
	\$19.00	\$35.50		\$21.00	\$40.25		\$28.00	\$54.50	SATISFACTION GUARANTEED!		

There are no hidden charges. We use nothing but the finest virgin alloy in the manufacture of our hard cast bullets. We have our lead professionally alloyed for us several tons at a time to insure you the most consistent bullets, box after box. Scrap lead is never used. We use a high content of tin and antimony to allow you to obtain maximum velocities with little or no leading.

All bullets are then sized to the exact diameter required and lubed with our distinctive blue lube. This bullet lube is clean, hard and pleasant to work with. It will not gum up your reloading dies, stick to your fingers or goo up the other bullets in the box. It stays in the lube groove like it's supposed to.

After being hand inspected, each box of 500 (usually 502) receives an attractive label making them excellent for resale.

EASY TO ORDER — CALL in your order anytime; we accept VISA or MasterCard. There is no extra charge for using your card. **QUANTITY DISCOUNTS** for 10 & 25M, OK to mix, huge freight discount & UPS Hundred Weight available, please call for details or with any questions you may have that we could help with. — **OR** — MAIL in your order along with certified funds. Please allow one week for personal checks to clear. Describe your order as clearly as possible and include your phone number.

BRASS FREIGHT PAID

PROCESSED ONCE FIRED
9 mm. Mil. Inspected, Deprimed, Crimp Removed Polished

Qty.	Price
500	\$26.50
1000	\$51.00

COMMERCIAL ONCE FIRED
38 Spec. Polished Inspected Win. & Fed.

Qty.	Price
500	\$16.00
1000	\$30.00

PROCESSED ONCE FIRED
45 A.C.P. Mil. Inspected, Deprimed, Crimp Removed Polished

Qty.	Price
500	\$30.00
1000	\$59.00

MILITARY ONCE FIRED
308 Mil. Polished & Inspected

Qty.	Price
500	\$25.00
1000	\$45.00

POLISHING MEDIA

	Untreated	Treated
5 lbs., del.	\$7.00	\$10.00
10 lbs., del.	\$12.00	\$17.00

HANDGUN RELOADING COMPONENTS

Bullet Weight & Style	100 Price	500 Price	1000 Price
30 Cal. 110gr FMJ	10.00	29.50	57.25
380 95gr FMJ	8.00	25.00	44.00
9mm 125gr JSP	8.75	27.00	51.00
9mm 147gr FMK	9.00	29.00	50.50
9mm 147gr JHP	11.00	37.50	67.50
38/357 158gr JHP	10.50	34.00	60.00
40/10mm 155gr JTC	13.00	45.50	80.50
40/10mm 180gr JHP	13.50	47.50	83.25
44 240gr HSP	14.25	51.50	91.00
44 240gr JHP	14.25	51.50	91.00

Brass New Commercial	100 Price	500 Price	1000 Price
32 S&W Long Unprimed (REM)	11.75	42.00	72.00
30 Cal. Carbine Unprimed (REM)	14.50	53.00	91.50
380 Cal. Unprimed (REM)	11.75	42.00	72.00
38 Super+P (Brass) Unprimed	11.25	45.00	77.50
38 Super+P (Nickel) Unprimed	13.50	48.75	83.75
38 Spec. Primed (REM)	13.50	49.75	85.50
357 Mag. Primed (WIN)	15.75	52.00	99.25
357 Mag. Unprimed (WIN)	12.75	44.75	77.00
9mm Unprimed (WIN)	11.75	40.50	71.00
10mm Unprimed (WIN)	16.75	62.25	107.25
10mm Primed (WIN)	18.25	68.00	118.00
40 S&W Primed (WIN)	18.50	68.50	119.00
40 S&W Unprimed (WIN)	16.75	62.25	107.25
41 Mag. Unprimed (REM)	16.25	60.50	105.25
44 Spec. Unprimed (WIN)	16.25	62.50	105.25
44 Mag. Unprimed (WIN)	15.75	51.75	101.50
44 Mag. Primed (WIN)	17.50	64.50	113.00
45 Auto Rim Unprimed (REM)	15.25	55.75	96.00
45 Long Colt Unprimed (REM)	16.50	63.00	105.00

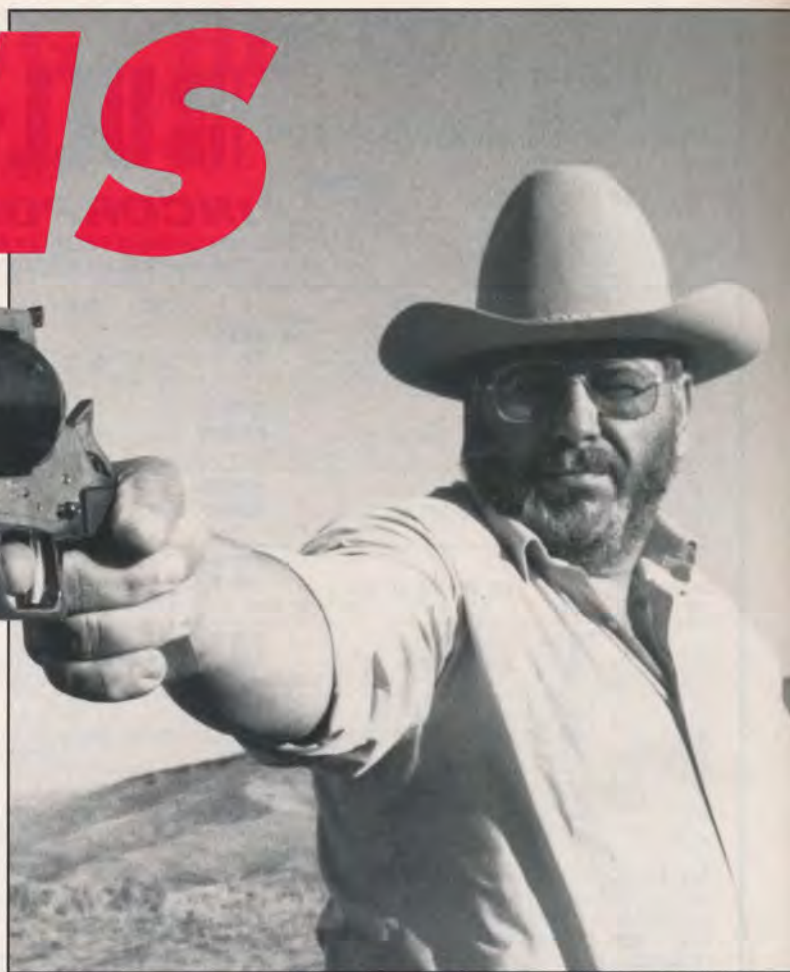
SUPPORT THE NRA I.L.A.

CA, OR, WA please add \$3.00 to each order. WE
PAY THE FREIGHT TO YOU — LIFE MEMBER NRA
- (NO FFL NEEDED)

NOW **THIS**

IS A **GUN!**

A six-pound revolver in .50-70 shoots a 525 grain slug at over 1,400 feet per second.



By John Taffin

The story is a familiar one: "The World's Most Powerful Revolver." Beginning in 1935 with the .357 Magnum, each succeeding generation of shooters has been treated to a new "most powerful."

The .357 was dethroned by the .44 Magnum in 1956, which fell to the .454 Casull in 1983. The 1980's also saw the introduction of two wildcat candidates for the most powerful revolver, the .475 and .500 Linebaughs.

Recoil, while not a problem with the .357 Magnum, is a real factor to be reckoned with using the .44 Magnum, .454 Casull, .475 Linebaugh, or .500 Linebaugh. All of these are available in three pound revolvers and recoil is as one would expect— heavy!

For the past couple of months I have been shooting the new champ in the world's most powerful race. Would you believe a 525 grain bullet at 1400+ fps from a revolver? The cartridge is not even new but more than 100 years old.

Let's back up, as we are getting ahead of the story.

The first revolver, the Paterson of 1836, was made in various calibers from .28 through .40. It was a relatively lightweight five-shot easy packin' revolver, but the quest for more power soon surfaced.

The answer was the Walker Colt of 1847, a four and one-half pound six-shot

revolver that fired a 140 grain .44 caliber ball backed by 50 grains of black powder, probably approaching 1500 fps. The Walker would also take a 220 grain conical bullet at 1000 fps.

The problem was one of portability and the Walker was followed by the Dragoon and the 1860 Army, which used forty grains of black powder but in a much more compact package.

By 1873, 40 grains of black powder was loaded under a 255 grain bullet in the first cartridge powerhouse, the .45 Colt chambered in the Colt Single Action Army. Velocity was around 900 fps with a 255 grain bullet.

The Walker was able to fire a 220 grain conical bullet at 1000 fps and the slimmer, lighter 1860 Army got the same 220 grain conical bullet up to 900 fps. Now the .45 Colt made 900 fps with a more efficient 255 grain bullet.

The .45 Colt remained champ in the progress of power for a long time. Some would say it has never been dethroned. In 1925, Elmer Keith blew the top strap and top half of the cylinder of an old black powder .45 Single Action using 300 grain .458" rifle bullets and all the black powder he could stuff into the case.

After the old Colt blew, Keith "discovered" the new champ, the .44 Special. Using his design for a semi-wad-cutter bullet, Keith attained 1200+ fps and used this load for 30 years, or until

the .44 Magnum came along.

Modern Magnums

The .357 Magnum of 1935 went to a smaller, lighter bullet of 158 grains at the then unheard of velocity of 1500 fps. Then the argument began as to which is really the most powerful, a 250/1200 or a 158/1500.

The .44 Magnum combined the best of both worlds by mixing .357 Magnum speed with .44 Special weight and diameter. Surely we had reached the pinnacle of power.

Even before the .44 Magnum was factory-produced, Dick Casull had begun the experiments which led to the .454 Casull in 1983 and velocities of 1800-1900 with 250 grain bullets and 1700-1800 with 300-340 grain bullets. And this in a three pound revolver.

Also in the 1980's, custom gunsmith John Linebaugh of Cody, Wyo. first cut .348 Winchester brass and then .45-70 brass to standard revolver length, fitted the Ruger Bisley with special five-shot cylinders and the .475 and .500 Linebaughs, subsisting on a diet of 400-450 grain bullets at 1200+ fps, were born. Power plus portability.

Others took a different route. Instead of using standard length revolver cartridges, the late Elgin Gates of IHMSA went with a 1.600" length giving birth to the .357, .375, .445, and .414 SuperMag

cartridges in Dan Wesson revolvers with stretched frames and cylinders.

Another path to more power was that of using old time rifle cartridges in extra large revolvers. Elmer Keith reported in his book *Sixguns* that he had tried a revolver weighing five pounds and chambered for the .45-70 rifle cartridge: "...it was accurate and the load was not at all unpleasant to shoot from the huge gun. However the gun was so crudely made it did not function worth a whoop and could not be recommended, but it proved such a gun is entirely possible."

Sometime in the late 1950's, early 1960's two .45-70 revolvers were hand-made in a joint effort by Clarence Bates of Arizona and Stu Brainard of Idaho. Brainard displayed his big revolver at local gun shows for many years until his death.

.45-70 Revolver

Now enter Earl Keller. In the mid-1970's, Keller started manufacturing the Century Model 100 revolver in .45-70 chambering. Keller died in 1986 after making slightly less than 400 of the big sixguns and I have serial number 276 that was received after a wait of eight years!

Elmer Keith had serial number 12. At the time of his death, Keller had requests and reserved serial numbers for more than 2,500 more of the big .45-70's.

Just before he died, Keller negotiated the sale of his company to Paul Majors who produced 120 more revolvers in Keller's Evansville, Ind. plant before moving the entire operation to Greenfield, Ind.

The Greenfield Centurys are made with investment casting with the frame being of 120,000 pound tensile strength bronze and the barrels and cylinders are of 4140 steel.



The .45-70 and .50-70 Government cartridges and cylinder (at right) dwarf Elmer Keith's .44 Magnum. The .50-70 can make 1800 fps with the 450 grain bullet.

The standard .45-70 chambering is available in barrel lengths of 6 1/2, 8, 10, 12, and 14 inches. Retail price of the .45-70 Century Model 100 is \$750.

This is a big revolver to say the least. Weighing in at six pounds, it dwarfs "ordinary" revolvers like the Colt Single Action or Ruger Super Blackhawk. Two hands are the norm in firing this big sixgun.

Although the Century is huge, the grip frame is of the proper proportion and is quite comfortable. Recoil, rather than being a quick snap, is more like a large shove.

The Century is a traditional single action six-shot revolver that must be loaded one at a time and ejected one at a time. There is a cross bolt safety for carrying six shots, but I do not trust single action revolver safeties and prefer to carry five shots, thank you.

Sights are a fully adjustable Millet rear sight set into a massive flat-top frame and the front sight is a rifle ramp



The .45-70 Century delivers excellent performance despite its huge size. Surprisingly, the "Mother Load" .50-70 shot tighter groups when tested over sandbags.

BARREL LENGTH: 6 1/2"

BRASS: WW .45-70

PRIMER: CCI #250

CHRONOGRAPH: OEHLER MODEL 35P

TEMP: 70 DEGREES

BULLET	LOAD	MV
300 GR. JHP FEDERAL FACTORY		
		1012
RCBS #45-300FN		
	30.0 GR. #2400	1254
	31.0 GR. #2400	1323
	32.0 GR. #2400	1424
	33.0 GR. #2400	1410
	34.0 GR. #2400	1406
	35.0 GR. #2400	1438
	33.0 GR. IMR4227	1161
	34.0 GR. IMR4227	1244
	35.0 GR. IMR4227	1287
	36.0 GR. IMR4227	1297
	37.0 GR. IMR4227	1241
	38.0 GR. IMR4227	1329
	33.0 GR. SR4759	1018
	34.0 GR. SR4759	1200
	35.0 GR. SR4759	1029
	36.0 GR. SR4759	1152
	37.0 GR. SR4759	1107
	38.0 GR. SR4759	1238
RCBS #45-405FN		
	27.0 GR. #2400	1096
	28.0 GR. #2400	1164
	31.0 GR. IMR4227	1093
	32.0 GR. IMR4227	1129
	33.0 GR. IMR4227	1134
	34.0 GR. IMR4227	1182
	35.0 GR. IMR4227	1195
	30.0 GR. SR4759	1032
	31.0 GR. SR4759	1101
	32.0 GR. SR4759	1114
	33.0 GR. SR4759	1123
	34.0 GR. SR4759	1188
	35.0 GR. SR4759	1195
	52.0 GR. H322	1256
	46.0 GR. RE7	1324

with a dovetail for the front sight, allowing the easy use of different height and blade combinations. An excellent idea.

Firing The Big Gun

I've fired the .45-70 Century quite extensively, both my original Evansville Model and the new Greenfield Model.

Continued on page 52



Denny's Shooters Supply, Inc.

ORDERS ONLY:
1-800-747-3845
P. O. Box 402
Cedar Falls, Iowa 50613

24 HOUR FAX:
319-277-3003

MasterCard

ERNIE HILL SPEED LEATHER®

	Plain Brown or Black Basket
New Fas-trac Holster.....	99.00
Stock Revolver	
K-L-N Frame.....	99.00
PPC 6" S & W K-L-N Frame (Adjustable cant. Open Front for Ribs & Scopes).....	90.00
Double Mag Pouch - Available Straight Up, Angle Back or Angle Forward.....	36.00
Fender Single Mag Pouch.....	32.00
Fender Double Mag Pouch.....	42.00
Fender Triple Mag Pouch.....	48.00
Competition Belt (Spring Steel Lined).....	50.00



Competition Electronics, Inc.

Pro Timer III.....	249.95
Pro Tach Chronograph.....	149.95
Pro TNT.....	325.00

VIDEKI TRIGGERS

Speed Trigger, Long w/3 Holes.....	14.00
Long Match Trigger.....	13.00
Gold Cup w/3 Holes.....	15.00
Extended Ejector.....	15.50

SHOOTING VIDEOS

Pistol Masters.....	49.95
How to Shoot Fast & Accurate.....	49.95
The Steel Challenge 1988, 1989, 1990.....	49.95
NRA Bianchi Cup 1986 THRU 1990.....	49.95
USPSA Nationals 1988, 1989, 1990.....	49.95
Pin Points, w/Carver & Tapp.....	39.90
Bob Munden "Fast Draw".....	49.95
Women's Guide to IPSC.....	49.95
How to Win at PPC w/John Pride.....	49.95
45 Acp Disassembly/Reassembly.....	29.95
Pachmayr "Handgun Hunting".....	49.95
"At the Beep" w/J. Michael Plaxco, 2 1/2 hours of classroom and on the range shooting instruction (2 tapes).....	69.95

SMITH & ALEXANDER

Magwell Gov't Flat/Arched (BL/SS).....	69.95
Magwell Officers Flat (BL/SS).....	69.95
Ambi Mag Release.....	69.95
Hogue 1911 Grips.....	48.95
Also made to fit flush against S & A Magwells S & A Grip Safety (Specify Blue or SS).....	34.95

KINGS

Ambi Safety (Blue/SS).....	\$64.95
Speed Safety (Blue/SS).....	24.95
Extended Slide Stop (Blue/SS).....	29.95
King-Tappan Combat Sights.....	31.95
Officers model Recoil Spring Guide System.....	56.95
Colt 10mm Auto Recoil Spring Guide System.....	38.95
Drop In Wide Grip Safety (Blue/SS).....	31.95
Drop In Notched Wide Grip Safety (Blue/SS).....	34.95
Colored Front Sight Insert Kit ... (Specify Red, Orange, White or Yellow).....	13.50
National Match Link & Pin Set.....	23.95
Arsenal Type Front Sight Staking Tool.....	18.95
Combo Disassembly Tool.....	16.95
Triggers (Colored: Black, Blue, Red or Gold).....	18.95

Kim Ahrends Custom Grips

Cocobolo, Cordia, Ebony, Tulipwood, Kingwood, Rosewood	
Combat Grips.....	36.00
Diamond Grips.....	50.00
Smooth Grips.....	36.00

Metalform 1911 Magazines

	Blue	Stainless
9mm 9rd.....	\$11.00	\$15.50
38 Super 9rd.....	10.50	16.00
45 acp 7rd. rounded follower.....	10.00	16.00
45 acp 8rd.....	11.50	17.00



	Blue	Stainless
8rd 45 Acp Magazine.....	\$19.50	\$22.50
9rd 10mm Magazine.....	21.95	27.95
10rd 38 Super Magazine.....	21.95	27.95
8rd 45 Acp Conversion Kit.....	10.50	
9rd 10mm Conversion Kit.....	10.50	
10rd 38 Super Conversion Kit.....	12.50	
J & S Base Pad (installed on above Mags).....	2.00	

CHIP McCORMICK

Standard Sear.....	\$14.25
Fully Prepped Sear.....	22.95
Titanium/Carbon Fiber Match Trigger.....	29.95
Nastoff or McCormick Titanium Hammer.....	76.95
Nastoff or McCormick Tool Steel Hammer.....	59.95
Standard Commander Hammer.....	24.95
Semi Prepped Standard Commander Hammer.....	49.95
Titanium Firing Pin (38 Spr or 45 Acp).....	24.95
Titanium Hammer Strut.....	12.95

MEPROLIGHT® SIGHTS

MEPROLIGHT NIGHT SIGHTS (Tritium)

ML1150 Open Rear for AR15, M16.....	\$64.95
ML115P Peep Rear for AR15, M16.....	64.95
ML1160 Open Rear for AR15 A2.....	64.95
ML200A S&W Revolver (adj. sights).....	64.95
ML210 Sig Sauer P220.....	64.95
ML230 S&W 459, 659 (adj. sights).....	64.95
ML250 S&W 645 (fixed sights).....	64.95
ML280 Browning Hi-Power (fixed sights).....	64.95
ML710 Sig Sauer P225, P226, P228.....	64.95
ML735 S&W 5900 Series (fixed sights).....	64.95
ML736 S&W 5900 Series (adj. sights).....	64.95
ML740 S&W 459, 659 (fixed sights).....	64.95
ML745 S&W 6900 Series (fixed sights).....	64.95
ML755 S&W 4506 (fixed sights).....	64.95
ML756 S&W 4506 (adj. sights).....	64.95
ML760 Beretta 92.....	64.95
ML770 Colt Gov't with .055 stem.....	64.95
ML775 Colt Gov't with .125 stem.....	64.95
ML790 Ruger P85.....	64.95



Official IPSC TARGETS

50 -	50¢ each
100 -	45¢ each
500 -	40¢ each
1000 -	36¢ each

Targets do not include freight, please call.

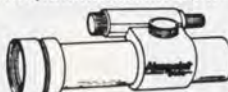
Matching Target Pastors
Box of 1,000 - \$3.00

AIMTECH SCOPE MOUNTING SYSTEMS

(No Gunsmithing)

Glock 17, 17L, 18, 19, 22, 23 (Black).....	\$49.95
S&W 645/745 (Black).....	45.95
S&W 59/459/659 (Black or Silver).....	45.95
Colt Government (Black).....	45.95
Browning Hi Power.....	45.95
S&W K Frame (Black or Silver).....	49.95
S&W L Frame (Black or Silver).....	49.95
S&W N Frame (Black or Silver).....	49.95

Aimpoint 5000



Introducing the new AIMPOINT 5000, with the widest field of view available. The AP 5000 is a 30mm electronic red dot optical sight designed specifically for all types of pistols and revolvers. The tube measures 5.5". The AP 5000 comes complete with 30mm rings, polarizing filter, lithium batteries and lens caps\$245.95
Extra batteries.....6.95

Wilson's



- MAGAZINES -

7rd 45 Acp w/Base Pad.....	\$22.95
7rd 45 Acp w/Extended Base Pad.....	23.95
8rd 45 Acp w/Base Pad.....	25.95
8rd 45 Acp w/Extended Base Pad.....	26.95
10rd 38 Spr. w/Base Pad.....	27.95
10rd 38 Spr. w/Extended Base Pad.....	28.95
8rd 10mm w/Base Pad.....	26.95
8rd 10mm w/Extended Base Pad.....	27.95



- COMMANDER - - HAMMERS -

Deluxe Slotted, Available in Blue or Stainless Steel. \$32.95

Narrowed (Blue/Stainless).....	\$25.00
Deluxe Slotted (Blue/Stainless).....	32.95
"EDM" Ultralight, A-2.....	39.95
Deluxe A-2 Sear.....	17.95

- BARRELS & COMP KITS -

45 Acp 5" Stainless Match Bbl.....	\$135.00
45 Acp 6" Stainless Match Bbl.....	145.00
38 Spr 6" Stainless Match Bbl.....	155.00
38 Spr 6" Stainless Bbl w/ Ramp.....	165.00
40 S&W 6" Stainless Match Bbl.....	155.00
10 MM 6" Stainless Match Bbl.....	155.00
Match Barrel Bushings (Blue/SS).....	15.00
DP-K 45 Acp Dual Port Kit.....	299.95
DP-K 45 Acp Dual Port Drop in Kit.....	250.00
DP-K 38 Spr Dual Port Kit.....	324.95
DP-K 40 S&W or 10mm Dual Port Kit.....	309.00
DP-K Comp only, 38, 45, or 10mm.....	129.95
Accu-Comp II Dual Port Kit 45 Acp.....	419.95
Accu-Comp II Dual Port Comp Only.....	199.95



Full Length Guide Rod/Group Gripper \$33.25

- GUIDE RODS & SPRINGS -

1 Piece (Gov't or Commander).....	\$24.00
2 Piece Gov't (5" or 6").....	32.00
1 Piece Kit w/Springs & Shok Buffs.....	33.00
Group Gripper - (Gov't/Commander).....	26.00
Full Length Guide Rod/Group Gripper.....	33.25
Recoil Springs 12 or 20 lb. (Commander).....	4.50
Gov't Springs 8, 9, 10, 12, 13, 15, 17, 18 1/2, 22 - each.....	4.50

ALL ORDERS SHIPPED IN

FOR INFORMATION:
319-277-3171



The choice of Champions.

- SIGHTS -

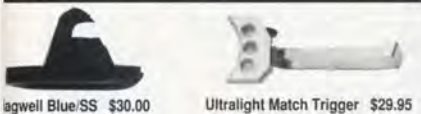
- High Visibility Combat\$26.00
- Deluxe High Visibility Combat\$33.00
- 3-Dot Sights\$33.00
- Bo-Mar, Front9.50 Wichita, Front10.00
- Bo-Mar, Back62.50 Wichita, Back62.50



High Grip Beavertail, Available in Blue or Stainless Steel. \$35.00
Ambi Safety, Available in Blue or Stainless Steel. \$50.00

- SAFETIES & SLIDE RELEASES -

- Ex Thumb Safety (Blue/Stainless)\$24.00
- Ambi Safety (Blue/Stainless)50.00
- Ex Slide Release .45 (Blue/Stainless)27.00
- Standard Slide Release 38 or 45 (Blue/SS)21.50
- Beavertail Grip Safety (Blue/Stainless)22.50
- High Grip Beavertail (Blue/Stainless)35.00
- Drop In Beavertail Grip Safety (Blue/SS)29.95



Magwell Blue/SS \$30.00 Ultralight Match Trigger \$29.95

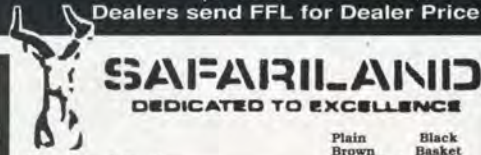
- OTHER WILSON ITEMS -

- Practical Shooters Bag, Black\$89.95
- Shootist Bag, Black99.95
- Heavyweight Grips, Silver50.00
- 3 Shok Buffs5.95 5 Red Buffs6.95
- Extended Ejectors (45 Acp or 38 Spr)21.00
- Extended Magazine Release (Blue/SS)23.00
- Checked Mainspring Housing (Flat/Arched)35.00
- Checked Front Strap (Blue/Stainless)14.95
- Barrel Link Kit (includes 5 links)22.00
- Replacement Bbl Links (1, 2, 3, 4, 5) each5.00
- Slide Thumb Guard (Stainless)14.95
- Mag Well (Blue/Stainless)30.00
- Brass Belt Buckle w/Wilson Logo11.00
- Extractor 45 Acp 70 or 80 Series16.00
- Extractor 38 Spr 70 or 80 Series16.00
- S & W L Frame Underlug (Blue/Stainless)45.00
- Ultralight Match Trigger29.95
- Long Match Trigger16.50
- 1911 Scope Mount (Blue/Stainless)99.95
- Polycarbon Shooting Glasses (Amber, Grey, Clear)26.95
- First Grip Magazine Release89.95
- The Combat Auto Book, By Bill Wilson14.95
- Titanium Firing Pin (38/45)24.95
- Extended Base Pads (for Wilson Mags) Black, Red, Blue, Green, Yellow2.20

24 HOURS OR LESS.

EASY TO ORDER: Mail in your order along with certified funds. Allow 2 weeks for Personal checks to clear. Describe your order as clearly as possible and include your phone number. OR Call in your order anytime. We accept VISA, MasterCard and UPS COD. Feel free to call if you have questions about any items listed or for help when ordering.

ORDERS OVER \$25.00 ARE FREIGHT PAID
(ORDERS UNDER \$25.00 - ADD \$2.75 FOR FREIGHT.)
Dealers send FFL for Dealer Price List. • FOREIGN ORDERS WELCOME



SAFARILAND
DEDICATED TO EXCELLENCE

	Plain Brown	Black Basket
008 Final Option.....	\$84.00	\$84.00
002 Cup Challenge.....	71.95	75.50
Competition Belt (Add \$10.95 for Buckle).....	38.50	38.50
076 Double Mag Pouch.....	22.95	26.50
073 Triple Mag Pouch.....	31.95	36.50
077 Idaho Reloader (Angle Adjustable).....	16.65	17.50
333 Triple Speed Loader Pouch.....	17.50	17.50
700-2 Double Adjust A Bar.....	15.00	
700-3 Triple Adjust A Bar.....	20.00	
702 Double Adjust A Bar (Complete w/2 077's).....	39.50	
703 Triple Adjust A Bar (Complete w/3 077's).....	55.50	

SPEEDLOADERS

- Comp I & Comp II (Specify Caliber & Model of gun).....\$ 7.50
- Safariland Comp III (S & W K or L).....11.50
- Safariland Loading Blocks (S & W K or L).....13.50
- Safariland Shooters Box.....19.95
- HKS (all sizes).....7.25

CLARK CUSTOM

Barrels and Comp Kits are available in 9mm, 10mm, 38 Super, and 45 Acp. Please specify Cal.

- 6" 45 Acp Match Barrel.....\$130.00
- 6" Ramped Match Barrel.....130.00
- 6" Threaded Barrel (.575 x 40)140.00
- Pin Master Comp Kit.....270.00
- Heavy Pin Master Comp Kit335.00
- Pin Master Comp Only125.00
- Barrel Bushings (Blue or Stainless).....12.50
- 2 Piece Guide Rods (4 1/4", 5" or 6")15.00
- Barrett Mag Guide (Blue or Stainless)25.00
- Aimpoint Grip Mount (Fits Colt Gov't)45.00
- 45 Auto Adjustable Scope Mount37.00
- Ruger MKII Adjustable Trigger15.00
- Ruger MKII Target Grips19.95
- 4 Finger Sear Spring.....6.00

ED BROWN



- High Grip Beavertail Grip Safety\$31.95 \$33.95
- Maxi-Well31.95 33.95
- Slotted Commander Hammer35.95 38.95
- Extended Thumb Safety29.95 31.95
- Ambidextrous Safety.....49.95 54.95
- Hex Head Grip Screws.....7.95 8.95
- Four Star Comp with 5.5" barrel (bushing, link & pin included) 45 Acp or 10mm328.50 338.50
- Oversized Thumbblatch (For S & W Revolver).....23.95 24.95
- S & W Ext. Slide Release (For 645, 745, 4516, 1006).....41.95
- (For 3903, 3904, 3906, 3913, 3914).....41.95
- (For 5903, 5904, 5906, 6904, 6906, 4006).....41.95
- Beavertail Installation Jig.....17.95
- 1 Pc. Heavy Duty Guide Rod & Plug25.95
- Reverse Recoil Spring Plug (Blue)15.00

- Accessories for .45 acp Revolvers**
- 10 Full Moon Clips for the .45.....\$ 4.50
 - 100 Full Moon Clips for the .45.....30.00
 - Full Moon Clip Extractor.....1.00
 - 10mm Full Moon Clips10 for 12.00
 - "Shoot the Moon" Loader Holder.....8.95



- GRIPS**
- Presentation.....\$20.00 Grippers\$24.00
 - Compac.....23.00 Signature.....25.00
 - Pro Grippers.....24.00 Pro Compacs23.00

- ACCESSORIES**
- Auto Pistol Sights.....\$53.45
 - Nylon Trigger.....12.55
 - Custom Wide Barrel Link, Stainless.....19.75
 - Widget Tool.....2.95

HANDGUN RELOADING COMPONENTS

- Handgun Bullets**
- | | per 500 | per 1000 |
|-----------------------------------|---------|----------|
| Winchester 9mm 115gr FMJ..... | \$27.75 | \$51.00 |
| Winchester 9mm 124gr FMJ..... | 28.75 | 52.00 |
| Remington 9mm 147gr JHP..... | 33.00 | 60.95 |
| Remington 38 Auto 130gr FMJ..... | 29.00 | 52.00 |
| Remington 38 148gr HBWC Lead..... | 21.00 | 35.00 |
| Remington 38 158gr SWC Lead..... | 21.50 | 35.95 |
| Winchester 40/10mm 180gr JHP..... | 44.75 | 80.50 |
| Winchester 38 125gr JHP..... | 39.00 | 51.25 |
| Winchester 38 158gr JHP..... | 32.00 | 60.25 |
| Remington 44 180gr JHP..... | 43.00 | 77.50 |
| Remington 44 240gr JHP..... | 48.95 | 87.00 |
| Remington 45 Acp 185gr JHP..... | 47.50 | 83.95 |
| Winchester 45 Acp 230gr FMJ..... | 46.50 | 84.00 |
- Handgun Brass**
- | | per 500 | per 1000 |
|--|---------|----------|
| Winchester 40 S & W UNprimed..... | \$56.00 | \$104.95 |
| Winchester 9mm UNprimed..... | 40.25 | 71.00 |
| Winchester 357 Mag. UNprimed..... | 42.00 | 72.95 |
| Rem. 38 Super-P UNprimed (Yellow)..... | 39.00 | 75.00 |
| Rem. 38 Super-P UNprimed (Nickel)..... | 43.00 | 80.00 |
| Winchester 10mm UNprimed..... | 56.95 | 105.95 |
| Winchester 44 Mag. UNprimed..... | 56.00 | 99.50 |
| Winchester 45 Acp UNprimed..... | 51.95 | 93.00 |
- Many more handgun reloading components available at discount prices. Send for 1991 price list.

B-SQUARE
Laser Sights and Scope Mounts

- | | Blue | Stainless |
|---|---------|-----------|
| Dan Wesson (Vent Rib Clamp)..... | \$44.95 | \$54.95 |
| Colt Python (barrel clamp) 4, 6, or 8"..... | 44.95 | 54.95 |
| Colt King Cobra (Barrel Clamp)..... | 44.95 | 54.95 |
| Colt 45 with Pachmayr slide release..... | 59.95 | 69.95 |
| Browning Buckmark..... | 44.95 | 49.95 |
| Browning Hi-Power..... | 59.95 | 69.95 |
| Beretta/Taurus 92/99..... | 59.95 | 69.95 |
| Taurus 66 (Barrel Clamp)..... | 44.95 | 54.95 |
| Desert Eagle..... | 59.95 | 59.95 |
| Glock 9mm..... | 59.95 | 59.95 |
| FIE T2 75 9mm Auto..... | 59.95 | 59.95 |
| Ruger GP 100 (Barrel Clamp)..... | 44.95 | 54.95 |
| Ruger Redhawk..... | 54.95 | 64.95 |
| Ruger Blackhawk/Super Blackhawk..... | 54.95 | 64.95 |
| Ruger Single Six..... | 44.95 | 54.95 |
| Ruger P85..... | 59.95 | 69.95 |
| Ruger MK I, MK II (Dovetail Mount)..... | 44.95 | 54.95 |
| Ruger MK I, MK II (Mono Mount)..... | 44.95 | 54.95 |
| Sig 226 9mm Auto..... | 59.95 | 69.95 |
| Smith & Wesson K, L, N..... | 44.95 | 54.95 |
| S&W 41 (Heavy or Standard Barrel)..... | 54.95 | 54.95 |
| Smith & Wesson 422/622..... | 44.95 | 54.95 |
| Smith & Wesson 5906..... | 59.95 | 69.95 |
| T/C Contender..... | 44.95 | 44.95 |
| B-Square 1 inch Rings..... | 16.95 | 16.95 |
| B-Square Laser Sight..... | 299.95 | 299.95 |
| Laser Sight Mounts (Starting at)..... | 34.95 | 44.95 |

- Chapman 8900 Screwdriver Kit**
- 12 slotted, 2 phillips, 10 allen.....\$26.95

- Grip Safety, Gov't or Comm\$31.45
- Mainspring Housing, Flat or Arched.....\$15.25
- Slide Thumb Guard (Blue or Stainless).....17.95
- Snap Caps 9mm, 38 Special, 45 Acp.....11.95
- Mag Bumper Kits, Colt Mags (set of 5).....14.35
- Magazine Bumper Kit, Hi-Power (set of 5).....14.95
- Mag Bumper Kit, Hi-Power (set of 5).....14.95
- Colt Officers Magazine, Stainless.....25.15
- Colt Gov't Magazine, Stainless.....23.35
- Browning Hi-Power Magazine, Stainless.....29.65
- Beretta Magazine, Stainless.....31.45
- Sig P226 Magazine, Stainless.....35.95
- PT-92/99 Magazine, Stainless.....31.45

BUY 3 GET 1 FREE! BUY 3 GET 1 FREE! BUY 3 GET 1 FREE!

NEW!

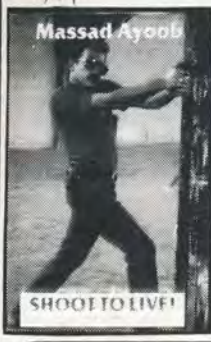
MAIL ORDER VIDEO

presents

CALL TOLL FREE!

ORDER NOW!

800-942-TAPE MasterCard VISA
BUY 3 GET 1 FREE!



MASSAD AYOOB—Shoot to Live! (Gunfight Survival)

Massad Ayoob is recognized worldwide as an expert in the use of firearms for self-defense and law enforcement. He is the author of several books and hundreds of magazine articles dealing with lethal force. In this video, Ayoob shares his unique perspective on gunfight survival including: .45 caliber vs. 9mm, the three most important aspects of a gunfight, pistol vs. shotgun, "stopping power," training vs. real life, and much more. over 60 minutes **\$49.95**



HOW TO SHOOT FAST AND ACCURATELY

The fastest shooters in the world show you how to shoot fast and accurately. Complete how-to information on equipment, draw, grip, sight picture, trigger pull... It's all here plus lots more. Professionally produced with slow-motion, graphics, music and complete narration. 60 minutes **\$49.95**



USPSA NATIONAL CHAMPIONSHIPS

IPSC Combat Pistol Competition
 True combat pistol action featuring the best shooters in the world. Watch and learn as they go through the paces of the most realistic combat courses ever designed. If you want to be a better combat shooter this tape is a must. Professionally produced, full color, slow motion, interviews and lots more. 70 minutes **\$49.95**



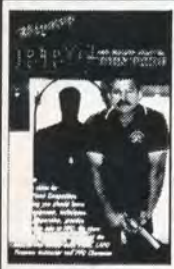
FAST & FANCY SHOOTERS

The golden era of professional exhibition shooting is long past but now it can be relived! See some of the most incredible feats ever performed with some of the biggest names Bill Jordan, Ed McGiven, Herb Parson, Ken Beagle and others are highlighted in this collection of authentic early footage. 75 minutes **\$59.95**



BIANCHI CUP

Features the world's best action pistol shooters as they compete in the most prestigious pistol competition. Falling plates, moving target, barricade, practical and speed events are highlighted and demonstrated. Play by play narration, interviews, slow-motion replays and more. 1990 **\$49.95**



HOW TO WIN AT PPC with Grand Master John Pride

The finest complete how to shoot PPC video. Covers equipment, stance, draw, grip, sight picture, trigger pull how to practice, mental preparation and lots more. A comprehensive look at winning PPC techniques taught by one of the best PPC shooters ever... John Pride, a two-time NRA/Blanchi Cup winner. 60 minutes **\$49.95**



PISTOL MASTERS

Sight picture, grip, trigger pull, stance, type of gun and ammo, practice methods, mental concentration...it's all covered in the best, pure "how-to" shoot combat pistol video available. Features Leatham, Enos, Barnhart, McCormick, Placco, Joanne Hall, Spagnoli, Wilson and Chapman. 60 minutes **\$49.95**



DEADLY WEAPONS

Learn the truth about modern firearms. What they will and will not do. Compares different calibers shooting through glass, into car doors, at bulletproof vest, even into auto fuel tanks! Thousands sold worldwide. See for yourself why the KGB, FBI, CIA and hundreds of police agencies have this tape. Over 100 minutes. **\$49.95**



DEADLY FORCE

Firearms Self-Defense The Law
 From the producers of Deadly Weapons and Deadly Effects, this video explores the legal aspects of deadly force. If an intruder breaks into your home what can you legally do? 1) Politely ask him to leave. 2) Shoot the SOB. 3) Hold him at gunpoint until the police arrive. This video gives real answers. 100 minutes. **\$49.95**



GUNPLAY

Trick & Fancy Gun Handling
 The world's greatest trick and fancy gun artists in one of the most amazing videos ever! Gun spinning, gun juggling, trick shooting, fast draw and many more amazing feats of skill and talent are in this professionally produced video. All the great names that have elevated fancy gun handling to what it is today. 60 minutes **\$49.95**



DEADLY EFFECTS

Wound Ballistics
 Shows what bullets do to bodies. How to choose effective handgun ammunition. The effects of bullet weight and bullet configuration. Stopping power, energy transfer, penetration and incapacitation. From the producers of Deadly Weapons. Over 80 minutes. **\$95.00**



WINNING NRA ACTION SHOOTING with John Pride

John Pride has won the NRA/Blanchi Cup two consecutive years and has placed second twice. This complete how-to video covers all you need to know about winning. Pistols, shooting techniques, practice methods, mental preparation, match pressure and more... this tape covers it all. 60 minutes. **\$49.95**



AT THE BEEP

with J. Michael Placco
 One of the world's best most consistent practical shooting competitors takes you through all phases of becoming a better pistol shooter. See why he is known worldwide as one of the best instructors. He takes competitive shooting one step further as he talks about mental and physical aspects of a consistent winner. 150 minutes **\$69.95**

ORDER TOLL FREE NOW!!
BUY 3 GET 1 FREE!!

800-942-TAPE
 FAX: (619) 569-0505 Phone: (619) 569-4000

Please send me the following videos:

Call toll free to order and to ask about any tape in which you are interested. We'll be happy to answer all of your questions. Buy any three videos at the listed price and receive another tape of equal or lesser value at no additional charge.

Please include \$3.00 shipping and handling.
MAIL ORDER VIDEO MasterCard VISA
 7888 OSTROW STREET #A SAN DIEGO, CALIFORNIA 92111

BUY 3 GET 1 FREE! BUY 3 GET 1 FREE! BUY 3 GET 1 FREE!



TAURUS Nine-Shooter!

The perfect trail gun or plinker, says our Field Editor, is this weatherproof stainless steel nine-shot .22 revolver.

By John Taffin Photos by Ichiro Nagata

Handgunners are fortunate to be living at a time when—finally!—virtually any handgun you could possibly want is available. For years, even decades, handguns were offered much like Henry Ford's Model T. You could have any color you wanted... as long as it was black.

Handguns varied not much more than this. But now just about anything is available. It may come from one of the major manufacturers; one of the newer and smaller firearms companies; or it may require that a custom pistol- or revolver-



smith be called upon to fulfill our deepest desires, but anything reasonable—and some not so reasonable—can be acquired.

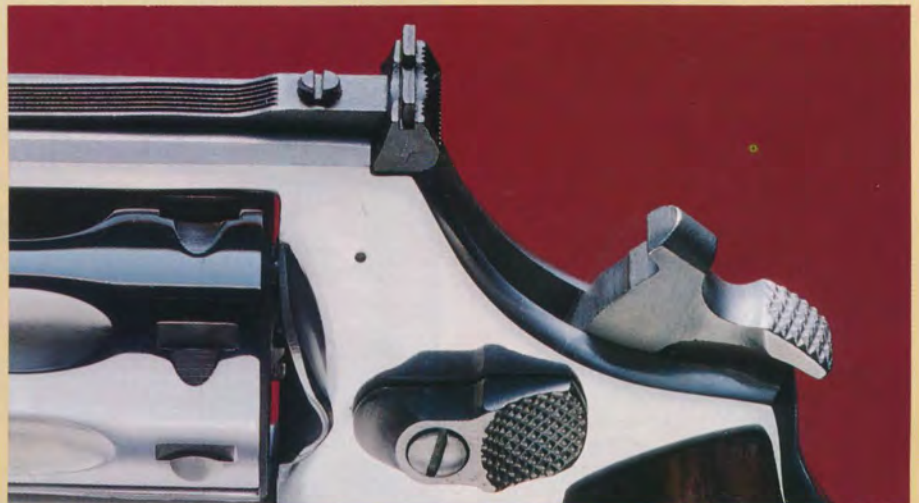
In the past decade we have seen the introduction of the SSK line of Hunting HandCannons on the Thompson/Center Contender. Freedom Arms has gone the .44 Magnum one better and magnumized the .45 caliber with their .454 Casull. John Linebaugh has taken revolvers to the ultimate, combining the large calibers in a packin' size pistol. Desert Eagle now has a .50 caliber auto pistol, for those who prefer their big bores with a self-loading flavor.

All of this comes in addition to the veritable plethora of regular Magnum





The Taurus 9-shot plinker shows excellent fit and finish. The gun handles and balances comfortably thanks to the well-designed grips. We would prefer a blue front sight to the shiny stainless one, but maybe we're just picky.



handguns offered by the major manufacturers. We are free at last to buy any Magnum we like after we had suffered through a long dry spell of having to pay black market prices to get a Smith & Wesson Model 29 .44 Magnum.

Now we can choose from .44 Magnums in nearly all shapes and sizes and

actions from Smith & Wesson, Ruger, Dan Wesson, Desert Eagle, Freedom Arms, and Thompson/Center as well as imports from Astra and Llama. And now, almost 40 years after the fact, we finally see Colt enter the .44 Magnum market.

Add to this the many silhouette pistols available plus the almost impossible-to-keep-track-of semi-autos in .45 ACP, 9mm, .38 Super, .41 AE, 10mm, and now the .40 S&W— just what more could a shooter ask for?

The one major hole that was left in all of the fairly recent handgun developments has been the lowly, but immensely popular .22. While the big guns were getting better and bigger, the .22's were disappearing.

The Ruger Bearcat vanished along with the entire lineup of Colt Woodsman .22's, and all of the High Standard .22's.

And weren't they grand target pistols?





The Colt .22 revolver died in both single- and double-action mode as the Single Action .22, the New Frontier .22, the beautiful little Diamondback. The over-weight Trooper also disappeared from the Colt catalog.

Iver Johnson and Harrington & Richardson, known to nearly every farm boy as the supplier of rugged but inexpensive .22's, both closed their doors and those little plinking pistols known to generations vanished.

It almost looked like the .22 handgun was on the brink of extinction. We still had the Ruger Single-Six and Smith & Wesson Model 17 in sixguns and the Ruger Mark II and Smith Model 41 for the serious target shooters and semi-auto fanciers. The Smith & Wesson .22/32 Kit Gun was available at least in theory if not in fact, but that was the entire spectrum of .22's to be had not too many years ago.

Good .22s Are Back!

And then manufacturers woke up and started offering real quality .22's once again. Ruger brought out their long established .22 semi-automatic with a long range, tack-drivin' 10-inch bull barrel.

The Browning Buckmark was a real

disappointment to me originally, mainly because of its sight system, but it was quickly changed to both long-barreled Silhouette and Varmint Models, both of which are deadly accurate and now the Browning lineup has been made even better by the addition of a heavy-barreled target pistol which is nothing more than the Silhouette Model gone shorter.

Smith & Wesson went the other direction and brought out the first easy-to-pack honest-to-goodness semi-automatic .22 field pistol, the lightweight Model 422. Now we were really in hog heaven as .22's go!

Well, almost. Something was still missing. There was still a gap, a major hole in the .22 line-up.

No one, absolutely no manufacturer saw the need for a lightweight, high-capacity, spelled *nine-shot*, .22 revolver.

(Years ago, High Standard produced a nine-shot .22, The Sentinel, but it has gone the way of the all other High Standard products. Just plain gone.)

I never really understood why none of the major manufacturers brought out a .22 that utilized all the steel in the cylinder. It just never made much sense to me to pack a .22 revolver with a large block of steel for the cylinder with six barely discernable holes.

The only .22 sixgun that really appealed to me was the beautiful little Ruger Bearcat. Even the small frame .22 Kit Guns from Smith & Wesson still left an awful lot of unnecessary metal around each .22 chamber.

I often thought that someday when I had more money than sense, I would actually try to have a custom 'smith build a nine-shot revolver on the Kit Gun.

Internal lockwork differs from the S&W J-frame revolver primarily in that the Taurus uses a different trigger return set-up. In other respects the Taurus 94 and J-frame 63 are quite similar.

Nine-Shot .22 At Last!

No longer do I need to think of spending a thousand-plus dollars to come up with a small nine-shot revolver. It has been done, and done quite inexpensively.

And this so much appreciated and



needed new revolver does not come from one of the major US manufacturers, but from the enterprising Brazilian firm of Taurus. Finally, backpackers, fisherman, woods loafers, mountain climbers, smoke jumpers—the list is almost endless—have a lightweight, nine-shot .22 revolver!

To make it even better as an outdoorsman's pistol is the fact that it is available in weather-beating stainless steel.

TAURUS MODEL 94 TEST FIRING RESULTS

Ammunition	Velocity	Group Size
Federal High Power HP	971 fps	1 1/2"
Federal High Power	884 fps	1 1/2"
Federal Spitfire HP	1,059 fps	3 1/2"
Federal Spitfire	993 fps	3"
Federal Champion	825 fps	2 3/8"
CCI Blazer	914 fps	2 1/2"
CCI MiniMag	829 fps	2 1/2"
CCI Stingers	1,036 fps	3 1/2"
CCI Green Tag	802 fps	3 1/2"
CCI Pistol Match	850 fps	3 3/4"
Winchester T-22	890 fps	2 1/4"
Winchester High Velocity	853 fps	2 1/2"
PMC Predator	1,061 fps	2 5/8"
PMC Zapper	987 fps	1 3/4"
PMC Sidewinder	799 fps	2 1/2"
PMC Rifle Match	751 fps	2 3/4"
Remington Yellow Jacket	1,118 fps	2 1/4"
Remington High Velocity	948 fps	2 1/2"
Remington Thunderbolt	941 fps	1 7/8"
Remington Target	935 fps	2 1/2"
Barrel Length: 4-inches		
Group Sizes: nine shots at 50 ft.		
Chronograph: Oehler Model 35P		
Temperature: 35°		

When it comes to handguns, I take better care of mine than a museum curator. Yes, I use them and use them hard, but I do not abuse them. And when the going gets rough, I leave those with beautiful blue finishes and custom grips at home and often grab a Pachmayr-gripped stainless steel gun and laugh at the weather.

Tough-Duty Kit Gun

Now Taurus has given us the best of both worlds in that we have the lightweight rough-duty .22 kit gun in a finish that needs little care. And after it shoots six times, it shoots again. And again. And again.

This is not a gun to be babied and pampered and carefully wiped off and put away. This is a gun to be carried in a back-pack, or in a hip holster for days on end, or left in the tackle box, or tool box, where it is always available.

This is the gun for the fisherman who spends all of his time either around water, on water, in water, or being rained upon. Yes, a stainless .22, light in weight, 26 ozs., and carrying nine rounds makes a whole lot of sense to me.

Add 100 rounds of .22 ammunition,

my Al Mar/SSK folding knife, a pair of lightweight, but exceptionally clear Swarovski 8x20 binoculars, yes, add all of these to the Taurus .22 and one has a grand total of 50 ounces to pack.

Gun, ammunition, binoculars and knife—three pounds two ounces for all that makes a lot of sense when weight is critical. In fact, Taurus might have missed a good advertising gimmick by not calling this little .22 "The Backpacker."

Model 94 Features

The stainless finish on the Taurus 94 is quite good especially for a gun in this price range, or "affordable quality" as Taurus calls it. The single-action trigger pull is smooth enough not to be tampered with while the double-action pull is hampered by a sharp trigger that catches me, painfully, on the bottom of the trigger finger.

The entire grooved trigger could benefit by being polished completely smooth and the sharp tip being rounded off. The serrations on the hammer are also quite sharp and irritating when firing large quantities of ammunition in the single-action mode. Both the hammer and trigger can be fixed quite easily by anyone with a MotoTool.

Standard Model 94 wooden grips are quite good being the square-butt filler-style of Brazilian walnut. They are also very comfortable. These stocks are bigger than they need to be for a little .22 as the Taurus has the same grip frame as the round-butt Smith & Wesson J-series.

Pachmayr grips made for the round butt Smith & Wesson Chief's Special fit the Taurus Model 94 simply by drilling holes for the grip pin. That means the Taurus wooden grip will also probably fit the Chief's Special. I see a grip swap coming here.

Test Firing

The Taurus 94 is fitted with adjustable sights that allow it to be easily sighted-in to hit point of aim. And while the rear sight is the necessary black finish for good shooting, they goofed on the front sight which is integral with the barrel and thus stainless steel also.

I found it very difficult to see as my eyes prefer plain black front sights and this could account for the fact that my nine-shot groups fired from 50 feet were nowhere near the one-hole sample target provided with the Model 94 no matter what .22 LR ammunition was tried.

Fitting of a dark plastic insert in the front sight would aid sighting tremendously. This will be done after the front sight is filed down so the Taurus 94 can be sighted in at 50 feet with the rear sight bottomed out.

Groups were more in the 2.5" range with a few exceptional groups under two inches accomplished with Federal High Power .22's both in the solid form and hollowpoint versions. PMC Zapper and Remington Thunderbolt .22's both came

in under two inches also.

Definitely not a target pistol, but a lightweight packin' pistol. Complete test-firing results are shown in the accompanying chart.

Perfect Kid's Gun

This gun, in spite of its few flaws (which are easily fixed) and average accuracy, is definitely a keeper. I will use it to teach each of my grandkids to enjoy handguns in general and .22's in particular as each reaches the shooting age.

The light weight coupled with the diminutive grip for their small hands will make it easy to handle. My kids first packin' pistol was a Ruger .22 Bearcat. I would not be surprised to find the Taurus .22 passed from grandkid to grandkid as their first packin' pistol on family woods outings.

It will also spend a lot of time in my shooting box in a nylon holster from Idaho Leather, and also on my wife's hip as she and her girlfriend often go fishing for the weekend so I can concentrate on getting a lot of writing finished. She has been carrying a stainless .44 Special for years, but the .22 Taurus is lighter in weight, easier to shoot, and just plain fun to have for plinking when the fishing is lousy.

Once in awhile the handgun she carries fishing goes for an unexpected swim, still on her hip of course. The stainless Taurus with Pachmayr grips and carried in a nylon holster will go off for the weekend and I will be at home without a single worry about what shape it will be in when it comes back from the trip.

The .44 Special has always returned from each trip with the same five semi-wadcutter loads that it left with. I don't believe the Model 94 .22 will be able to do this. Thanks for providing a real practical kit gun, Taurus.

And Great For Gals Too!

My home state of Idaho has a positive Concealed Weapons Carry law. Basically, issuance is mandatory to anyone who is an honest law-abiding citizen as 99.99999% of all gun owners are. The Taurus nine-shot stainless .22 seems to me to be the perfect carry gun for a woman with small hands who does not like recoil.

Small and light in weight, easy to conceal, and most importantly, easy to learn to shoot, the Taurus is also one that will be practiced with. Rounding off the corners of the rear sight with a few file strokes and the installation of small round-butt grips and the Taurus becomes an even better concealed carry gun. Thanks again, Taurus.

For complete details on the Model 94 and all other Taurus handguns, write for free color catalog to Taurus International at 16175 N. W. 49th Ave., Dept. AH, Miami, FL 33014.



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

YOU CAN CHARGE IT, TOO! (SEE COUPON)



1992 GUN DIGEST

NEW!



#GD92
512 8½" x 11" Pages
\$19⁹⁵

The **number one** book on *USA TODAY's*® list of top ten best-selling outdoor books and the **only** firearms or outdoors book on their top ten general sports book list. This all-new 46th edition of GUN DIGEST provides, once again, the entertaining and highly informative look at the subject of firearms that has made it the most read and respected gun book in the world for the last 45 years. It remains unmatched in the field of firearms literature for its editorial excellence, the skill of its writers, the quality of its articles and its comprehensive catalog. Whether it's a first-hand report on what's new or a fresh look at the familiar, GUN DIGEST offers plenty of fascinating reading for the hunter, collector, historian, shooter, handloader and all-around gun lore enthusiast.

The Guns of the Philippine Wars by William R. Weir. In a new look at an old set of wars—from 1900 to 1913, they lasted—Weir examines the myth of the 45 and the myth of the unstoppable Moro warriors, and provides fresh examination of the facts concerning the many sorts of firearms U.S. forces actually used.

Thompsons That Never Saw Battle by John Malloy. There was at least one big Thompson gun, and several smaller ones, apart from the Tommy gun everyone knows about. The company did not rest on its laurels, but it never got a second brass ring, so there are a very few real Thompson guns that never fought and here they are.

Silent Arms in Modern War by Wilfrid Ward. Crossbows, silenced autoloaders, De Lisle Cartridges—that's only a partial list of the quiet killing devices of the two World Wars. These are the granddaddies of the tools they use now—the ones we can't show you—but they are interesting for more than historical reasons.

The Legend of Liver-Eatin' Johnson by Doc Carlson. Whether or not Robert Redford in

46th Edition

Edited by Ken Warner

Jeremiah Johnson really believed in his character, there is strong reason to believe the legend has more than a few flaws. John Johnston was real; his story was...well...read what Carlson found in the *legitimate* record.

The Kangaroo Rifle, Then and Now by Ross Simpson. There were more than enough 'roos in Australia in the 19th Century to create big problems—and there may actually be more now—but in between, the Aussies bagged them by the boatload, mostly with single-shot British rifles, then Winchesters. Now professionals control the 'roo population with high velocity 22's.

James M. Triggs: A Retrospective by Ken Warner. Between World War II and now, Jim Triggs has done a lot of things, but mostly he drew and painted guns. GUN DIGEST covers, Ruger advertisements, American Rifleman exploded views—he did it all. His *trompe l'oeil* technique has earned him national attention in the art world, and even more attention from those of us who like guns as much as he does.

Colt Clones by Jim Thompson. They come from Germany and Italy, mostly, these new versions of Colt's single-action six-shooters. Over a 20 to 30 year span now, they've been around, and it turns out they're pretty good.

The Browning That Almost Was by William G. Fohrman. Browning's BLR was invented and developed in the United States. And then Browning tried to have its lever action built here, which turned out to be an industrial-strength error, but it did produce a few hundred collectibles. Fohrman tells the story in detail.

The Gentleman's Companion Rifle by Ron MacDonald. They made them in the thousands for probably 70 years in England, but not a lot of Americans yet know it. They're called "rook rifles" and they're charming single-shots that can often be fed standard American ammunition and make splendid small-game getters.

Twice As Many Shots by Dwain Bland. It's so obvious, right? Shoot a double in place of a single—it shoots twice. Well, if you're talking muzzleloading shotguns, and Bland is, there's a lot more to it; like the right loads, the right maintenance and, most of all, safe handling. Bland tells all out of 40 years of blackpowder two-shooter experience.

The Oldest Guns In The World by Gad Rausing. Simple things they were, and mostly lost in battle and dug up only hundreds of years later. These were the starting place for all that GUN DIGEST is about—and men made them 665 years ago!

Those 26½-inch Guns by Ken Warner. If it's a shotgun, the barrel has to be at least 18 inches long; a rifle barrel has to be at least 16 inches; but overall, either one must be—in most places—just 26½ inches long to be legal. Here's how they look.

The 1500-yard Antelope Shot of Yore by Jim Foral. Did a fellow deliberately bag antelope at a mile with his Mannlicher-Haenel or not? And did he do it more than once? The debate raged in the shooting press for years before World War I and

here's what it sounded like. The truth? At that range, who knows? But it's fun.

Getting The Best From Your 22 Rimfire by C. E. Harris. Thousands of rounds in hundreds of groups fired with dozens of rifles have told Harris the difference between what works, what doesn't. For example, sorting ammo doesn't; crowning muzzles does.

My Perfect Squirrel Rifle by James Wheeler. Ruger doesn't make a rimfire Number One rifle, but Jim Wheeler did and it's a beauty. It took three years, but it was worth it and we'll show you both the first drawing and the end result.

My Air Rifle Makes Big Hunts Bigger by R. J. Robel. A seasoned big game hunter and veteran wingshot, Bob Robel has a simple air rifle practice routine that "absolutely" improves his shooting on trophies and, he finds, brings the hunt into focus months before he packs his bags. It takes 30 minutes three times a week.

Cults by John Barsness. Winchester Pre-64 70s? Yep—Cult guns. So are fancy doubles. And big bores. And small bores. There are cults all about us and Barsness points them out.

The SHOT Show The First Time by Wilfrid Ward. Two-time Amber Award winner and English, to boot, Ward tells us here of his first—he hopes—SHOT Show, our own shooter's showcase extravaganza. Not too surprisingly, he found different marvels than we do.

Sidney DuBroff, John E. Ross and Lee Arten add their choices for "One Good Gun." Testfire reports on the Desert Eagle and the USAS-12 Shotguns, among others.

Much, Much More!

Plus These Regular Departments:

- Ammunition, Ballistics and Components
- Rifle Review • Black Powder Review
- Scopes and Mounts Review • Handguns Today: Autoloaders, Sixguns and Others
- Custom Guns • Art of the Engraver
- Handloading Today
- Guns of Europe • Shooter's Marketplace
- Directory of the Arms Trade

PLUS a brand new, comprehensive directory of warranty repair facilities for every firearm manufactured in or imported to the U.S.

SPECIAL GUNDEX®: A preface to the catalog section, enabling the reader to locate immediately any gun in the catalog, knowing no more than its manufacturer and model designation.

AND THE MOST UP-TO-DATE CATALOG SECTION AVAILABLE

This section is once more expanded and revised to hold its position unquestioned as the best compact catalog of firearms available. Packed with illustrations and specifications on all U.S. and imported rifles, shotguns, handguns, black-powder guns, airguns, chokes and brakes, metallic sights, scopes and mounts. All listed with the most up-to-date prices available.

USE COUPON ON OPPOSITE PAGE TO ORDER ➔

Buy One DBI Book, Get One Free!

YOU CAN CHARGE IT, TOO! (SEE COUPON)



FLAYDERMAN'S GUIDE TO ANTIQUE AMERICAN FIREARMS...And Their Values 5th Edition

By Norm Flayderman
This completely updated edition, with its many additions and revisions, reflects the ever changing collecting and buying patterns in the antique firearms market. It also reflects some dramatic price changes as well as some revised attitudes relative to the impor-

tance of certain firearms due to information that has only recently come to light. There are models not previously listed or illustrated and the author has included about 250 additional significant facts to assist in determining rarity, demand and value. A wealth of knowledge and keen insight compiled by the leading scholar and authority on American antique firearms. 624 pages.

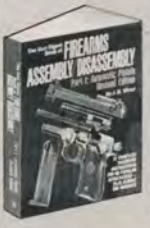
#FLA5 \$26.95



The Gun Digest Book of MODERN GUN VALUES, 8th Edition

By Jack Lewis
Updated and expanded edition of the book that's become the standard for identifying and valuing modern firearms. Covers the current values of all non-military guns introduced from 1900 to 1989. New comprehensive index. 512 pages.

#MGV8 \$18.95



GUN DIGEST BOOK OF FIREARMS ASSEMBLY/DISASSEMBLY

By J.B. Wood
Field stripping and complete takedown and reassembly of hundreds of popular firearms with photos and text describing each step. Parts I & II have been greatly revised and expanded to include hundreds of variants.

PART I: AUTOMATIC PISTOLS, Rev. Ed. 480 pages #AS1R \$16.95

PART II: REVOLVERS, Rev. Ed. 480 pages #AS2R \$16.95

PART III: RIMFIRE RIFLES 288 pages #ASS3 \$14.95

PART IV: CENTERFIRE RIFLES 288 pages #ASS4 \$14.95

PART V: SHOTGUNS 288 pages #ASS5 \$14.95

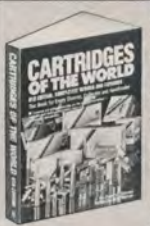
PART VI: LAW ENFORCEMENT WEAPONS 288 pages #ASS6 \$14.95



EXPLODED FIREARMS DRAWINGS 3rd Edition

Edited by Harold A. Murtz
470 drawings for over 400 firearms—handguns, rifles and shotguns, both modern and collector's. Directory of manufacturers, importers, distributors and sources for parts, tools, supplies and services. 480 pages.

#EFD3 \$16.95



CARTRIDGES OF THE WORLD 6th Edition

By Frank C. Barnes
Completely revised and expanded edition covers the dimensions, performance parameters and physical characteristics of over 1,000 different cartridges in one well-organized book. 448 pages.

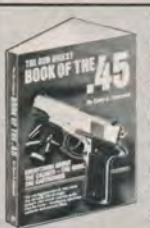
#COW6 \$18.95



HANDLOADER'S DIGEST 12th Edition

Edited by Ken Warner
Top writers in the field contribute helpful information in techniques and components. Greatly expanded and fully indexed catalog of all currently available loading tools, chronographs and accessories. 384 pages.

#HD12 \$18.95



THE BOOK OF THE .45

By Dean A. Grennell
The first book on the entire field of 45 caliber arms and cartridges. Covers the 45 Long Colt, 454 Casull, the 45 Winchester Magnum and such experimental cartridges as the 45 Super. Plus much on the 1911 Colt autoloader and more. 256 pages.

#B45 \$14.95



THE GUN DIGEST BOOK OF 9mm HANDGUNS

By Grennell & Clapp
Covers the 9mmP cartridge and the guns that have been made for it in greater depth than any other work available. Side-by-side ammo testfire reports using the Beretta Model 92F. Evaluation of over 50 guns. 256 pages.

#9MM \$15.95



COMBAT HANDGUNNERY 2nd Edition

By Chuck Karwan
All-new edition looks at real world combat from three perspectives: military, police and civilian. Pros and cons of combat games. Covers guns, ammo, equipment, training and techniques. 256 pages.

#COM2 \$14.95



THE GUN DIGEST BOOK OF ASSAULT WEAPONS 2nd Edition

Edited by Jack Lewis
All-new edition of this timely book reports on U.S. made sub-machine guns, evaluations of new assault rifles, coverage of new type combat shotguns, sound suppressors, laser sights and more. 256 pages.

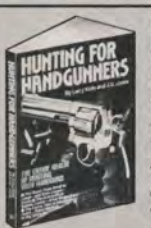
#AW2 \$14.95



HANDGUN DIGEST 2nd Edition

By Dean A. Grennell
An all-new treatise on handgun selection, operating principles, ammunition, reloading, performance, ballistics. Handgun hunting, handguns for defense, recreational handgunning. Notes on collecting. From the Old Master himself. 256 pages.

#HAN2 \$15.95



HUNTING FOR HANDGUNNERS

By Kelly & Jones
Handgun Hunting Hall-of-Famers Larry Kelly and J.D. Jones cover the entire spectrum of hunting with handguns in an amusing, easy-flowing manner that combines entertainment with solid information. 256 pages.

#HH \$14.95



THE COMPLETE BLACK POWDER HANDBOOK Revised Edition

By Sam Fadala
Revised, expanded and refreshed edition of the best selling black powder book of all time. If you're into black powder, you need this book...even if you have the old one! 320 pages.

#BPHR \$16.95



BLACK POWDER LOADING MANUAL Revised Edition

By Sam Fadala
Loading procedures, propellants, lubes, projectiles, pressures, ballistics. Loading data on 122 firearms with optimum, maximum, target, hunting, plinking loads. Muzzle and 100 yard velocity. Muzzle, 100 yard and remaining energy. 320 pages.

#BPLR \$15.95

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

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

- (a) Buy any book(s) in this ad at retail price.
- (b) For each book you buy, you may select a second book from this ad of the same price or less FREE!
- (c) Please include \$3.00 for each FREE book you order to help us cover postage, insurance, packing and handling.
- (d) This offer is restricted to purchases made by mail order from this ad only.

A	B	C
I'm Buying These	Retail Price	Send These FREE!
Book # _____	\$ _____	Book # _____
Book # _____	\$ _____	Book # _____
Book # _____	\$ _____	Book # _____
Book # _____	\$ _____	Book # _____
Column "B" Total	U.S. \$ _____	
PLUS postage, insurance and handling fee (\$3.00 for each FREE book)	U.S. \$ _____	

TOTAL ORDER U.S. \$ _____

Please check one:

I enclose full payment by check or money order. U.S. Dollars Only.

Charge my credit card:



Mastercard Visa Discover

Acct. No. _____

Exp. Date _____

Signature _____

Phone No. (____) _____

OFFER EXPIRES IN 60 DAYS.
ALLOW 4-5 WEEKS FOR DELIVERY.
DBI BOOKS, INC. Dept. D934
4092 Commercial Ave., Northbrook, IL 60062

Name _____

Address _____

City _____

State _____ Zip _____

This offer valid in the U.S. & Canada only.
Check, money order or credit card data must accompany order. Please do not send cash.

CORNUCOPIA OF COMBAT SHOOTING ACCESSORIES AND PRODUCTS IN '91

Sometimes I think that after 15 years of IPSC surely people must start running out of ideas for new products. After wandering the endless corridors at the 1991 SHOT Show for four days, though, it's evident that innovation is alive and well.

advised that the new P-9 "World Cup" model based on this prototype should soon be available in both 9x21 and .40 S&W calibers.

You might have to wait a bit for this model as production is being held up by delivery of some parts, and once these



Big capacity guns, scope mounts, and optical sights seem to represent the next wave of technology, but there are lots of other new products as well.

Springfield P-9

The Springfield Armory display at the SHOT Show was swarming with people wanting to get a look at Rob Leatham's prototype P-9 racegun.

Custom shop director Les Baer

arrive the custom shop is going to have to work through a backlog of orders. I'm sure that if the guns had been available Springfield could have sold several dozen at the show.

The custom shop has developed a frame-mounted scope mount with integral 30mm rings that will fit the P-9, or (with frame modification) 1911-A1 pistols.

Incidentally, although the custom shop naturally feels their own forged Spring-

field Armory pistols are the best, they will also build any of their custom guns on Colt or U.S. military pistols. For a description of the packages and services available ask for the custom shop brochure from Springfield Armory, 420 W. Main St., Geneseo, IL 61254 or call (309)441-5549.

New Caspian Frame

Caspian Arms Ltd. displayed a prototype big capacity frame (compatible with most 1911-type parts) that they hope to have in production by late 1991. Final specifications are still being worked out but they anticipate a magazine capacity of 14-15 rounds of .38 Super.

Caspian also makes the interesting Hybrid System compensator designed by Wil Scheuman, and the excellent Weigand scope mount for 1911 pistols (a model for CZ-type pistols is also in the works).

Caspian frames can be purchased already drilled and tapped for the Weigand scope base. The address is 14 North Main St., Dept. AH, Hardwick, VT 05843 or call (802)472-6454.

S&A M-16 Upper

Smith & Alexander (Box 835790, Dept. AH, Richardson, TX 75083, phone: (214) 231-6084) are best known for their very popular S&A Mag Guides, but they make a number of other accessories as well, and distribute parts from Ed Brown Products, Caspian, CMC, and Shooting Star.

For shooters who compete in three-gun matches they offer an M-16 upper receiver with the carrying handle removed and a Weaver-type base installed. The sample shown appeared to be very well made, with a suggested retail price of \$149.95.

S&A now make a titanium firing pin for .38 Supers or .45's, listing at \$24.95. These light pins speed lock time, but S&A point out another advantage—on 1911 pistols lacking a positive firing pin lock, these light, low inertia pins are less likely to cause an accidental discharge if the gun is dropped.

Accurate Arms Data

Accurate Arms powders have become increasingly popular with IPSC and action shooters. Accurate No. 7 is virtually the standard of performance for .38 Super major loads, while No. 5 was developed for the .45 ACP and should prove excellent in .40 S&W and .41AE as well.

The introduction to the 5th Edition of the Accurate Arms loading guide states "there has been a re-evaluation of the criteria for selecting data for inclusion... the data in this guide takes precedence over all prior publications. Previous editions of this loading guide should be discarded." For your copy of the 5th Edition send two bucks to Accurate Arms, Rt.1, Box 167-AH, McEwen, TN 37101.

Vic Bullets

A recent trend in IPSC competition is

BERGMANN - WILLIAMS

- HIGHEST QUALITY
- FAST DELIVERY TIMES
- DOUBLE & SINGLE PORTS
- BASIC TO FULL HOUSE IPSC
- COMP KITS ALSO AVAILABLE
- EACH GUN CUSTOM DESIGNED TO YOUR SPECIFICATIONS

Call or Write for Details

2450 Losee Road / Suite F
N. Las Vegas, NV 89030
ALL WORK GUARANTEED!



(702) 642-1091



CUSTOM HANDGUNS

the use of light bullets at high velocity loaded to meet the major power factor. The idea is that the light bullets mean a bigger volume of powder gases at higher operating pressure, making the expansion chamber compensator operate more efficiently for a faster rate of aimed fire.

The .38 Super shooters started this trend with 130 gr. bullets and soon .45 ACP users, not wanting to be left out of the fun, started clamoring for lighter bullets as well. VIC International (18056 Ledgepoint Pl., Dept. AH, Strongsville, OH 44136, phone: 216-572-0323) responded with .452" cast



bullets weighing 152 gr.

VIC provides a page of loading data with these "VIC Lite" bullets indicating that major loads can be achieved while (barely) staying within SAAMI maximum pressure limits of 19,900 cup. The data warns against the use of excessively throated barrels with such loads due to the possibility of case ruptures, and personally I'd feel better using a fully supported barrel.

Caspian Arms offers a supported 6" match barrel in .45 ACP at a suggested retail of \$199.95. Briley Manufacturing also makes fully-supported .45 barrels.

+P+ 9x21 CP

The hot news from C.P. is the introduction of a new cartridge case, the CP +P+ 9x21 CP. This is a rimless case midway in length between the 9mm Parabellum (19mm) and the .38 Super (23mm).

It's stretching a point to call it new, for the 9x21 first appeared in Italy some years ago. Evidently it was developed for civilian shooters as an alternative to the 9mm Parabellum, which was prohibited as a military caliber.

(As Jeff Cooper once put it so neatly, "Silly rules provoke transparent evasions.")

What's new about the CP version is the extra-heavy case construction designed to contain high pressures. The new case is intended to put .38 Super "major" performance into high capacity guns such as the Springfield Armory P-9 and the Smith & Wessons.

Its slightly shorter length will fit

these guns' magazines, while the true rimless design should stack and feed better than the semi-rimmed Super from double column mags.

And unlike the USPSA-banned "9mm Major" loads, there can be no complaints about exceeding SAAMI specs for the simple reason that no SAAMI specifications have been set!

C.P. Bullets has added a 152 gr. .45 bullet to its line of high quality super hardcast bullets, in addition to a heavy-weight 200 gr. bullet in .357" diameter, intended for bowling pin shooters.

Two more .356" jacketed bullets have been introduced, a 125 gr. FMJ and a 115 gr. "steel special." This last is a round-nose design but with an exposed lead tip that should help avoid arguments over whether or not a plate was hit.

C.P.'s range of products now goes far beyond bullets. C.P. distributes brass, Accurate Arms powders, and accessories from Wilson, Heinie, S&A, Safariland, and CMC.

They also make "Super Tuff" mag pads and recoil buffers. The mag pads for 1911 magazines screw onto the mag base, while the pads for S&W 9mm, 10mm, and .45 ACP magazines are designed to replace the base plate. They're available in nine colors from "Aurora Pink" to "Purple Haze."

The C.P. recoil buffers are made by an injection molding process, which, so I'm told, makes a better buff than the die cutting method used by some competitors. I'm completely sold on the utility of these recoil buffers. There is no better way to reduce the chances of stress cracks on your 1911 autopistol.

For information write C.P. Bullets, 1814 Mearns Road, Dept. AH, Warminster, PA 18974 or call (215) 956-9595.

Nosler IPSC Bullets

Nosler Bullets, Inc. (Box 671, Dept. AH, Bend, OR 97709, phone: 503-382-3921) has introduced a new bullet dubbed the 38/150 IPSC (actual bullet diameter is .357").



The jacketed bullets have a small amount of lead exposed at the tip, with a configuration that's a cross between a round nose and a flat point. They should prove excellent in the .38 Super.

Nosler sells them only in 250 quantity bulk packs. I'd like to see them offered in

Continued on page 76



SINCE 1949

CUSTOM HANDGUN ACCESSORIES FOR COLT .45 AUTOS

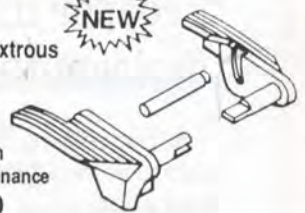


201
King's Speed
Safety
Blue or Stainless
\$25.95

201A
King's
Ambidextrous
Safety



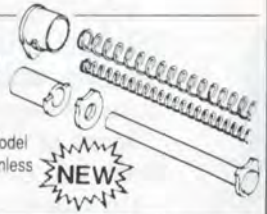
Blue or
Stainless



Works on
Para-Ordinance
\$65.00

306A
King's Recoil
Spring
Guide Kit

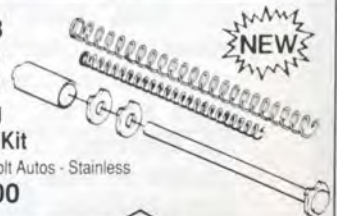
Colt .45 Officers Model
with Bushing - Stainless
\$59.95



306B

King's
Recoil
Spring
Guide Kit

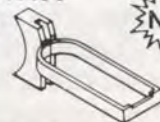
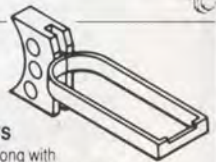
10mm Colt Autos - Stainless
\$39.00



301

King's
N.M. Aluminum
Adjustable Triggers

Available in Long, Extra Long with
or without Lightning Holes, Short and Gold Cup
\$17.50



Now Available in Colors:
Black, Gold, Red, Blue
\$19.50

For Complete Catalog Send \$2.50 to:

KING'S GUN WORKS

1837 W. Glenoaks Blvd., Dept. AH
Glendale, CA 91201

Contact your local dealer or order direct:

Please Add \$5.50
Shipping & Handling

(818) 956-6010

FAX: (818) 548-8606

Out-of-State Orders Only:

(800) 282-9449



The AYOOB FILES

DISARMED AND TAKEN HOSTAGE: THE ORAN PAPE INCIDENT

Situation: Disarmed during a traffic stop, an Iowa State Trooper must make the decision to fight or flee.

Lesson: Living up to some sort of "image" of The Brave Policeman can get you killed. There's no disgrace in retreat.

A policeman or anyone else who legally carries a gun has one recurring nightmare that lurks somewhere in the back of the mind: being disarmed by a criminal, then taken out and shot.

There have been numerous training approaches to handling the problem. One school of thought is that any disarming attempt should be met with savage reaction, even if death is certain; another suggests that compliance is the way to go; a third approach is to feign subservience, and then attack the abductor when he has dropped his guard.

Most of us have thought about it, but few have had to do it. One who did was Patrolman Oran Pape of the Iowa State Patrol, and he did it long ago.

On the 40th anniversary of the Pape incident, I was commissioned to write a story on it for *Iowa State Trooper* magazine, a publication of Iowa State Troopers Association. The research unearthed facts about Patrolman Pape and the shootout that were never made public at the time of the incident, facts still relevant today.

On April 26, 1936, Pape observed a black '35 Chevrolet with Iowa registration 3-1590 on Highway 61 just outside Muscatine. It was on his hot sheet as a stolen car. Cruiser radios at that time were receivers only, and he could not broadcast his location and mission. Instead, he just wheeled his Ford in behind the black Chevy and pulled it over.

An officer today with proper training would have dealt with such a problem as a "felony stop," to be handled with drawn guns and plenty of backup troopers. In Pape's day, however, highway patrolmen were expected not to pull guns on the citizenry if a gun had not been pulled on them. Accordingly, Pape left his department issue 4" Colt Official Police service revolver in the flap holster that hung low from his right hip.

It was a fatal mistake. Inside the Chevy was one Roscoe Barton, 23, a tall, lanky punk with an extensive criminal record. At the moment he was on probation from Leavenworth Federal Penitentiary on a conviction for theft of government property.

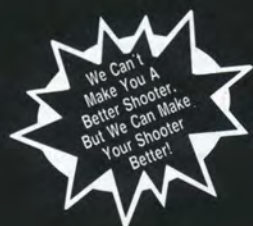
The car wasn't the only thing he had that was stolen: several sets of illicit license plates were in his possession, a bundle of stolen checks that could link him to a bank robbery... and two stolen Army 1911 .45 automatics with plenty of ammo. There was, Barton knew, only one way now to stay out of Leavenworth.

As Pape reached the left front of the car, Barton flung open the driver's door and levelled one of the .45s, cocked, dead center on the patrolman's uniform.

Even then, flapped police holsters were known to the cops as "widowmakers." No man in his right mind would try to draw from one against a man who already had the drop on him with a .45. Pape had no choice but to obey Barton's command and raise his hands. The thug then jerked the Colt revolver out of the officer's holster.

A handgun in each fist now, Barton gestured with the weapons as he snarled, "Get in the car!" Pape moved slowly around the front of the vehicle, toward the right front pas-

Continued on page 78



NEW!

QUASI-SCS™

If you are looking for the competitive edge, this awesome product will amaze you! Through the use of the revolutionary surface conversion system, the following results will be achieved:

- Reduced coefficient of friction to .095
- Increase muzzle velocity by 12%
- Increase barrel life by four times
- Rockwell hardness unchanged
- Practical application for pistol barrels, slides, frames, rifle barrels & shotguns.
- Faster heat dispersal
- Less recoil
- Less leading
- Improved accuracy
- Rust-proof finish—Non-glare, blued, or polished.

To inquire or for technical assistance, please call:

QUASI-SCS™

1 (409) 596-1564

P.O. Box 309, Somerville, Texas 77879

Look for the complete
QUASI-SCS™ story in an
upcoming issue of
**AMERICAN
HANDGUNNER!**

CYLINDER & SLIDE, INC.

BROWNING HI-POWER COMBAT ACCESSORIES



AMBIDEXTRIOUS 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.

\$75⁹⁵

EXTENDED SAFETY

Positive safety operation with no more "fumbles". Rounded corners eliminate snagging on holsters or clothing. Simple installation.

\$40⁹⁵



WIDE TRIGGER

Reduces felt trigger pull for better control. Exclusive design is better than a trigger shoe - will not snag holster on draw or insertion. Simple installation, also eliminates magazine safety.

\$40⁹⁵

COMBAT MAGAZINE 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.

\$21⁹⁵



COMMANDER STYLE HAMMER

Combines the best features of all past and present Browning hammers in a fully machined, heat treated hammer. Short spur design will not bite web of hand and is less prone to snag. When installed with our spring kit, will reduce trigger pull. Must be fitted by a competent gunsmith.

\$49⁹⁵

EXTENDED SLIDE RELEASE

Release slide without shifting grip, speeds reloading when you "run dry". Specially designed for the Hi-Power, simply replaces standard release.

\$52⁹⁵

STAINLESS STEEL MAGAZINE

Genuine stainless steel magazine with feed lips custom reshaped to feed properly.

\$34⁹⁵

PLEASE NOTE . . .

All prices are for blued parts, stainless finish is available at \$10 extra per part.

Hi-Powers guaranteed to feed all types of factory ammo including hollow points and Silver tips. Please call for details.

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 1/4 gal. and 4 gal.
- Ounce for ounce, Dunk-Kit is the least expensive cleaner on the market.

ONLY \$37⁹⁵ ppd. in the cont. USA.
1 1/4 gal. size Please send street address
for UPS delivery.



For Fully Illustrated and
Informative Catalog
Send \$3 (Refundable) (\$6 Foreign)
Cylinder & Slide, Inc.
P.O. Box 937AH
Fremont, NE 68025

-FOR TECHNICAL INFORMATION-
Phone (402) 721-4277
9:30 - 11:30 AM CST
Ask for Bill

THIS IS A GUN!

Continued from page 37

The accompanying loads were all developed in the latest model from the Greenfield plant.

The .45-70 Century proved to be quite accurate at both 25 yard paper targets and random rocks out to 250 yards. Bringing out the big .45 is a guarantee of drawing a crowd at any public shooting range. I much prefer the heavier 405 grain cast bullet from RCBS's #45-405FN mold.

The Century Custom Shop offers wood-en presentation cases, custom leather, custom grips, scope mounts and engraving. But more importantly, additional chamberings are offered in the Century.

In addition to the Model 100 .45-70, I also received two other guns for testing from the Custom Shop. These were a Model 400 in .444 Marlin and a Model 500 in 50-70 Government. The Model 50-70 is appropriately dubbed "The Mother Load" and is so inscribed on the barrel.

The Century is also available, through the Custom Shop at \$1500 per, in .30-30 Winchester and .375 Winchester. Personally speaking, I can see no use for the

BARREL LENGTH: 8"

BRASS: DIXIE .50-70
PRIMER: FEDERAL #250
CHRONOGRAPH: OEHLER MODEL 35P
TEMP: 70 DEGREES

BULLET	LOAD	MV
RCBS #50-515FN	27.5 GR. IMR4227	953
	30.0 GR. IMR4227	978
	32.5 GR. IMR4227	1128
	35.0 GR. IMR4227	1162
	37.5 GR. IMR4227	1210
	40.0 GR. IMR4227	1295
	27.5 GR. SR4759	847
	30.0 GR. SR4759	1001
	32.5 GR. SR4759	1162
	35.0 GR. SR4759	1272
	37.5 GR. SR4759	1437

.30-30, .375 or .444 Marlin chamberings in this big gun. It deserves better, namely the old .45-70 Government and .50-70 Government, chamberings.

The .444 Marlin can't do anything that isn't accomplished by the .44 Magnum and the .445 SuperMag. The .30-30 and .375 are definitely in the wimp category in this big sixgun.

The Model 400 in .444 Marlin also performed well in the accuracy department, but I was surprised to find the factory .444 Marlin Remington 265 grain load delivering less than 1500 fps, or about what a good .44 Magnum will do.

The .444 Marlin is hampered by case

- Custom Pistolsmithing -



• Custom Handgun Modifications

- Parts and Competition Accessories
- Service - Colt/Smith & Wesson Warranty
- Authorized by S&W for Magnum Barrels and Cylinders



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



TO ORDER 1-800-448-1713

Only Money Order or Cashier's Check for Prepaid Orders. MasterCard/Visa orders welcome. Supply complete card information including expiration date. Phone orders accepted for credit cards only. Furnish street address for UPS delivery. Add shipping and handling as follows for continental US: Prepaid - \$4.00; Credit Card - \$6.50; COD - \$9.00.

DRAKE'S Steel Reactive Targets

VERTICAL SPLIT POPPER — \$165.00

Drake's adds a new dimension to the "Pepper Popper" with this dual target model. Knock down each side independently or deal with a "shoot/no shoot" situation. Used by law enforcement training programs nationwide. Compact channel steel base, easily portable, angle adjustment. 42 in. high, 55 lbs. ships UPS.



DRAKE'S SWINGER — \$179.00



Side-to-Side tilting double-target frame. Activated by pulling out included prop from firing line, by a door or a falling "Pepper Popper". Counterweighted and mounted on two enclosed ball bearings for long swing time. Base removable without tools. Pockets mount your wood furring strips and two standard IPSC targets. 3 ft. high (bottom of target), 51 lbs., ships UPS.

"PEPPER POPPER" — \$99.00

Classic target shape falls when hit. Compact base for portability, fits in car trunk. Our own massive full-width hinge, easy angle adjustment at base, mild steel target. Comes in two sizes, ships UPS. Standard 42 in. high, 55 lbs., Mini Popper (Half size 21 in. high, 18 lbs.) \$59.00



Popper made of harder T-1 steel for extended life. \$169.00

3-WAY FLOPPER — \$85.00



Hit the 8 in. round plate to start targets moving. With two targets, one disappears and another POPS UP. Using one target in the rear position, target disappears. With one target front, target POPS UP, then disappears. Allows several variations on "shoot/no shoot." Uses your wood furring strips and standard IPSC targets, speed adjusted by changing furring strip length. 3 ft. high (top of round plate), 48 lbs., ships UPS.

Targets are designed for use with all lead pistol bullets only. Custom plate prices upon request. Send \$2 for full-color brochure. For inquiries call us at (203)535-3915. All shipping charges collect. CT residents add 7 1/2% sales tax. To order call us at 1-800-HIT-TARGET or send name & full shipping address with check or money order to:

DRAKE'S WELDING SERVICE, INC.
P.O. BOX 8, Stonington, CT 06376

PULL THE TRIGGER ON EXCITEMENT



SSK HAND CANNONS

For Superior Performance when you wish to reach out and touch something.

Specializing in:

17 to 50 Caliber Contenders
Custom scope installations for hunting handguns, custom revolvers, arrestor muzzle brakes, exotic finishes.

Please call or write for price quote or further information. If writing, send two First Class postage stamps.

SSK INDUSTRIES

721-AH Woodvue Lane
Wintersville, OH 43952
(614) 264-0176
(614) 264-7217

capacity. Too much, not too little. The case is so long that there is little room left for bullet seating in the Century chamber and 300 grain bullets seated deeply bulge the brass. If I had the time to really work with the Century .444, I would trim cases to allow proper seating of 300 grain cast and jacketed bullets and see what the .444 would really deliver.

The Real Powerhouse

Now we come to the real powerhouse of the Century line and the cartridge mentioned in the beginning of this piece. The old black powder .50-70 Government cartridge that pre-dates the .45-70 actually delivers over 1400 fps with a 525 grain bullet!

Majors tells me they have regularly shot 450 grain bullets to 1800 fps from The Mother Load.

In looking for bullets for the biggest of the big, I came across the RCBS #50-515 FN and a quick call to Jay Postman at RCBS brought a mold and .512" sizer. With my alloy of three parts lead to four parts type metal, these dropped from the mold at 525 grains. Huge!

I do believe the .50-70 is actually more accurate than the .45-70 as all loads printed excellent groups, especially in light of the fact that this gun kicks. Even though it weighs six pounds, recoil of full house loads brings it rarin' right back and care must be used when it is fired off sandbags to not get hit in the head or face.

In spite of its reaction to heavy loads, the recoil is not punishing by any means, again just a large, heavy push.

Loads for the .50-70 were assembled using the top grease groove rather than the crimping groove to give a little more case capacity though I doubt that it is needed. Even the top loads show no signs of excessive pressure on primers nor do fired cases have any stickiness tendency in the cylinder.

Majors sent along a piece of one-inch bullet-proof glass that had been used as a test medium. Needless to say, it has 240 grain .44 Magnum bullets imbedded in it along with .50-70 holes all the way through it.

The Century big sixes performed as promised. The only question is how practical are they?

The huge cylinders are at the outer limits of one being able to physically turn them for loading and unloading and no one is going to fire a six pound revolver off-hand for very long.

But do all firearms have to be practical? Sixty years ago all cars were practical and all came in the same color. Look at the profusion we have now. How many people actually buy the most practical car? The Century may not be practical but it sure is a whole lot of fun.

For full information on the Century line of big sixguns, contact Century Gun Distributors, 1467 Jason Road, Dept. AH, Greenfield, IN 46140; phone 317-462-4524.



LASERS

The Ultimate System



Patent pending

Patent pending

NEW

Quick Detachable Mounts

Carry laser separately - Slip it on when needed.

Models fit most popular handguns.

Why B-SQUARE?

- 1 Maximum Visibility - 2" Pulsating Dot at 200 yards
- 2 Interchangeable Mounting



- 3 B-SQUARE Strength and Reliability

- Advanced "Pulsed" Circuitry
- Upgradable Modular Design
- Moisture Proof
- Abuse Proof Cap
- Shock/Recoil Resistant
- "Fast Feedback" Switch
- Popular Batteries

- 4 Lockable Direct Beam Aiming

- 5 B-SQUARE Lifetime Guarantee

- 6 B-SQUARE Service Hotline

1-800-433-2909

Ask Your Dealer or Call.

**SPORTSMAN'S
TEAM CHALLENGE**
Official Sponsor

B-SQUARE

AUTOPORTING

By John Taffin

Mag-na-port International, creation of world renowned handgun hunter Larry Kelly, has long been known for its porting of the barrels of hard kickin' single-action and double-action revolvers as well as big bore Thompson/Center Contenders. Many shooters would not think of using one of the big Magnums without first having the familiar trapezoidal slots cut into the barrel on both sides of the front sight. Mag-na-porting does two things for shooters of Magnum handguns—the strategically placed slots reduce muzzle rise and felt recoil.

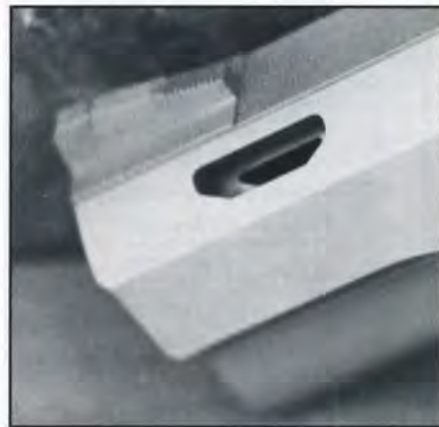
For two decades this service has been offered to both sixgunners and single-shot fanciers by Mag-na-port International.

226, Beretta, Glock etc.”

Recently, *American Handgunner* received four semi-autos for the purpose of testing the effectiveness of Autoporting. Guns that came through were a Delta Elite 10mm, Glock 9mm, a Browning 9mm Hi-Power, a Colt stainless Government Model .45 ACP, and a Smith & Wesson Model 645 .45 ACP.

Running two Brownings side-by-side, one with Autoporting and one without, I really could not ascertain any difference in the felt recoil nor the muzzle rise when using standard factory loads for the 9mm as these loads are all relatively mild. If one shoots factory ammunition exclusively, I cannot see that the porting of the 9mm gives any great advantage.

Going to my pet handloads for the



Taffin tested four "autoported" pistols (L to R) a Glock 17 9mm, Browning Hi-Power 9mm, Colt Government Model .45 ACP and a S&W 645 .45 ACP. John said he was impressed with the autoporting process for reducing muzzle rise.

However, Mag-na-porting is not simply for revolvers and single-shots; Autoporting is also provided for semi-automatic shooters.

According to their catalog, "Mag-na-port offers a unique system of porting semi-automatics by using a metering port through the barrel, and an oversize expansion vent through the slide to allow maximum dissipation without fouling. This process can be applied to any auto with a rebound spring under barrel. Examples: 1911, Browning Hi-Power, S&W 645, 6906, 39, 59, Astra, SIG P-

Browning, consisting of Sierra's 115 grain JHP at 1,300 fps using either 7.0 grains of Herco or 10.0 grains of AA#7, I do believe there is a slight advantage in using a ported gun. Enough so, if the 9mm is a carry gun, and uses warmer ammunition, that the advantage just might be enough to make a real difference in a crucial situation where quick repeat shots are necessary.

Moving up to the .45, we come to quite a different situation. The Government Model, while not a hard kicker for anyone who is experienced with the big

Magnum sixguns that roar and buck and twist, does intimidate many shooters. And while I do not find the recoil to be a problem normally, I do find that the back of my hand gets pounded by the top of the grip safety and is sore after a long string of heavy .45 loads.

Running the stainless Government Model .45 against an unported Gold Cup stainless .45, I found a significant difference with the ported compared to the unported gun. The difference in muzzle rise was just enough that I did not have the normal red mark on the back of my

Mag-Na-Port's revolutionary new porting system for autopistols!

hand after a long string of heavy loads as I was not getting hit with the top of the grip safety at all.

This was particularly true with my top end .45 ACP load consisting of Bull-X's 200 grain SWC over 7.5 grains of Unique. This is basically the old Cooper Combat Load and chronographs out at slightly over 1,030 fps.

While shooting the .45's in one session, I ran into a lady shooter who was using a standard .45 ACP Government



Trapezoidal ports are cut into both barrel and slide to vent powder gas.



In a scientific analysis, John determined that an autoported Colt didn't "ka-chunk" as much as a non-autoported pistol. Nobel Prize Committee, take note!

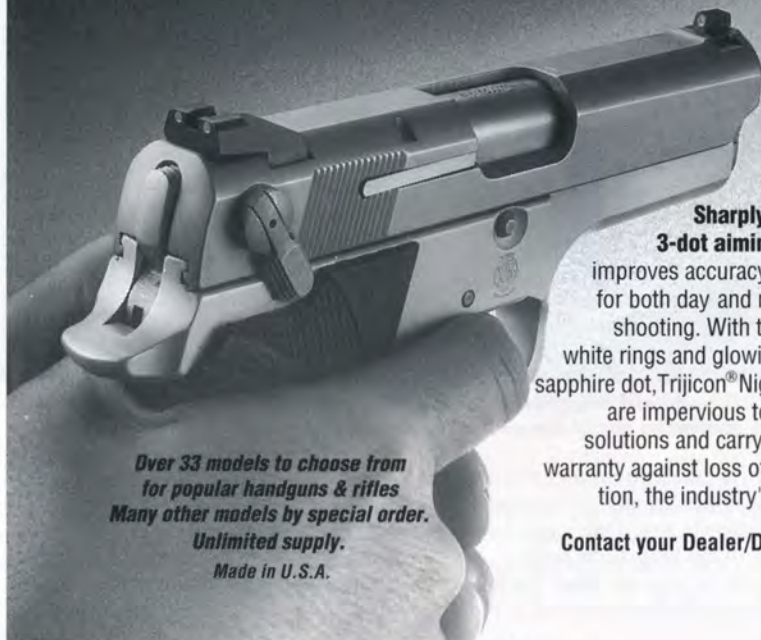
Model and I asked her if she would please help me by running the ported Colt against her .45 ACP. Using her hard-ball loads, she fired the first magazine through the ported Colt, turned around and smiling asked: "Can I try that again?" Her strictly unbiased opinion was that

it made a great difference to her and when I asked her what the difference was she replied: "This gun doesn't ka-chunk like mine!"

What she was saying was simply that she was not feeling the recoil as the slide

Continued on page 107

BRIGHT & TOUGH Trijicon® Night Sights



Over 33 models to choose from for popular handguns & rifles. Many other models by special order. Unlimited supply. Made in U.S.A.

Sharply defined, 3-dot aiming system improves accuracy potential for both day and night-time shooting. With their inlaid white rings and glowing tritium sapphire dot, Trijicon® Night Sights are impervious to cleaning solutions and carry a 10 year warranty against loss of illumination, the industry's longest.

Contact your Dealer/Distributor



Trijicon is the leading supplier to handgun manufacturers, with customers who include:

- State Police
- Federal Agencies
- Major City Police Depts.
- Military Special Forces

Also from Trijicon...

- **ACOG®** — Advanced Combat Optical Gunsight available with Bindon Aiming Concept.
- **Trijicon® Spectrum Rifle Scope** — Variable color self-luminous crosshairs for magnified any-light accuracy.
- **Armson O.E.G.®** — Red dot self-luminous binocular sight for super-fast two-eye aiming.



Trijicon, Inc. 

P.O. Box 2130 • Farmington Hills, MI 48333
(313) 553-4960



VIC COMPS

A family of compensators for the Model 1911-A1 auto pistol.

By Dave Anderson

VIC International distributes a wide range of parts and accessories for practical shooters. VIC offers a series of compensator designs, led by the imposingly named "Battle Comp C/D."

The "battle" refers to bowling pin competition such as the Second Chance match, while C/D refers to Suzan Cooper and John Dixon, for whom the comp was originally designed. Cooper used this compensator, on a gun built by pistolsmith Jerry Dove of Princeton, West Virginia, to set a women's record time in the 5-pin main event at the 1989 Second Chance.

The Battle Comp uses a full profile comp along with a cone lockup and full-length guide rod for added weight. The comp is a double chamber design; the first chamber has eight small vents to channel the expanding powder gases up and out, while the second is an angled deflection chamber design similar to the Clark Pinmaster.

It's intended to provide maximum control with the heavy loads used in pin matches. Although Cooper set her record using standard 230 grain ball from Atlanta Arms and Ammo, even heavier bullets (250-260 grains) and loads are commonly used to provide extra momentum to get those stubborn pins off the table.

The VIC "Classic" comp, made for VIC by pistolsmith Barry Mowry, has the same double chambers and cone lockup as the Battle Comp, but is a half-profile design, intended for those who want a somewhat lighter gun.

The third VIC compensator is the "Traditional", which again is a full profile model but with a single deflection cham-

ber and a standard bushing lockup instead of the cone system.

Family Of Comps

Why make more than one system? It would seem to make more sense to simply find which design gives the least amount of muzzle jump and stick with that. Unfortunately, it's not that simple.

The purpose of a compensator system is not just to reduce muzzle rise; the ultimate objective is to place hits on target in the least possible time.

Masters is a 125 grain bullet at 1,000 fps for a power factor (weight times velocity divided by 1,000) of 125.

For practical shooting competition, IPSC "major" loads must factor at least 175, and in practice most shooters give themselves a bit of a safety cushion by loading to a factor of 180-185.

Bowling pin loads are hotter still, with factors running from 210 to 240, sometimes even higher. As the power level increases, greater gun weight becomes more tolerable in return for better recoil control.



The author's 12-year-old daughter Andrea found the .45 ACP Vic Battle Comp to be easy to control in rapid fire shooting with full-power IPSC loads.

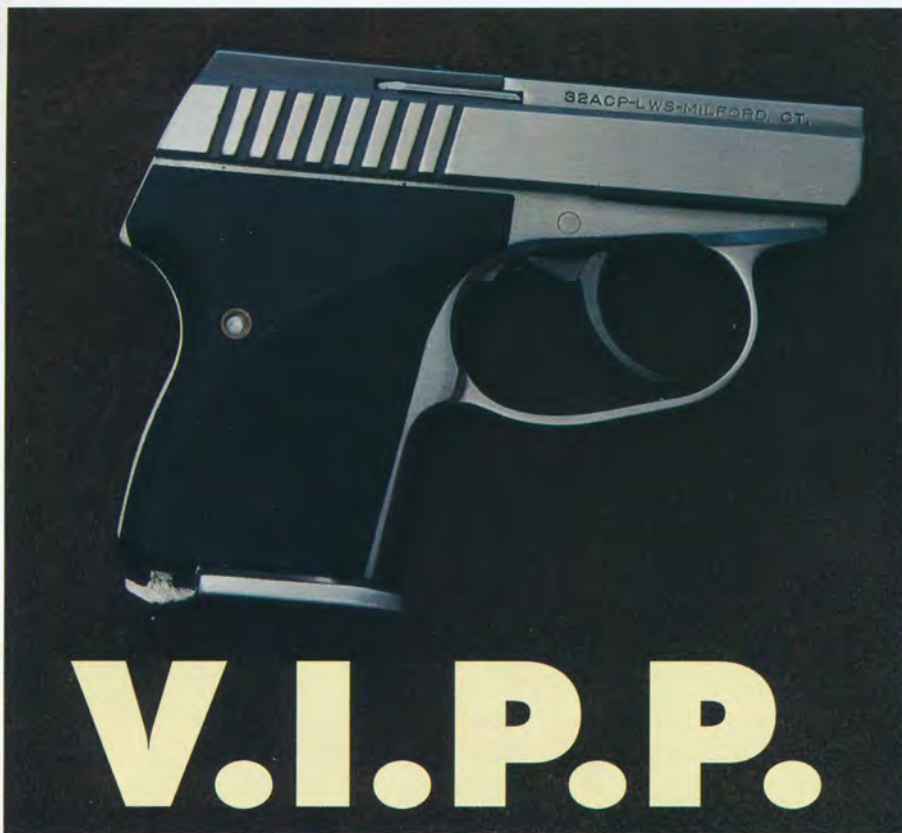
In choosing a comp there are several factors to consider besides just effectiveness in controlling muzzle rise. One variable is the power level of the loads to be used.

For example, a typical load for the Steel Challenge or the speed event at the

The nature of the shooting challenge is another factor. Still another variable is the skill level of the competitor.

A heavy gun does more than reduce recoil; it also hangs on target steadier and

Continued on page 108



**The Seecamp
.32 Auto is a
Very Important
Pocket Pistol.**

By Mark Moritz

This is a Very Important Gun. It is important all out of proportion to its size, and its caliber.

Three things make it important: its ergonomic design, its size/power efficiency, and its double-action-only operation.

Most gunfights happen in bars, or in parking lots outside of bars, between drug dealers and street punks. If you stay away from "bad" places and "bad" people, you greatly reduce your chances of being shot at.

But, reading the newspapers proves that psychopathic misfits can attack in the most mundane places. Huberty: MacDonald's. Sherrill: post office. Dann: shopping mall. Purdy: schoolyard. Pough: car loan office.

The First Rule of Gunfighting is "Have one." If you are in the burger joint or post office or shopping mall when the shooting starts, you will not have time to go home and put on your IPSC rig. If you have a gun, you literally have a fighting chance.

The Seecamp .32 is a gun you can have with you just about any time. It is the same size as most .22 and .25 pocket pistols. In winter, you cannot unbutton your coat every time you pass somebody on the street. You *can* keep your hand in your pocket, on a Seecamp .32.

In summer, you cannot wear an ankle holster with tennis shorts. You *can* carry a Seecamp .32 in the front pocket of your tennis shorts.

Jeff Cooper notes that the big advantage of pocket pistols are that they are

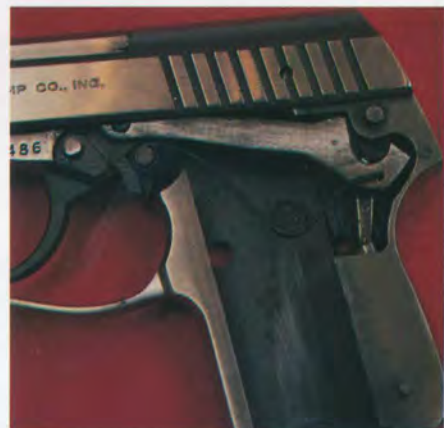


Next to a Colt .45 ACP, the little Seecamp .32 Auto is a pipsqueak. But, as the author points out, the first rule of a gunfight is "Have A Gun," and the Seecamp is a gun! At left, the Seecamp is striker fired, DA-only.

Guns. You can point one at somebody and say "Get out of here; I have a Gun."

Sometimes, that works. Stopping power formulae notwithstanding, there are occasions where a person will be so dismayed at the thought of having been shot, he will run away, even though the shot is not incapacitating.

The term "size efficiency" was coined
Continued on page 118



ZAMBIA SAFARI

The two-set video masterpiece that puts you right in the middle of one of the world's greatest adventures.



THE LUANGWA VALLEY & KAFUE FLATS

Experienced hunters Ken Wilson, Wayne Pocius and Ronnie Sparrow team up to hunt Wildebeest, Nile Crocodiles, Warthogs, and Cape Buffalo in this top "mixed bag" safari area.



THE BANGWEULU SWAMPS

This safari takes place in northern Zambia, east of Lake Bangweulu. Wayne Pocius and Ronnie Sparrow hunt the Oriibi, Tsessebe, Black Lechwe, and finally the Zambezi Sitatunga, the legendary aquatic antelope that lives in the swamps.

Sportsmen on Film presents

AFRICAN BIG GAME HUNTING VIDEOS

THE PETER CAPSTICK AFRICAN SERIES

You know him as the best-selling hunting author in the world, starting with "Death in the Long Grass." Now Capstick comes to life on your television and you'll want to watch again and again.



BOTSWANA SAFARI

This is the definitive video on safari that will give you Capstick's inimitable insights on what to wear, what rifles to take, the use of the hunting vehicle, hunting strategies for the various species, what a safari camp is like, and what logistical problems are encountered.



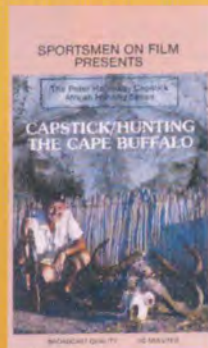
HUNTING THE AFRICAN LION

Capstick describes the dangers, explains what can happen when things go wrong, and then, along with Cundill and Wilson, Capstick shows you the strategy and excitement of hunting the African Lion.



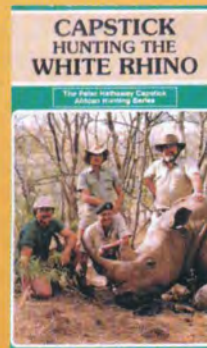
HUNTING THE AFRICAN ELEPHANT

As a government officer, Capstick had personally shot over 800 elephants, but he had not sport hunted a trophy bull Elephant on his own license until this safari in the Bushman area of Namibia.



HUNTING THE CAPE BUFFALO

Find out what it's like to track herd after herd of Cape Buffalo in the limited visibility of the heavy mopane scrub and terminalia of the Chobe region of northern Botswana.



HUNTING THE WHITE RHINO

Capstick first describes the history of the Rhinoceros. Then, over the course of a week, 9 Rhinos are stalked before the hunters decide on which one to try for. The one they take is a loner Bull that has been seen in the valley for over 25 years.

DETACH AND MAIL COUPON

YES! I want to order. Please send me the following video(s) at \$29.95 each, plus \$3.00 postage and handling per video. CA residents add 7% sales tax.

- QTY _____ ZAMBIA SAFARI/LUANGWA VALLEY
 _____ ZAMBIA SAFARI/BANGWEULU SWAMPS
 _____ CAPSTICK/BOTSWANA SAFARI
 _____ CAPSTICK/HUNTING THE AFRICAN LION
 _____ CAPSTICK/HUNTING THE AFRICAN ELEPHANT
 _____ CAPSTICK/HUNTING THE CAPE BUFFALO
 _____ CAPSTICK/HUNTING THE WHITE RHINO

NAME _____

ADDRESS _____

CITY/STATE/ZIP _____

Total videos ordered: _____ check/MO enclosed: \$ _____

Bill my VISA/MC card #: _____ exp. date: _____

mail coupon to: GUNS VIDEOS, DEPT. HG91A, 591 Camino de la Reina, Ste. 200 San Diego, CA 92108, or call (619) 297-8032 to place order

Italian Masterpiece

By Mickey Fowler
Photos by Ichiro Nagata

How do you spell accuracy?
B-e-r-e-t-t-a. The new Beretta
Model 89 is redefining the
standards for handgun accuracy
in a .22 LR target pistol.



Beretta U.S.A. has introduced a new 22 L.R. target pistol to the American market, designated the Model 89. This new gun is a single action semi-automatic, of straight blow back design, with exposed hammer.

The Model 89 comes with two 8-round magazines, and has ergonomic hand-filling walnut grips with a thumb rest on the left side. Target style iron sights are adjustable for both windage and elevation and interchangeable front sight blades from 1.5 mm to 2.5 mm are included.

Other features on the Model 89 are an ambidextrous safety and an attractive non-reflective flat black finish. The magazine release button is located behind the trigger guard in position to be operated with the left thumb, as is the slide release lever which holds the slide locked back after the last round is fired.

The Model 89 trigger finger contact surface is lightly grooved. Trigger width is $11/32$ " and



Beretta
dal 1526

PIETRO BERETTA GA

CAT. 4343



an overtravel adjustment screw is installed at the top of the trigger. The trigger stop is adjusted with a supplied Allen wrench.

The barrel and sight assembly are one piece and only the slide moves when the pistol is fired, like a Model 41 Smith. This pistol comes boxed in a rugged plastic carrying case which holds the extra magazine, take down wrenches and other accessories.

At 40 ounces, with a grip angle and controls similar to many full-size, single action, service auto pistols, it is easy for someone who has done some shooting with the large bore guns to adapt and feel at home with the Model 89.

Take down of the Model 89, for cleaning, is accomplished by loosening the two Allen bolts on the underlug one-quarter turn, then loosening the counterweight slide adjusting screw below the muzzle half a turn. The barrel assembly then slides straight off the underlug.



Mickey Fowler was particularly impressed with the Beretta's sights.

The Model 89 retails for \$685. Fit and finish are up to the quality standards the buyer would expect to see on a pistol in this price range.

1911 Style

I have spent many years shooting Model 1911 type pistols so I immediately liked the position of the thumb safety, magazine release button and slide release. They are all easily operated.

I must qualify that last statement in regard to the magazine release button. Due to the large target-style grips with the thumb rest, it is not possible to press the button with the thumb. Careful use of a file



on the left grip panel would remedy this problem for someone who wants to do IPSC-type quick magazine changes.

I found the adjustable iron sights to be excellent. The rear sight blade is broad with a non-glare finish and the notch is cut square at the correct width to match up with the different size front sights which are included.

Field testing was started by zeroing the pistol to place its bullets point of aim at 50 yards. Federal Hi Velocity 22

L.R. was used.

I live on a ranch in the foothills of central California. We have huge populations

of ground squirrels. If the little rodents are not thinned out on a regular basis they can destroy a good piece of grazing land. This is a good way to test the small game hunting potential of any gun.

The Beretta 89 accounted for over 200 squirrels in one afternoon's shooting. No malfunction of any kind occurred. I especially liked the very clear sight picture which made clean kills possible out to 50 yards.

Over the next few days, a full brick of Federal ammo was expended hunting more small game and also shooting The Masters' Precision Event targets. Once again, no malfunctions occurred.

Accuracy Testing

Accuracy testing was done at 50 yards. In order to do a serious test of a pistol's capabilities, I feel it is necessary to use a machine rest. Unfortunately, I didn't have access to the correct grip inserts for the Ransom Rest.

The next best thing to the machine

rest is to install an optical sight and shoot over sandbags. A call to Beretta U.S.A. was made and I received approval to drill and tap two holes on the top of the frame. I installed a Weaver base and one of the new Aimpoint 5000 electronic red hot sights. This new 30mm sight really brings out the accuracy potential of any pistol.

The following group sizes were obtained at 50 yards. Three 10-shot groups were fired with each round of ammo:

Federal Hi Velocity	1 3/4"
RWS R50	1 1/2"
CCT Green Tag	1 7/8"
Winchester Silhouette	2 5/8"
C.C.I. Pistol Match	1 13/16"



This is excellent accuracy for a stock out-of-the-box pistol of this type. In fact, this is about as good as some of the full-race European target pistols which cost up to twice as much as the Beretta.

Mickey's Advice

Trigger pull on the test gun is heavier than I like. This is understandable on a production pistol. But, it is crisp and has

an adjustable overtravel stop.

I would like to see Beretta come up with a device which would allow the shooter to dry fire the Model 89 without damaging it. Dry firing is an absolute necessity for developing good trigger control. Many gun manufacturers seem to over look this fact.

For many years, rifles have come from the factory drilled and tapped for scope mounts. The time has come for pistols to come from the factory ready to mount a scope or red dot sight.

A pistol with the superb accuracy potential of the Model 89 really comes



The Beretta's trigger is adjustable for over-travel, but lacks the multi-angle, multi-position trigger adjustments of such exotic target pistols as the Walther, FAS and Hammerli. Below, the Beretta has interchangeable front sights and a thumb safety in the same position as the author's beloved 1911. Left, Mickey gave the Beretta a thorough workout on The Masters Precision Event targets. People have referred to these targets as aspirin tablets— now you see why!



into its own with the addition of an Aimpoint or other optical sight. By simply drilling and tapping the holes at the factory and supplying a Weaver type base, the buyer is saved the time, money and inconvenience of going to a gunsmith.

I fired over 1,500 rounds with different brands of 22 LR ammo in the Beretta tack-driver. I never had one malfunction of any kind. The new Beretta impressed

me with its exceptional accuracy and user friendly controls.

Out of the box it is ready to go small game hunting. With some trigger work and the addition of an Aimpoint it would be an excellent pistol for use in the N.S.S.F. Chevy Truck Challenge or possibly the Masters' Precision Event. My overall impression of the Beretta Model 89 is very favorable.





Mickey Fowler is the only three-time Bianchi Cup champion in the prestigious match's history (1979, 1980, 1981). He is the 1979 IPSC United States National Champion and won the Steel Challenge in the same year. He and Rob Leatham are the only two shooters to ever complete handgunning's Triple Crown in a single year (winning the IPSC Nationals,

the Steel Challenge and the Bianchi Cup). He still holds several records in the Southwest Pistol League which he dominated for years until his recent retirement from active competition. Mickey is a Combat Master and has recently re-entered the world of professional pistol competition by shooting the Bianchi Cup, The Masters and Buck Masters.

Der Luger

Restoration expert John Lawson puts the luster back in this German classic!



By Cameron Hopkins
Photos by Ichiro Nagata

If a gun can be sexy, it's the Luger. There's something almost sensual in the shapely curves of this sleek, seductive pistol. But this lady's charm entices you with a fatal attraction.

The German 9mm Parabellum Model 1908 pistol is more affectionately known as simply the Luger. Those who love the Luger pamper her idiosyncrasies— she's a bit finicky about dirt— and she responds by enchanting her admirer with





a most deadly performance indeed.

The epochal Luger was the first successful semi-automatic pistol designed for military purposes—killing enemy soldiers. The “Parabellum” designation for the Luger’s 9mm cartridge translates from the Latin “for war,” deriving from the quotation *Si vis pacem parabellum*. “If you desire peace, prepare for war.”

Luger vs. Mauser

During the 1890s, the Kaiser’s high command realized that the existing service revolvers were degenerating into obsolescence. As early as 1891, tests were underway in Prussia to assess the merits of “repeating pistols.”

The principal contender was the *Mauser-Selbstladepistole C-96* chambered for the .30 Mauser cartridge. This ungainly gun is best known today as the Broomhandle Mauser, but at the time no one was jeering at its peculiar shape. It was a radical improvement over the wheelgun and, at the time, was considered every bit as racy as an Aimpoint-sighted .40 S&W combat pistol is today.

Its inventor, Peter Paul Mauser, was on a roll—two years later his phenomenal ‘98 Mauser rifle would revolutionize bolt-action design for the next century.

However, the C-96 Broomhandle did not live up to its early promise. The results of an extended field trial of this new-fangled pistol were reported in February, 1901. “So many malfunctions had occurred, the commission confided, that the troops would rapidly lose confidence in the guns were they to be issued in quantity,” said John Walter in his definitive reference work, *The Luger Book*.

An embarrassed Mauser was ordered to resubmit modified guns with no more feeding problems and also a version with a shorter barrel and reduced weight for officers. However, Mauser now had a serious rival in the race to equip the Kaiser’s army with a semi-automatic pistol. Georg Luger had been waiting on the sidelines since 1900 with his Borchardt-Luger pistol and when the chance came, he pounced.

It was quickly apparent that the Luger pistol was the better design—lighter, handier, more reliable, more accurate. Still, there were i’s to dot and t’s to cross before the German high command finally gave the nod to Luger after the third series of tests ended in 1903.

By 1904 the German Navy had adopted the Luger and the rest of the Imperial Forces followed suit when Kaiser Wilhelm II signed the formal order to adopt the Luger on August 22, 1908.

It was a triumphant year for Georg Luger that will always be memorialized in the gun that bears this significant date as the *Pistole 1908* or, as it is generically known today, P-08.

9mm Parabellum

Along the way, the pistol’s ammunition changed from the .30 Luger (7.65mm



Parabellum) caliber to the 9mm Parabellum.

“Luger developed his cartridge—the widest distributed pistol cartridge of all time—in response to the German army’s worries about the ‘stopping power’ inherent in the 7.65mm Parabellum. By providing a heavier, larger-diameter bullet propelled at comparable velocity, Luger affected sufficient improvement to satisfy experts from the *Gewehr-Prüfungs-*

Kommission,” Walter said.

This was easy. Luger simply cut the neck off the .30 Luger case, a bottle-necked design, and presto-chango there was the 9mm Parabellum.

The round was loaded with a truncated-cone bullet originally, but was changed to a jacketed ball round in 1916 in compliance with the Hague Convention that banned flat-point bullets. It weighed from 115 to 123 grains.

The Toggle Action: How It Works

The toggle action was the brainchild of Hiram Maxim, the firearms genius best known for his Maxim machinegun. Likened to the human knee joint, a toggle action pivots only one way and is supported from breaking by lateral movement.

Hugo Borchardt and Georg Luger both relied upon the toggle action in their pistol designs, the Ludwig Louwe-Borchardt and the DWM P-08 Luger.

A toggle action functions on the “recoil-operated” principle. The receiver is propelled backward by the cartridge’s recoil which causes the breechblock to break the toggle-joint by pushing it upward until the axis of the toggle-joint’s cross pin lies just above line of thrust (bore line). This occurs after residual chamber pressure has dropped virtually to zero.

The toggle-joint then continues upward, propelled by momentum imparted to it by the receiver. The receiver is then halted by a stop mounted in the frame.

As the toggle-joint rises, it pulls with it the breechblock from the breechface thus extracting the spent cartridge which is flung clear by a fixed ejector.

The mainspring in the backstrap of the frame returns the toggle-joint, breechblock and receiver back forward again, stripping a fresh round from the magazine and chambering it. Lock-up is achieved when the mainspring has forced the axis of the toggle-joint crosspin below the axis of the bore.

The striker has been recocked and the sear set. The toggle-action semi-automatic Luger pistol is ready to fire again by pressing the trigger.





(Some may find it ironic that the very same 9mm Luger cartridge which is maligned today as a "mouse gun" compared to the "man-stopping" .45 ACP was itself considered a "big bore" to replace the anemic .30 Luger!)

Two Types Of Lugers

There are two types of Lugers, "shooters" and "collectors." Since the Luger was first adopted by a military service (the Swiss army in 1900), there have been a total of at least two million Lugers manufactured and quite probably many more, according to *Small Arms Of The World*.

It is quite beyond the scope of this article to address the minutia of detail and trivia that interests a serious Luger collec-

tor, but suffice it to say that collecting Lugers is a lively activity.

I have here on my desk as I write this a reference book called *The World Of Lugers* by Sam Costanzo which is a 432 page coffee-table-sized book devoted exclusively to proof marks! Page after page after page of funny little symbols, all of which are no doubt fascinating to a Luger collector.

So let's don't get stuck in the esoteric world of collector-grade Lugers. They can range in price from an eye-popping \$20,000 for an 1898-1899 Borchardt-Luger "transitional model" (only 10 were manufactured) to a modest \$2,700 for a clean 1908 Navy, six-inch barrel.

As far as "shooters" are concerned, you can find a decent Luger in the \$450 to \$600 ballpark, but even at that the pistol might not be safe to fire. If it is, it may not function very well.

Besides that, unless you pay collector prices for a mint condition Luger, you won't get one that comes anywhere close to resembling the lovely finish of those immaculately made German Lugers.

No, if you want a good "shooter," a Luger that is both functionally and cosmetically sound, then you should seek the services of a gunsmith who specializes in restoring Lugers.

Restoration Expert

To recondition a Luger to original German military specifications takes a dedicated expert with the necessary experience to know the many idiosyncrasies both of the Luger's complex mechanism and its many variations. Such an expert is John G. Lawson, 61-year-old master gunsmith of Tacoma, Wash., and Pistolsmithing Editor of *American Handgunner*.



Genuine P-08

Mauser-Werke, the famous German gunmaker nestled in the Black Forest of Bavaria, continues its legacy of beautifully crafted firearms today. Mauser was one of the original manufacturers of the P-08 Parabellum pistol, and you can still buy an original P-08 from Mauser.

A basic blue four-inch P-08 retails for \$2,995; a Navy Model with a six-inch barrel is the same price. Artillery Models are elaborately engraved and start at \$6,000.

For a color catalog on the Mauser line of P-08 pistols, write to Davidson's Supply Co., Dept. AH, 6100 Wilkenson Dr., Prescott, AZ 86301.

Stainless Steel P-08

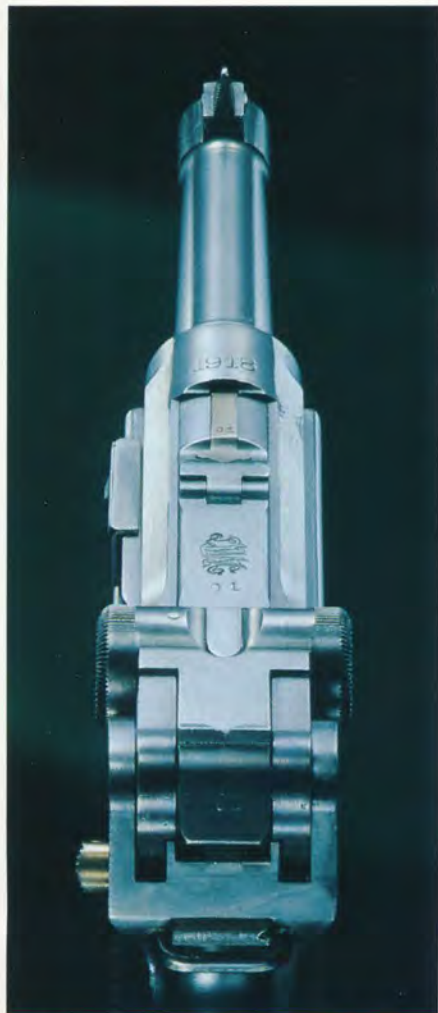
The newest name in Parabellums is Mitchell Arms, a California manufacturer that displayed a stainless steel P-08 at the 1991 SHOT Show.

According to a Mitchell Arms press release, "Eighty-three years after its first real introduction by George Luger, the famous 'German Luger' is re-introduced to the world market in its American Eagle version and, for the first time in its legendary history, it is being produced in stainless steel.

"All normal Luger features are retained. The pistol is one of the most natural pointing pistols ever created, resting in the hand naturally. Its design is still modern having features envied still by others.

"Its extractor forms a loaded chamber indicator, it assembles and disassembles without tools and its only screws (two) serve to hold the grip panels in place!"





John's column has appeared in this magazine since 1982 and he has been a gunsmith since 1946. Concentrating on pistols has always been John Lawson's first love: "Everyone told me it was stupid to specialize in handguns, but it's always been my major interest," allowed the soft-spoken Luger man.

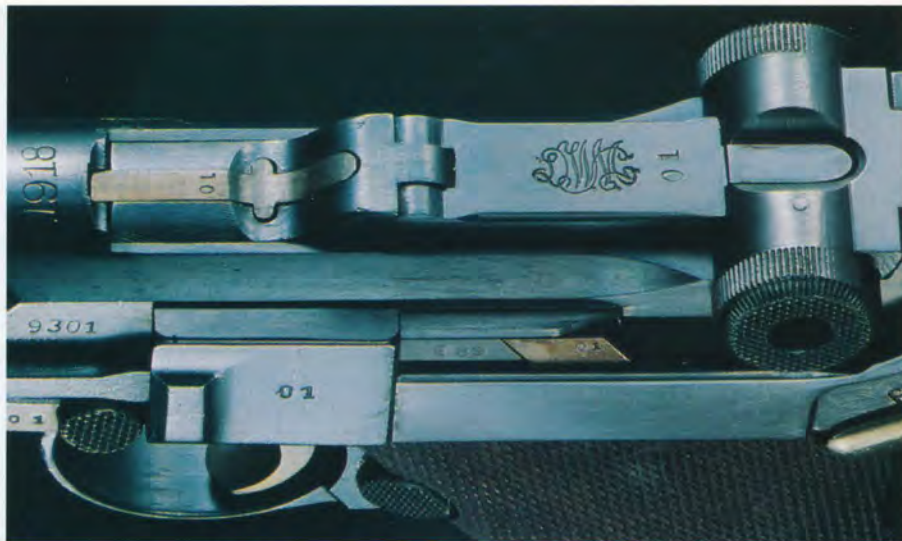
John explained what to look for in a basic P-08 suitable for restoration: "The genre is called the 1920 Commercial and it's anything that was sold commercially during the Twenties. It's usually stamped *Germany* somewhere on it.

"It might include some of the more desirable World War I service guns that are not so interesting to collectors. Any of those guns will make a shooter. Almost any other Luger that was made is a collectors item."

A good supply of surplus Lugers still floats around out there in Used Gun Land, being swapped and dickered-over at gunshows the world over. But many specimens that look good on a show table may be missing parts.

Buying a used Luger for the purpose of restoration is not like picking up a surplus 1911 Government Model where there are oodles of parts available. Says John Lawson: "Parts are exceedingly hard to find today. I've had a little tiny sear spring on order for going on a year now.

"Take the gun you've got there (for



The Luger's toggle is stamped DWM for Deutsche Waffen-und Munitionsfabriken which was one of the major manufacturers of Lugers. Note the matching 01 number on the toggle, sideplate, breech and frame. The two joints in the toggle action can be seen to the left and right of the DWM logo.

Meet John Lawson

Don't dry fire a Luger any more than you have to," advises the Pistol-smithing Editor of *American Handgunner*, "The parts are 10 years older than I am, and I'm as old as the hills of Ezion Gaeber."

John G. Lawson is the owner and resident pistolsmith of The Sight Shop in Tacoma, Wash., where he offers his discriminating clientele a full line of pistol-smithing services. However, the 61-year-old veteran pistolsmith specializes in combat pistol work and, of course, restoring vintage Lugers to original condition.



"I started pistolsmithing in 1946. Everyone told me it was stupid to specialize in handguns, but it's always been my major interest," John reminisced fondly.

"Since 1954 I've been a law enforcement handgun instructor, so I've had to keep current on handguns. I still train security officers, quite a few police officers and a few civilians who are licensed to carry," John explained.

When John went into the gunsmithing profession at the end of World War II, the rage was converting military rifles to hunting and target rifles. "Sporterizing" it was called.

"Around here the big industry was converting Springfields, 98 Mausers and Enfields. I did a certain amount of sight mountings on rifles—I still have all my fixtures—but I always would have rather worked on handguns. Today I only work on rifles for a friend if he really twists my arm," John said.

And what handguns does John like to work on most?

"I do more Government Models than anything else," the member of the Guild Of Master Craftsman allowed, "I've always specialized in street guns.

"I've made competition guns too, but mostly street guns. I made Mas Ayoob the first Combat Commander that was used in IPSC competition with a five-inch barrel that Larry Kelly Mag-Na-Ported. He was quite a competitor in his time," concluded our Pistol-smithing Editor about our Law Enforcement Editor when Ayoob was actively competing in IPSC in the late Seventies.

John Lawson is among the few pistolsmiths in America who is a member of the elite Guild Of Master Craftsman which was founded in the Middle Ages.



Milquetoast 9mm

American-made 9mm ammunition is the milquetoast of the Parabellum world. Contrary to popular belief, John Lawson pointed out that American-made 9mm ammunition is actually relatively weak—intentionally down-loaded—rather than European-made 9mm being relatively “hot.”

The so-called “NATO” or “submachine gun load” is nonsense, Lawson asserts.

What happened, explained the savvy pistolsmith, was that US soldiers brought back hundreds of shoddy Italian-made Glisenti pistols after World War I which quickly proved too feeble to handle 9mm Parabellum ammunition.

Designed to handle the 9mm Parabellum case with a two-thirds powder charge only, the Glisenti pistols were blowing up at an alarming number with full-power 9mm ammo. “It was a well-made pistol, but it was made for the .380 or 9mm Kurtz. It wouldn’t hold much more than blow-back pressures,” John explained.

“American 9mm factory rounds are down-loaded for the person who tries to use them in a Glisenti pistol,” Lawson continued, “If you get some hot factory rounds, you can tell what the Luger is capable of with the standard four-inch barrel!”

Today, most people regard European-made 9mm as a tad on the warm side. Some people call it “NATO-spec 9mm,” but in fact it is nothing more than 9mm ammunition made to the original 1900 specifications laid out by Georg Luger.

Similarly, some shooters today refer to Israeli-made 9mm as being specially designed for the Uzi submachinegun, but in fact the so-called “submachinegun 9mm” is just standard 1900-era 9mm ammunition.

When Is A Luger Not A Luger

Luger is a registered trademark in the United States belonging to Stoeger Arms. Stoeger is a major importer of fine firearms such as the Sako and Tikka lines of rifles from Finland and the Llama line of handguns from Spain.

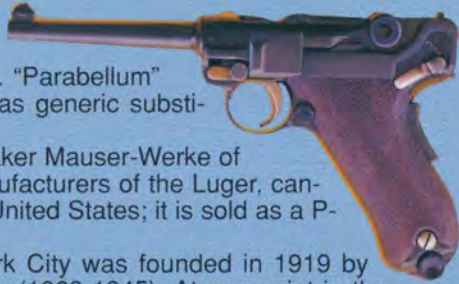
Only Stoeger has the right to the name Luger, anyone else making Georg Luger's epochal pistol has to call it something else. "Parabellum" and "P-08" have both been used as generic substitutes in the past.

Even the famed German gunmaker Mauser-Werke of Oberndorf, one of the original manufacturers of the Luger, cannot call their Luger a Luger in the United States; it is sold as a P-08 Parabellum.

A.F. Stoeger & Co. of New York City was founded in 1919 by Austrian born Alexander F. Stoeger (1863-1945). At one point in the company's long history, they marketed a product called "Stoegerol" which was a lubricant that the salesman claimed was so fantastic that it could be used both as a preservative and an analgesic!

In 1922, BKIW, the commercial arm of Deutsche Waffen und Munitionsfabriken (DWM), appointed Stoeger as sole agent for the Luger pistol. This prompted a legal spat with Hugo Panzer & Co., but it was resolved in favor of Stoeger.

In 1929, Stoeger registered the name "Luger" in the United States to prevent its use by rival distributors. The registered trademark remains valid today.



this article)," John continued, "It's the result of tearing down three guns to make that one."

So if you want to buy a Luger for John to restore, it would probably be best to let him find you a suitable one.

"If a customer wants one, I go to a

top-flight Luger collector and get a good gun. Of course we're talking serious money here—six hundred bucks or so," John advised.

Luger Reconditioning

Carefully inspecting the base gun is

the first thing that John does when he reconditions a Luger like it had just been packed in sealing grease at a German factory 70 years ago.

"The first thing is make certain there are no surprises! Next, I determine if everything is functional," John explained, "I strip the weapon down and see if the parts match. Quite often the 1920's guns were made from mismatched parts. You get some excellent ones and you get some that are barely functional."

At this point, John's practiced eye sorts over the inner workings of the Luger destined to be restored and determines which, if any, need to be replaced. "There are several different parts suppliers. Most collectors have an inventory of parts and can give you what you want. But you truly pay for them!" John said.

Once any broken or mismatched parts have been replaced, John routinely installs new springs. It is at this point that a new barrel, like the "Super Artillery" barrel shown in Ichiro Nagata's accompanying photographs, may be installed.

Finally, John assembles the Luger and test fires it.

Slow Rust Blue

Once he is satisfied that the toggle-action pistol is functioning properly,

Continued on page 92



Guns Of The

IRS

After carefully auditing the field, the IRS has cashiered its .38 revolver and switched to SIG's 9mm pistol.

By Loren Franck



It's been said that two things in life are certain—death and taxes. Okay, so there's a third—the Internal Revenue Service. Since you pay taxes, you know all about the IRS.

But you probably don't know that—for once—the IRS has done something right. Many handgunners are applauding the agency's recent switch from .38-caliber revolvers to high-capacity, double-action 9mm semiautomatics.

Most major law enforcement agencies now at least offer the option of automatics. With other departments, semi-automatics are mandatory. And for good reason. They're the trend-setting weapons for the '90s.

Yet, despite the recent trend in law enforcement away from wheelguns and toward Wondernines, all has not been roses for IRS agents who have made the change. The new autopistols brought IRS shooters a unique set of challenges that

In a mock car stop, agents are trained to stay low and use cover effectively.

weren't faced when the standard-issue handgun was a .38.

An Elite Force

Compared to the many police officers serving in America's large cities, IRS Inspectors and Special Agents are rare. For example, in the IRS Western Office

of Regional Inspector, Internal Security Division, there are only about 60 agents. This Western Region covers the three West Coast states plus Idaho, Nevada, Alaska and Hawaii.

What do IRS agents do? True, they're federal agents—cops—but in a restricted sense. As Inspector John Rabatin



Inspector David L. Jorgensen clears a stovepipe jam on his SIG P-226. Even though malfunctions are virtually non-existent with the Swiss 9mm, agents are nonetheless trained in the proper handling of jams.

explains, "Internal Security Inspectors deal with threats, bribes and impersonations regarding IRS personnel.

"There are also Special Agents in the Criminal Investigation Division, which is much larger than Internal Security. They investigate tax fraud, money laundering and that sort of thing. Nationwide there are about 500 Internal Security agents and about 3,000 Special Agents."

But despite being an elite force, the need for a more powerful, higher capacity weapon was there. And fortunately, IRS agents got it.

Why The Change?

Certainly, pistols aren't new. IRS officials in Washington, D.C. realized that. And given the right magazine, a pistol can easily muster more ammunition capacity than a revolver. The IRS knew that too.

What was new to IRS officials, however, were the needs of their Inspectors and Special Agents in the field. Police now confront an escalating degree of deadly force on the street.

Put simply, bad guys are better armed than ever before. Their firearms are more powerful and can hold more ammo. That was the obvious reason for the switch.

But there was perhaps a more important reason, says veteran IRS Inspector David L. Jorgensen: The agents liked the new guns.

"Initially, the agency sent out a questionnaire asking how many people wanted to change from revolvers to semiauto-



Special Agent Ken Harper prepares to reload while keeping his weapon at eye-level. If danger presents itself during a reload, the agent can re-engage the target even with the magazine out, a tactical advantage.

matics," Jorgensen explains.

"We in the Western Region had an opportunity to go to Fort Ord army base in northern California, and the regional representative from SIG brought several of their pistols there. Everybody in the region had a chance to fire the SIG. Smith & Wesson and Ruger were also represented. After experiencing these different semiautomatics, the whole region unanimously said they wanted to make the transition."

Which Wondernine?

After careful consideration, it was decided the agents would be issued the SIG 226 or 228. Agents had hoped they could have made that choice themselves, but it wasn't to be. The final decision rested in Washington.

"When the agency first started talking about converting to semi-automatics, I found out about the SIG," Jorgensen recalls. "Of course, our national firearms board already knew about it, and eventually, people in the different regions were asked what they thought."

Jorgensen went for it. When the SIG was compared with the other semi-autos tested, it proved to be a great weapon—the 9mm that should become standard issue. He recommended the SIG to officials in Washington, explained why the agency should adopt it, and they agreed.

Actually, it came down to the SIG or the Glock. During this time, Inspectors were sending as much information as they could to Washington regarding 9mm's. Other agencies had already chosen the SIG, while a select few agencies had gone with the Glock. SIG was the obvious choice.

"Therefore," Jorgensen says, "The issue for Internal Security nationwide is the SIG 226 or 228. We also have a few Smith & Wesson 6906's for personnel who require a smaller weapon. Our Criminal Investigation is still testing to see which 9mm it will adopt nationwide. However, many of their Special Agents are already using the new guns.

"Because we were the first region to get the pistols, our order went in for 226's. But when the 228 became available, Washington decided to purchase 228's from that time forward. The 228 is now much more common than the 226."

Rabatin was already well versed in semi-automatics when Washington announced the switchover. His favorite personal firearm was—and still is—his Government Model Series 70 Colt .45 automatic.

Rabatin also had ample hands-on experience with 9mm pistols before the change and was already aware of the increased firepower and other benefits the SIG would offer. He was sold too.

"I was anxious to get the new weapons and get started with them," Rabatin explains. "I wanted to get the added firepower and be

Continued on page 84



Brownells Handgun Tools And Accessories Catalog

The Brownells catalog is a must for anyone in the handgun or rifle repair and modification trade as well as those garage tinkerers. The 28 page booklet profiles 1,400 tools, custom accessories and replacement parts, with 90 new additions for 1991. Contact Brownells at Dept AH, Rt 2, Box 1, Montezuma, IA 50171, Tel. 515-623-5401.



Bianchi Desert Camo

Bianchi International is now offering a desert camo pattern on a variety of products. The 100% nylon fabric will be featured on the Universal Military Holster pictured above, mag pouches, Ranger belts, packs, duffel bags and more. For details see your local dealer, or contact Bianchi at 100 Calle Cortez, Dept. AH, Temecula, CA 92390, Tel. 714-676-5621.



S&W Mag Pads

C.P. Bullets now has colorful Super Tuff™ mag pads for Smith and Wesson Autos. Keep your different loads color coded, insure proper seating and avoid pinched palms. Mag Pads are also available for 1911-style pistols. For more information on these and other C.P. products, including their custom match bullets, contact them at 1814 Mearns Rd., Dept. AH, Warminster, PA 18974.



Radical Grips™

R.J. Renner Co. introduces a new line of wrap-around sport grips to add some color to your 1911-style pistol. The pebble-textured thermo-plastic rubber grips also feature gold medallion insets with the Radical Grip™ palm tree and sunset logo. Way cool, and only \$19.95. For more information, contact R.J. Renner Co. at 8774 Sepulveda Blvd., Suite 1 Dept AH, Sepulveda, CA 91343.



E-Z Mount

The E-Z Mount from R&R Accessories makes mounting scopes, red dot optics, and lasers on rifles, pistols and shotguns quick and easy. A core block fits over the barrel, and the frame and rail then tighten on it with hex screws. The existing sights can remain in place and functional. Accepts Weaver-type rings. For details contact R&R Accessories, Dept AH, P.O. Box 240, Hope RI 02831-0240.



Ruger Mk II Grips

M.R. Turner Customs has introduced an orthopedic wrap-around grip for the Mk II pistol. The grip features finger grooves and stippling, and is available in walnut, butternut, and cherry. Currently available in medium size only, but other sizes will be out soon. Contact M.R. Turner Customs, Dept AH, P.O. Box 76, Mt. Pleasant ARE 72561 or Volquartsen Custom, Rt 1, Carrol IA 51401.



\$129.95

New Timer From PACT

The official timer of Springfield Armory's 1991 Canadian IPSC National Championship

A Timer for Matches

The PACT Championship Timer is the best training timer in the world. That's why the world's top professional shooters choose it for their vital practice sessions. However, it is something of an "over kill" for timing a match.

You Talk We Listen

As a club grows it's faced with the problem of needing several timers going at once to move shooters through the match at a reasonable pace. Many of our customers have asked us to provide a "minimum configuration" timer that could accurately time shooters but was inexpensive enough to allow a club to purchase several of them.

What's it do?

In order to accurately record a shooter's time the RO **must** be sure that the timer heard the correct number of shots, otherwise he doesn't know what he's writing down. The PACT Club Timer™ uses our **copyrighted user interface** to automatically alternate between the shot number and time. This allows the RO to confirm at a glance, no button pushing required, that the time recorded is correct.

The Club Timer contains the usual **trick software** that you've come to expect from PACT: **No limit** to the number of shots recorded. Unlike other timers that "lock" when the

memory fills, the Club Timer will automatically **replace the last shot** in memory with the last shot fired. 199.99 second time limit. **Instant or delayed go**, status line tells you what mode it's in. Auto Sense **stop plate** jack allows you to use normally open, closed or momentary switches. The Club Timer won't let you start a run unless the plate is set back up. Optional **print driver** lets you make a **hard copy** of the shooter's time eliminating recording errors.

Trade up to a MKill

The Club Timer is designed for running matches, and lacks the features we consider essential for training. Nevertheless, for the individual who is just getting his feet wet in competitive shooting and finds himself attracted to the Club Timer **we'll make you a deal**. We'll give you a **\$75 trade in allowance** on your Club Timer if you trade up to a Championship Timer within 90 days from the date of purchase.

30 Day Money Back Guarantee & Lifetime Warranty

As with all our products, we designed the Club Timer, we build it, and we sell it factory direct to you. **We take full responsibility for your satisfaction**. If you are not 100% satisfied with any PACT product, return it to us undamaged within 30 days, and we will refund your money.

The Club Timer also features a real **simple repair policy**. If it breaks due to a defective part or faulty workmanship we'll **fix it free**. If you break it we will fix it for no cost. No hassles and no questions asked.

Quantity discount package available for USPSA affiliated clubs.

Order today
TOLL FREE . . . 800 PACT INC
(in Texas 214-641-0049)
FAX 214-641-2641

By Phone: We are happy to answer your questions and take your order. We accept Dept. PO's, VISA, MC and COD* orders.

PACT Club Timer	\$129.95
Print Driver (installed in timer)	\$ 14.95
Carrying Case for Timer	\$ 14.95
Battery Powered Printer	\$125.00
Extra Printer Paper (6 rolls)	\$ 12.00

*Shipping & Insurance \$5.50 UPS Ground/\$10 UPS 2nd Air. Bank service charge VISA/MC. COD fee \$3.75. Texas residents please add appropriate sales tax. **Brochure available.**

PACT

P.O. Box 535025
Grand Prairie, TX 75053

IPSC

Continued from page 49

bigger lots as well. Serious IPSC shooters think in thousands: thousands of bullets, thousands of primers, and of course, thousands of dollars.

Custom S&W Pistols

The Smith & Wesson Performance Center is building limited runs of several custom handguns for exclusive distribution by the Lew Horton Distributing Co.



Lew Horton's custom .40 S&W from Paul Liebenberg.

The line includes two autos based on the Model 4006, with a number of custom features: special oversize slides with fitted slide/frame rails, match grade barrels

with a new spherical barrel bushing, low-mount Novak rear sight and interchangeable front sight, custom trigger job, and a handsomely polished appearance.

The two models are the Tactical Pistol and the Comp .40, with a single expansion chamber comp. Both, of course, are in .40 S&W with 11-round magazine capacity. For more information write Lew Horton, 15 Walkup Dr., Dept. AH, Westboro, MA 01581, phone: (508)366-7400

Wilson Goodies

Bill Wilson has added a scope mount base for 1911 autopistols to his big catalogue

of custom handgun accessories. This lightweight base bolts to the forward extension of the frame (gunsmith installation required) and accepts standard Weaver-type rings. Suggested retail is \$99.95.

A new big-capacity 1911 style frame is in the prototype stage

and should be ready by the fall of 1991.

Wilson's new book, *The Combat Auto*, should be in print by the time you read this. Edited by Cameron Hopkins, this

book is a complete guide to modifying and customizing the 1911 auto for competition or self-defense. Suggested retail is \$14.95. A catalogue is available for \$3 (refundable) from Wilson's, Route 3, Box 578-A, Berryville, ARE 71616.

McCormick Frame

Chip McCormick Corp. (CMC) also has a 1911-style big capacity frame in the works. Having used CMC parts in the past, I am sure it will be both high tech and high quality. An easily attachable scope base is being designed to go with it.

All of these manufacturers are doing their best to build the products that customers want. If we believe the market, then the competition gun of the '90s is a compensated, optically sighted, 9x21 or .40 S&W autopistol holding 15 to 20 rounds of ammunition.

And to think some people say this sport isn't practical!



Shoot the American Handgunner's International IPSC Postal Match! Watch For Results In The Nov/Dec Issue!



COMBAT CORNER

SEND FOR FREE CATALOG NOW

PARTS & ACCESSORIES FOR PRACTICAL PISTOL

ED BROWN PRODUCTS

Beavertail Grip Safety Blue.....	\$31.00
Beavertail Grip Safety SS.....	33.00
Match Commander Hammer Blue.....	35.00
Match Commander Hammer SS.....	38.00
Extended Thumb Safety Blue.....	29.00
Extended Thumb Safety SS.....	31.00
Ambidextrous Safety Blue.....	49.00
Ambidextrous Safety SS.....	54.00
Maxi-well Blue.....	31.00
Maxi-well SS.....	33.00



Dealer Prices on Combat Corner, Wilson, Chip McCormick, & Ed Brown Products. Send FFL.

Combat Corner Ext. Mag. Release.....	\$21.95
(SS catch body add - \$4.00)	
Combat Corner Extended Magazine Button & Screw.....	9.95
Combat Corner Quickloader Mag. Well..	6.00
Combat Corner .45 ACP Mag. Pads.....	1.50
Hill Fas-Trac Holster.....	99.00
Safariland Final Option Holster.....	85.00
Safariland #702 Dbl Idaho Pouch.....	37.00
Hill 1DM Mag. Pouch.....	38.00

ORDER BY FAX! 24 HOUR SERVICE (716) 672-4218

Hill #134 Comp. Belt.....	50.00
Breskovich Advtg. Grip System.....	55.00
Swenson Ambidextrous Safety.....	55.00
Swenson Amb. w/Thumbshield.....	80.00
Wilson #298 Beavertail Sfty (B/SS).....	35.00
King #206 Wide Spur Grip Sfty(B/SS).....	27.00
Wilson Drop-in DP-K Comp. Kit .45	250.00
Clark Pinmaster Compensator .45	270.00
Wichita Combat Rear Adjust. Sight	62.00
Bombar BMCS Rear Sight	63.00
Wilson SXE 10 RD 38 Super Mag....	29.95

Wilson #47 DE 8 RD...45ACP Mag.....	28.95
Wilson Extended Ejector #34.....	20.95
Wilson Match Quality Extractor.....	16.95
Wilson Ambi. Safety #192 B/S.....	54.00
Shooting Star Magazine .45SP.....	24.00
Shooting Star Magazine .38SP.....	29.00
McCormick Titanium Hammer.....	79.00
McCormick Titanium Firing Pin.....	26.00
McCormick Titanium Strut.....	13.50
McCormick Sear.....	20.50
McCormick Carbon Fiber Trigger.....	31.00

Smith & Alexander Mag. Well	67.95
"I Shoot Hostages" Hatpin	4.25

Check, Money Order, Mastercard, VISA & COD Orders Accepted

Phone Orders: Mon-Fri 4-10 EST

Add \$1.00 per order for shipping

NY State Residents Add 7% Sales Tax

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

Order & Payment To: Combat Corner, R.D. #1, 9518 Rt. 60, Fredonia, NY 14063

NP3

Continued from page 32

salt water, I can make anything rust, including stainless steel."

The typical engineer's measure of corrosion resistance is a salt-spray test, where they put a chunk of metal in a box, spray it continuously with salt water, and see how long it takes for rust to appear.

Blued steel has a rating of one hour of salt spray. Parkerizing is twice as rust-resistant; it has a rating of two hours. Hard chrome rates 58 hours. A typical "stainless steel" alloy, as used in firearms, can go 80 to 85 hours before showing signs of rust.

NP₃ is 500 hours by itself, but Barrkman and Ebdon apply it over a base coating of plain electroless nickel, to raise it to 1,000 hours!

Now maybe an engineer won't call that "rust-proof," but it seems to me you would have to really work at getting an NP₃-finished gun to rust.

If you are really serious about rust-proofing, if you work with the Coast Guard and you live on a houseboat, then get a stainless steel gun, and put NP₃ on it. Not only will you increase the rust protection, the lubricating attribute will completely eliminate the "galling" that plagues stainless steel guns.

NP₃ can be applied to regular chrome-molybdenum gun steel, and stainless steel, and even aluminum. All parts of the gun can be plated, except the inside of the barrel.

Test Sample

The gun pictured here is a Colt Commander with aluminum frame, regular steel slide, and Safari Arms stainless steel grip safety. The color is uniform, regardless of the metal.

The test gun was stripped of all lubricant. Five hundred rounds of Federal full-power hardball were fired through the gun. With no cleaning, and no lubrication whatsoever, the gun functioned perfectly.

It was then cleaned by merely wiping it off with a paper towel!

Lube-Free Finish

Now you might think, if NP₃ without lubrication is slick, then NP₃ with lubrication must be even better, right?

Wrong! Liquid lubrication collects dirt, like burned gunpowder soot, and plain old airborne dust. This builds up and turns into black, sticky sludge, that can foul up the works.

In cold weather, gun oil can congeal, and slow down the cycling action enough to cause malfunctions. In extremely cold weather, gun oil can even freeze.

If you have your gun finished with NP₃, don't try to "improve" it by lubricating it; it works perfectly just the way it is. Nothing sticks to it, including dirt.

Choice Of Champions

WILSON "CUSTOM-TUNE" Spring Kits

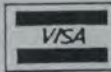
Spring Kits for lighter/smooth actions and high performance loads. These quality spring kits feature the finest gun springs available, made from high tensile spring wire, for the finest possible action tuning jobs. Kits include the various springs necessary to assure reliable function, smooth operation, consistency, and long life. When only the best will do, WILSON COMBAT "CUSTOM-TUNE" spring kits are the only choice.



Available for most popular Auto Pistols and Revolvers. Call TOLL FREE to order your kit today!

Our '91 Complete Handgun Accessory Catalog is available for \$3.00 (refundable) or ask for one FREE with your order.

ORDER DESK
1-800-955-4856



Route 3 • P.O. Box 578-A • Berryville, AR 71616

LEARN COMBAT SHOOTING FROM J. MICHAEL PLAXCO

"AT THE BEEP"

Learn the skills required for Practical Shooting with this two tape set. (total running time -- 2-1/2 hours.)

World Champion J. Michael Plaxco teaches you the secrets that have made him one of the World's best and most consistent shooters. No longer will you go to the range to practice and wonder what you need to work on. These videos will give you the guide lines to become a Champion Shooter.

Two Volume Set: \$69.95 - plus \$4.05 shipping and handling Please allow 3 weeks for delivery.



Please Check One:

Check/Mo \$74.00 Mastercard VISA U.P.S. C.O.D. U.S. DOLLARS ONLY

Please Print:

Cardholder Name _____

Name _____

Account Number _____

Expiration Date _____ Signature _____

Street Address _____

City _____ State _____ Zip _____

Phone (Home) _____ (Work) _____

To Order "At The Beep" by Phone
Call J. Michael Plaxco's (501) 868-9787
21621 Roland Cut-off Road • Roland, Arkansas 72135



Professional Handgun Accessories

MADE IN U.S.A.

Hi-Sweep Beavertail Grip Safety

...The #1 grip safety in the world! More shooters specify the Ed Brown Beavertail than all others combined. Allows gun to sit lower in the hand for more natural aim and lessened recoil due to bore's centerline being closer to axis of forearm. **Blue #865 and Stainless Steel #866.**



Beavertail Installation Jig

This is a neat and easy-to-use jig for installing our beavertail grip safety. Heat-treated super-hard so hand filing right up against it is okay.



Commander Style Slotted Hammer

Holes are precision machined in location and sear hooks are **surface ground** so hardly any stoning is necessary. Heat-treated to at least 50Rc. Available in **Blue #870 and Stainless #871.**



1911 Hex Head Grip Screws

Stop screwdriver slips! Replace your ruined screw slots with these Allen Head screws. **Blue #803 and Stainless #804.**



1911 Extended Safeties

Made in both **Blue #890 and Stainless Steel #891**, this new part is more oversized than any other. Angled slightly to keep thumb from contacting slide and has double angle to fit thumb perfectly. Requires gunsmith fitting for safe operation.



1911 Ambidextrous Safeties

Required for the IPSC weak hand stages as well as left-handed shooters. **Blue #892 and Stainless Steel #893.** Requires gunsmith fitting for safe operation.



Four-Star Compensator Assembly

Not just four slots, four separate chambers with four baffles to wipe the expansion gas from the bullet and reduce recoil. Complete assembly available in blue or stainless steel with a stainless barrel pre-fitted to a Colt Government model in 45ACP or 10mm. 1911 copies may require fitting.



Four-Star Comp Only

Available in any caliber in **Blue #900 or Stainless #901.** Internal threaded .581 x 40. Requires a 5.5" barrel.



Heavy Duty Guide Rod Assembly

Intended for drop-in installation in standard Government Model pistols. May be shortened for installation in Commander pistols.



Four-Star Full Custom Pistol



Smith & Wesson Cylinder Latch

For faster revolver reloads, cut to clear any speed loader. Available in **Blue #894 and Stainless #895.** Fits Smith & Wesson 'K', 'L' and 'N' frame revolvers.



Smith & Wesson Extended Slide Stops

#896 fits 45 frame guns and 10mm.
#897 fits 9mm guns with double stack magazine and 40 Smith & Wesson.
#898 fits 9mm guns with single stack magazine.



Is there anything else? Oh, yeah. Before you spend money on an "action job," have your gun refinished. You just might find that the trigger pull is smoothed up enough to make polishing and stoning unnecessary!

The test Commander already had a nice 4 1/4 pound trigger, courtesy of Colorado gunsmith Ikey Starks. When I got it back from Barrkman, it was 3 1/2 pounds, still crisp, and still safe.

So, it's like getting your gun refinished, and getting a trigger job thrown in free!

The price is not cheap, but it's not unreasonable. A complete refinish for a handgun is \$205. For comparison, plain electroless nickel is \$150, Parkerizing is \$105, and good old-fashioned bluing is \$95.

Is it worth it? For a gun that you plan to bet your life on, I think so.



Readers interested in the NP3 finish can contact the firm at Coating Technologies Inc., 21438 N. 7th Ave., Suite B, Phoenix, AZ 85027.

AYOOB FILES

Continued from page 50

senger door. Looking off into the cornfields, he knew he could make a dash for it.

In high school and college, he had been a football star, and many considered him professional material. But then the image flashed into his mind, an image of other policeman laughing at him, mocking him for running like a rabbit and letting a punk take his gun and perhaps his patrol car. No, Pape decided, he'd see it through and wait for an opening.

Pape entered the vehicle and sat in the right front seat. Barton shoved the officer's gun between his own left thigh and the seat cushion, leaving his left hand free to drive.

He kept the .45 auto in his right hand as he worked the floor-mounted gearshift lever with it. Pape thought he could see the light at the end of the tunnel. That big automatic was in easy reach of his own hands, and if his kidnapper took his eyes off him at a stop sign...

Courageous Move

Back then, cops didn't refer to tunnel vision, but Pape must surely have experienced it. His mind dwelt on the deadly grey automatic in the gunman's right hand. And, when the moment came, he went for it.

Jumping a drawn gun sounds hopeless, but one must remember, Oran Pape had had the courage to beat such odds before, on the gridiron. Eight years prior ace sportswriter John O'Donnell of the *Des Moines Register* had described a game in which Pape's Iowa State team was being romped by their archrivals, the Minnesota Gophers:

Ed Brown Products

For a catalog of all our accessories and custom pistols, send \$2.00, refundable with your first order.



Route 2, Box 2922 • Perry, Missouri 63462
(314) 565-3261 • Fax (314) 565-2791

"Hopeless? Not for Oran Pape. He took the ball from center and started at a gallop which never ended until he deposited the pigskin back of the goal line. Irving Nelson kicked the goal, and Iowa marched off the field to the tune of a 7-to-6 victory. Pape was the toast of the throng."

Pape, now 29, dipped into the same reserves of courage. When the moment came, he lunged for Roscoe Barton's gunhand... and got it!

The young trooper bent Barton's wrist backward so hard that he broke it, and the cocked .45 flew harmlessly into the backseat. But his concentration on the autoloader had too deeply canalized his mind: he had apparently forgotten his own .38 Special, under Barton's leg.

Copkiller Strikes

And now, in one swift and terrible movement, the gunman grabbed the Official Police with his left hand, swung the barrel up between the patrolman's legs, and pulled the trigger.

The 158 grain roundnose lead bullet carried little merciful shock power with it as it entered the groin and tore its way upward through the lower abdomen, shattering the left hip-bone as it lodged there. But perhaps the agony and the horror of the wound fed even more strength, for a moment, into the body of the young athlete.

Pape and Barton were both large, powerful men. But Pape's hands were both on the revolver's four-inch barrel now, and slowly, inexorably, he turned the Colt around toward his tormentor.

No one knows if Roscoe Barton screamed before the final moment of the death struggle. We do know that both men were still grappling for the gun when Pape pulled the trigger and shot Barton in the face.

And now, no one would ever know if Barton had intended to finish him or not, because the last thoughts of the kidnapper exploded out the back of his head in the jetstream vapor mist of the bullet's wake. The corpse of Roscoe Barton slumped against the driver's door, the bloody head lolling.

Plea For Help

The first part of Oran Pape's struggle was over. Now the second stage began. Still clutching his service revolver, Pape rolled out of the car and managed a couple of halting steps before the broken hip gave way and he pitched forward. The rough road surface grated the palms of his hands away as he dragged his uncompliant lower body behind him into the middle of the lane.

When he saw a car coming, he flagged it.

The vehicle pulled over and a man stepped out, staring at the prone officer. Pape's entire lower body was soaked with blood; the green uniform trousers now

Choice Of Champions

Series 47 Magazine

Series 47 WILSON-ROGERS Advanced Pistol Magazines for 1911 style autos are the choice of experienced competitors and the U.S. Military elite special forces. These high quality stainless steel magazines are designed with maximum durability and reliability in mind. Incorporating the latest in durable materials like the 17-7 aircraft grade stainless steel bodies, heat treated to R/C 38, and precision formed from .027" gauge metal, the self-lubricating followers are made from a high strength custom blended fiberfill nylon as is the removable base-pad. Springs are specially fabricated from a heavy duty, high tensile strength spring wire to reduce "spring set" and provide the longest possible spring life. Totally redesigned to take advantage of the latest technological improvements with a commitment to uncompromising quality for those who demand nothing but the very best.



#47 7 Round, .45ACP, Std. Pad \$24.95
 #47D 8 Round, .45ACP, Std. Pad \$27.95
 #47DE 8 Round, .45ACP, Oversize Pad \$28.95
 #47NX 9 Round, 10MM, Std. Pad 29.95
 #47SXE 10 Round, .38 Super, Oversize Pad \$30.95
 #47.OX 7 Round, Officers Model 27.95

Place your order TOLL FREE today!

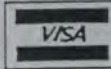
'91 Complete Handgun Accessory Catalog is available for \$3.00 (refundable) or ask for one FREE with your order.

ORDER DESK
 1-800-955-4856



Wilson's

The choice of Champions.



Route 3 • P.O. Box 578-A • Berryville, AR 71616

NEW PRODUCTS REPORT



NOW AVAILABLE IN .40 S&W

IDEAL FOR COMPETITION SHOOTERS

UNIVERSAL CARBIDE 4-DIE PISTOL SETS

Available in most popular pistol calibers.

For the 1990's, Lyman took pistol dies a step further with the introduction of **Universal Carbide 4-Die Pistol Sets**. With the growing popularity of competitive sport shooting, particularly with semi-automatic pistols, taper crimping is fast becoming the standard. Lyman alone adds a taper crimp die to the popular and proven Multi-Deluxe Die Set at a special savings over separate purchases. Remember Lyman dies fit all popular presses using standard 7/8" x 14 thread. Whether you're considering...a starter kit or just changing calibers on a high volume progressive, ask for Lyman dies. It's the best value available today.

We stand behind the quality of our dies and will repair or replace them at no charge if damaged in normal use. See your Lyman dealer today or send \$2.00 for 44-page color catalog of complete Lyman line. Small version free.

Lyman® Dept. 974, Rt. 147
 Middlefield, CT 06455

Questions? Call toll-free
 1-800-22-LYMAN.

appeared dark red.

"I've been shot," Pape blurted through teeth clenched in agony. "For God's sake, get me to a hospital!"

The man looked at him for a long moment, then said disdainfully, "I'm not getting blood all over *my* car."

The motorist turned on his heel, got back into his car, and accelerated. The spinning rear wheels sprayed dust and

E. Fender of Illinois helped them transfer the wounded officer into his high-powered touring car. They now raced toward Hershey Hospital in Muscatine.

A Brave Man Succumbs

When the word went out over the air, the other officers were stunned. Some wept, openly and unashamedly. Pape was the first of their number to be shot in the

Barton's pattern of criminal violence was already escalating long before he pulled the .45 on Patrolman Pape. It is entirely possible that he intended to murder the officer.

gravel on the broken body of the young trooper as he lay helpless in the bloody dirt of the Muscatine Road.

The incident had begun around 5 p.m. It was nearly six when Kansas City salesman L. L. Steward and C. W. Watson pulled over at the sight of the prone form waving weakly from beside a black sedan.

"My God, step on it, will you," Pape pleaded as they helped him into the car.

Their sedan was equipped with a speed governor, and just outside Fairfield, they pulled into a filling station where I.

line of duty.

To the end of their days, each of his brother officers would remember where they had been the moment they learned of the Pape shooting, the way generations later a nation would remember the moment when the assassination of President Kennedy was announced.

Pape had lost a terrifying amount of blood. As policemen from all over the region converged to donate blood, an agonized Pape was telling his story to the doctors.

Outside the halls, officers waiting in

line to give blood could hear their brother patrolman repeating, "I could have got away... I could have got away... When he made me walk in front of the car, I could have taken off... but... I couldn't do it I was afraid you'd all laugh at me... I just couldn't do it... but I could have got away..."

Too long untreated, the loss of blood had created hemorrhagic shock, or collapse of the blood vessels. When the first transfusion had clearly failed, by midnight, a second was ordered. John Hattery, Chief of Patrol, volunteered, and in moments he lay next to the wounded trooper, hooked up for direct transfusion.

Even that wasn't enough. Mrs. Charles Pape, his mother from Dubuque, and his brother Vern were at his bedside. The patrolman's wife Nancy had been so shattered by the news that she had to be sedated, and lay in a nearby room. At 2:40 a.m., nearly 10 agony-wracked hours after the shooting, Oran Pape succumbed.

Chief Hattery broke down when he made the announcement to the other assembled patrolmen. Behind hid tears, however, was a cold rage. Hattery spent several days in Muscatine after the shooting seeking the first motorist who had abandoned the hero cop in a puddle of blood.

The man was never found. Forty years later, now a septuagenarian, Hattery still



1. Frank Paris Bowling Pin, Integral Porting. No Recessing of Bore
2. Michigan Aramament, Ported through Slide and Barrel
3. Browning Hi-Power, Extended Barrel
4. Colt Government, Ported through Slide and Barrel
5. 41 SSK Avenger Conversion, Ported through Slide Barrel
6. Jim Clark Custom Bowling Pin Gun, Integral Porting. No Recessing of Bore

**NOW
CELEBRATING
OUR 20TH
ANNIVERSARY**

AUTOPORTING?

So what's new!

Mag-na-port® International has been Mag-na-porting auto's for 20 years! There have been some new so-called "High-Tech-Engineering Porting Systems" which claim 40% less in recoil reduction. These claims are **impossible** unless you attach or hang a cement block on the end of the muzzle or barrel. The new so-called "Porting Systems" don't even know what a Metering Port is. Eighteen years ago, Larry Kelly started putting Metering Ports on handguns, rifles and shotguns! Now, nearly everyone who drills or mills a hole in a gun barrel refers to it as a "Port" and they don't even know what a Metering Port is.

Don't be misled!

Don't be misled by claims and promises from companies here today and gone tomorrow. Mag-na-port® International is now located in five countries. We've been Porting for 20 years, that speaks for itself!

Write the "Originator"

Anyone interested in further information on Porting handguns, rifles and shotguns, write the originator:



INTERNATIONAL, INC.

41302 Executive Drive
Mt. Clemens, Michigan 48045-3448
(313) 469-6727 • Fax (313) 469-0425

*"Imitation
is the sincerest
form of
plagiarism."*

found the memory so painful he couldn't discuss it with me except in writing.

The Pape Lessons

Like all martyred policemen, Oran Pape left lessons in his death. In the '30s, cops didn't carry backup weapons unless they worked for the Texas Rangers or a heavy-duty urban felony squad. To wear one was to court the derisive nickname of "two-gun."

Yet, the kidnapping was a classic example of the need for such an instrument. When Barton turned away to check for traffic, the unmanacled Pape could easily have cleared a hideout gun and shot him. Tragically, Pape had no weapon left to shoot him with.

After Pape's death, the flap holster was moved to the left of the belt, supposedly to make disarming more difficult. Iowa State Patrolman then and later found it curious—many thought a quick-draw holster would have been a more fitting memorial.

The crossdraw flap holster remains today—even left-handed officers must wear it on the left, butt forward, for "uniformity"—and the Troopers Association has unsuccessfully tried to sue for a change.

Roscoe Barton, with the proverbial record as long as his arm, should never have been free. Evidence in his vehicle—from the stolen checks, to the spare ammo for the stolen guns, to nails for throwing out on the road behind him to flatten the tires of pursuing police cars—indicated that he was spending his probation as a full time criminal.

Federal Judge Charles A. Dewey, who suspended Barton's sentence, and Barton's probation officer do not seem to have made themselves available for comment in the furor that followed the slaying.

A spokesman for the people board simply said, "The present parole system is the best that can be worked out with the funds available." Barton had been required to check in with his parole officer only once a month.

In 1976, investigation showed that the average criminal on parole or probation still checked in only once monthly. Some things remain constants.

Unresolved Question

One question would never be resolved: *if Pape hadn't jumped him, would the killer have just let him go, out in the country?*

Extensive as Barton's record was, it showed no history of violence against the person, and many theorized that Pape was killed by his own heroics, that Barton would only have dropped him off in some cornfield far from a telephone.

That premise is highly arguable. The presence of the guns and the indications of bank robbery all show that Barton's pattern of criminal violence was already escalating long before he pulled the .45 on Patrolman Pape. It is entirely possible

Choice Of Champions

#299B WILSON COMBAT
Deluxe Commander Hammer. Quality manufactured and heat treated to exacting specifications. This hammer features a large slotted spur for minimum weight and fast lock time, narrowed sides to prevent rubbing on the sides of the slide, hammer hooks cut to .020" with a ground finish. The strut pin hole has been relocated to aid in obtaining a crisp and light trigger pull. Only minor fitting required to obtain a light, crisp trigger pull. Blue finish with polished sides.

#299B \$32.95
#299S Stainless Hammer
..... \$34.95

Place your order TOLL FREE today!



#190 WILSON COMBAT
Ultralight Match Trigger. (Long-adjustable) At barely over 80 grains this is the ultimate light-weight trigger. Pad is machined from aircraft grade aluminum and stirrup is heat treated steel, skeletonized to reduce weight yet maintain strength and reliability. This trigger is an absolute necessity for a light, yet safe trigger pull. REDESIGNED FOR '91.

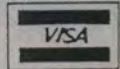
#190 \$29.95

Our '91 Complete Handgun Accessory Catalog is available for \$3.00 (refundable) or ask for one FREE with your order.

ORDER DESK
1-800-955-4856



The choice of Champions.



Route 3 • P.O. Box 578-A • Berryville, AR 71616

EMBOSSED PONY GRAIN COWHIDE

For TAB and BH Style Holsters-Matching 1.5" Wide Belts with Removable Buckle. Made in Russet, Cordovan Brown and Black Finishes. Holsters are Available for selected Models of Handguns.



MIXSON LEATHERCRAFT INC.

Please contact your local dealer or contact our office for his location

7435 West 19th Court • Hialeah, FL 33014
305-821-5190



ALEX B. HAMILTON

FULL HOUSE RUGER (PICTURED)	\$ 950.00
PPC REVOLVER (PICTURED)	825.00
IPSC COMPENSATED MODEL 1911	1,350.00
COMBAT COMMANDER (BASIC)	495.00
BASIC MODEL 1911	330.00 TO 360.00
14 SHOT MODEL 1911 (PARA ORD. FRAME)	
	ALLOY 550.00 - STEEL 675.00

COMPLETE CUSTOM WORK • COLT PARTS DEALER
• LITERATURE \$1.00



10-RING PRECISION, INC.

1449 Blue Crest Lane • San Antonio, Texas 78232
1-512-494-3063 • 9 a.m. - 3 p.m. Tues.-Fri.



GET A WINNING GRIP ON PROTECTION with PAST Professional Shooting Gloves



Winning accuracy requires hand control—the control you get from PAST Professional Shooting Gloves.

Patented PAST foam protects the palm and sensitive thumb-web nerves of your shooting hand; also the back and knuckles of your off-hand. The result is control with minimum bulk and maximum flexibility.

Available in pairs or IHMSA competition approved singles.
From shooting sports retailers.

PAST recoil protection products are used by the U.S. Shooting Team.



PAST CORPORATION, 210 Park Avenue
Columbia, MO 65203-4143
(314) 449-7278 • FAX: (314) 875-8547

Waller Bags and Cases, created for shooters, are made in the USA and considered the finest available. They have an Adjustable Removable Interior Partition System. If displeased with any Waller product, it will be replaced or your purchase price refunded.

WALLER

NORWALK-CONNECTICUT-USA



Waller Range Bag

Colors: Black, Grey, Navy, Red
Size: 9"H x 11"W x 26"L.

\$140.00

Amex, Visa & MC accepted
Call Toll Free
1-800-874-BAGS
or
(203) 838-4083
Send \$2.00 for catalogue.

W • WALLER • & • SON • INC

142 New Canaan Ave • Norwalk, Connecticut 06850

that he intended to murder the officer. We simply have no way of knowing.

On the average, a man who takes an officer's gun in a struggle is likely to immediately shoot him with it, in a state of rage. The majority of cases where a punk gets the drop on a lawman and says, "Gimme your gun, Copper," end with the disarmed officer being released unharmed.

This is not, however, guaranteed.

A Detroit officer who surrendered his gun under such circumstances was summarily executed with a bullet in the back of the head moments later. In a Miami incident nearly two decades ago, an officer who was disarmed after unknowingly walking into a robbery in progress was about to be executed. He was able to draw a second weapon and blow away both attackers.

Clearly, any felon including car thieves must be considered capable of killing those who might bring them punishment. A stop like Pape's, we know with the clarity of 20/20 hindsight, warrants backup.

The radios of the period did not permit Pape to call for assistance, but even today, officers with more courage than is good for them make such high-risk stops single-handed.

A day's drive from the Pape death scene in 1979, a lone policeman attempted to pull over a stolen car. When it was over, that officer and two perpetrators lay dead, with another suspect wounded; an innocent bystander and a subsequently responding backup officer were also slain, and a third officer severely wounded.

After the tragic death of Oran Pape, Iowa Highway Patrol regulations were modified. Officers were now permitted to approach suspects with their service revolvers drawn when handling high-risk operations like the apprehension of a Grand Theft Auto suspect.

Tombstone Courage

Perhaps the most sensitive aspect of the Pape case in police discussions is the element of what LAPD officer survival expert Pierce Brooks classically characterized as "Tombstone Courage." Pape had seen an opening to escape, and apparently believed that his athletic prowess could carry him into the adjacent cornfields faster than his antagonist could successfully attempt to shoot him in the back.

But that wouldn't have been "brave." One remembers the last, dying words of the horribly wounded hero policeman on the blood-soaked operating table: "I could have taken off... but... I couldn't do it. I was afraid you'd all laugh at me... I just couldn't do it... but I could have got away..."

The peer pressure that leads to tombstone courage is a powerful and deadly thing. It can go beyond training, even beyond the individual's own common sense and intellectualized awareness of danger and the principles of survival.

nd there is reason to believe that Pape
id have survival awareness.

Forty years after he saw the young
hero cop bleed to death, Chief Hattery
wrote me, "Oran Pape was an excellent
patrolman, and it had only been less than
30 days before his death that, at a meeting
in Cedar Rapids, I had given quite a long
talk to the Patrol force of the eastern part
of the state of Iowa about the necessity for
exercising extreme care and caution in the
apprehension of various people.

"Every so often you are bound to meet
up with a desperado who has a very low
regard for life, particularly a patrolman's
life, and is willing to do most anything to
still maintain his own freedom. I can even
recall that during this talk Pape's eyes
and mine met and it seemed that he was
answering me—that I could rest assured
that he would be careful."

High Activity Man

One final grim warning can be drawn
by those who study the brilliant and tragi-
cally foreshortened police career of High-
way Patrolman Oran Pape. He was per-
haps the most popular officer on the
force, and many felt, one of the finest.

He was what is called a "high activity"
man, that is, went out of the way to do his
job. Any large-scale study of police gun-
fights shows that certain men are at
unusually high risk of shootouts, and tend
to be involved in a disproportionate num-
ber of violent encounters in their career.

The layman would figure them for
having Dirty Harry complexes, but on the
contrary, what we see is that the consci-
entiously good cop is the one who is most
often in harm's way.

The more actively you seek lawbreak-
ers, the more likely you are to find danger.

A more recent parallel of the Pape
tragedy was the murder of New Jersey
state trooper Philip Lamonaco. Consid-
ered by many the finest lawman in his
part of the state, and known to his peers
as a "super trooper," he was gunned down
in a bloody shootout with heavily armed
terrorist bank robbers.

Among civilians, the man who is most
likely to step out of the crowd and
attempt to rescue an innocent victim from
muggers is similarly the man most likely
to face homicidal assault, the man most
likely to be involved in a gunfight if (one
hopes) he is in fact armed himself.

Yes, there are many lessons to learn so
that Oran Pape's sacrifice will not be in
vain. Perhaps the true tragedy is that
more than half a century later, so many of
those lessons have gone dangerously
unheeded by so many in
American law enforcement.



*The author wishes to thank Tpr. Bill
Pasut of the Iowa Troopers' Association,
Col. Hattery (ret.), Col. Dickinson (ret.),
and Lt. Bob Glenn, the historian of the
Iowa State Patrol, all of whom made the
research for this article possible.*



**THE MOST POWERFUL
COMPENSATOR IN
THE WORLD!
OVER 75%
LESS CLIMB
IN THE .45 ACP!**

**D.R. MIDDLEBROOKS - PISTOLSMITH
RT 1 BOX 112-C, SURRY, VA. 23883
TEL (804)357-0881**

* U.S. PATENT #4,545,285

**NATIONAL
BULLET
CO.**



**PHONE (216) 951-1854
FAX (216) 951-7761**

1585 E. 361 ST., UNIT M, EASTLAKE, OHIO 44095

BULLET STYLE	HARD CAST	COPPER PLATED	BULLET STYLE	HARD CAST	COPPER PLATED
(.250) 25 cal. 50 gr. RN	\$20.00	\$33.50	(.357) 38 cal. 180 gr. FP	\$28.00	\$42.50
(.312) 32 cal. 77 gr. RN	\$20.00	\$33.50	(.401) 10mm 170 gr. SWC	\$28.00	\$42.50
(.312) 32 cal. 95 gr. SWC	\$20.00	\$33.50	(.401) 10mm 200 gr. SWC	\$30.00	\$44.50
(.312) 32 cal. 118 gr. FP	\$22.00	\$36.50	(.401) 10mm 200 gr. TC	\$30.00	\$44.50
(.355) 380 cal. 95 gr. RN	\$20.00	\$33.50	(.410) 41 cal. 210 gr. SWC	\$33.00	\$46.50
(.308) 30 cal. 120 gr. RN	\$22.00	\$36.50	(.410) 41 cal. 225 gr. SWC	\$33.00	\$46.50
(.356) 9mm/38 147 gr. RN	\$24.00	\$38.50	(.429) 44 cal. 215 gr. SWC	\$33.00	\$46.50
(.355) 9mm 125 gr. RN	\$22.00	\$36.50	(.429) 44 cal. 240 gr. SWC	\$34.00	\$47.50
(.355) 9mm 120 gr. TC	\$22.00	\$36.50	(.429) 44 cal. 265 gr. SWC	\$37.00	\$50.50
(.357) 38 cal. 141 gr. SWC	\$23.00	\$37.50	(.452) 45 cal. 185 gr. SWC	\$29.00	\$42.50
(.357) 38 cal. 141 gr. DEWC	\$23.00	N/A	(.452) 45 cal. 200 gr. SWC	\$29.00	\$42.50
(.357) 38 cal. 141 gr. BBWC	\$23.00	N/A	(.452) 45 cal. 230 gr. RN	\$32.00	\$45.50
(.357) 38 cal. 158 gr. SWC	\$24.00	\$38.50	(.452) 45 cal. 230 gr. FP	\$32.00	\$45.50
(.357) 38 cal. 158 gr. RN	\$24.00	\$38.50	(.452) 45 cal. 255 gr. SWC	\$36.00	\$48.50

SWAGED BULLETS

148 Gr. 38 Cal. HBWC. \$22.00

TERMS: Check, Money Order, C.O.D. Cash Only. Freight Collect. 5% Discount on 5-9M, 10% Discount on 10M. 15% on 25M or more. Bullets Are Lubed & Sized. Packed 500 per Box. All Prices are Per 1000. Send for Sample Pack of Bullets. \$5.00 Prepaid.

NO FFL REQUIRED

FOR AMMUNITION OR COMPONENTS PURCHASER MUST BE 21, SEND PHOTO COPY OF I.D.

LAROCCA GUN WORKS, INC.

Building guns for the 21st Century



Custom Handgun Specialist:
IPSC conversions in all calibers
Basic Street • PPC Revolvers

Custom Competition Shotguns:
For the finest in speed and reliability.

All work guaranteed for the highest reliability, quality and craftsmanship.
Dept YR, 51 Union Place, Worcester, MA 01608 • 508-754-2887

IRS GUNS

Continued from page 73

on a par with the people we were dealing with rather than continuing with what, for us, was outmoded technology."

Auto Pistol Pluses

Semi-automatics hold more rounds than revolvers do, an important asset when you're caught in a firefight. The SIG 226 holds 15 + 1, while the newer 228 has an ammo capacity of 13 + 1. IRS Inspectors were previously limited to 18 rounds of .38-caliber +P ammo—a full cylinder and two speedloaders.

Although 18 rounds were enough to handle most desperadoes, today's escalation of deadly force against IRS Special Agents and Inspectors mandates high-capacity weapons to overcome that force. With two spare magazines and a fully loaded semiauto, IRS agents now go into the field with 40-46 rounds instead of 18. That's over twice their former ammunition capacity!

IRS agents are authorized to use two 9mm rounds—Federal's 115 grain JHP and the Winchester 147 grain STHP. The lighter Federal round leaves the muzzle at about 1,160 fps, delivering some 345 ft/lbs of muzzle energy.

The 147 grain Winchester, while slower at about 1,010 fps from the muzzle, is obviously heavier than the 115. Therefore, it has more momentum and more penetration. It has a slightly lower muzzle energy of 333 ft/lbs.

Both Jorgensen and Rabatin claim the 147 grain Silvertip is the next best thing to a .45 ACP. "When my SIG is armed with it, I have all the confidence in the world," Jorgensen says.

"I guess I'm just an old-timer, but I love the .45," Rabatin admits. "That's just my personal feeling. I'm not saying it should be our duty weapon, because I also love the SIG. I think it's an excellent weapon, and I feel very confident with it."

Special Agent Ken Harper of the IRS Criminal Investigation Division was delighted when the agency converted to Wondernines. One of the biggest reasons was reload time. Even with speedloaders, reloading a revolver costs valuable time in a firefight.

As Harper explains, "If you take a good shooter with a .38-caliber revolver—or any revolver for that matter—and pit him against an equally skilled 9mm shooter, the semi-automatic shooter will out-reload him every time."

Why? Because it's easier to drop an empty magazine out and pop in a fresh one than it is to tilt the wheelgun up, extract the empty casings, reload using the speedloader, and then place the weapon back into firing position. Physically, reloading a semi-auto is a more streamlined move.

★★ IMPROVE YOUR PERFORMANCE ★★

Shoot to win with the all new **SPEED-TIMER!** *It's the smallest!*

The SPEED-TIMER is an extremely compact shot activated timer which sets new standards for high performance. Tested and approved by the International Range Officers Association (IROA), the SPEED-TIMER is easy to operate with "one-button" mode selection.

Press and hold the button for one second or longer and release to initiate record mode. Wait for the audible beep and begin shooting. Then simply read the elapsed time.

To review shots "in order" fired, just tap the button (less than one second) and cycle through all your shots as many times as you like. Just tap the button for the next shot.

The display will automatically shut off when not in use for more than one minute but the SPEED-TIMER will not lose the shot times. Just tap the button to reactivate.



4.5" x 2.75" x 1"

\$119.95 FREE DELIVERY WORLDWIDE

B.A.T. PRODUCTS

P.O. Box 55-8266
Miami, FL 33255-8266 USA
Phone: (305) 688-0262 FAX: (305) 553-9281
DEALER INQUIRIES WELCOME.
Send \$2.00 for our complete catalog.

451 DETONICS 45ACP 451 COR-BON

High Power
Combat Pistols Built,
Repaired, Modified. 1911-A1
converted to .451 Det., Premium
Quality Custom Work, .451 Brass,
Dies, Loading Data, etc.
INFORMATION \$1.00

Atwood Arms Inc.

323 WEST DRAVUS SEATTLE, WA 98119

Harper touches upon a forgotten aspect of reloading. With a revolver, he says, you disturb your sight picture by removing the weapon from eye level to eject your empty shell casings. You then position the gun downward to reload, after which you must restore the sight picture.

But with a semiautomatic, Harper claims, you can go through the entire reloading process without losing the sight picture at all. You can drop the empty

"Suppose I'm in a situation where I have to fire 25 shots. If I'm armed with a revolver, that means I must reload five times. I can go into that same situation with my SIG, fire the same 25 rounds, and only reload once."

magazine, reload and resume firing almost instantly. That's one of the biggest assets the Nines have over the .38's.

Still another benefit of the Wondernines is that you don't have to reload them as often as a revolver. Inspector Stephen Walsh, a Special Investigator with the Los Angeles IRS Internal Security Division, sums it up this way: "Suppose I'm in a situation where I have to fire 25 shots. Now I admit that 25 rounds is a lot, but just suppose.

"If I'm armed with a revolver, that means I must reload five times. In other words, in the space of a few minutes, I must stop five times, forget that the bad guys are still shooting at me, and feed my gun.

"Well, no thanks. I can go into that same situation with my SIG, fire the same 25 rounds, and only reload once."

For IRS agents, 9mm semi-autos have a clear advantage over revolvers in terms of trigger pull. With their .38's, agents fired most—if not all—of their rounds double-action. It's a long, hard pull that requires skill. What's more, it disturbs the sight picture in all but the best shooters.

However, with the semi-automatics IRS agents have adopted, only the first shot is fired in the DA mode. Then it's single-action all the way. And, of course, there's a difference between single-action on these semiautos and the single action inherent in a revolver. To fire single-action with a revolver, you must manually pull the hammer back before each shot.

However, with the semi-automatics, that's not necessary, except when pulling the slide back on the first shot. The pistol

WORLD CLASS PISTOLS, IT'S ALL IN THE NAME



George Huening
American Handgunner
Club 100 Pistolsmith

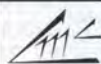


WORLD CLASS PISTOLS

P.O. Box 288
Brownsburg, IN 46112
(317) 852-0013

L. L. Baston Co.

Order Toll Free: (800) 643-1564 (Mon.-Fri. 8:00 A.M. - 5:00 P.M. C.S.T.)
FAX Orders: (501) 863-0172 (24 Hours/Day - 7 Days/Week)

	TITANIUM	Titanium Hammer Strut	#4009	\$13.95
		Titanium Firing Pin - 1911 .45 Cal.	#4003	\$26.50
		Titanium Firing Pin - 1911 .38 Super/9mm	#4004	\$26.50
		Titanium Hammer - "Commander" or "Rectangle" Style	#4007/4008	\$79.95
		Titanium/Carbon Fiber Ultralight Trigger - Long or Short	#4006/4006S	\$31.50

	Brown Ambidextrous Thumb Safety - blue	#4045	\$49.95
	Brown Ambidextrous Thumb Safety - stainless	#4046	\$54.95
	Brown Beavertail Installation Jig	#4042	\$17.95
	Brown High Sweep Beavertail Grip Safety - blue	#4032	\$31.95
	Brown High Sweep Beavertail Grip Safety - stainless	#4033	\$33.95
	Brown "Four-Star" Comp Kit - blue (specify .45 or 10mm)	#4057/4058	\$328.50
	Brown "Four-Star" Comp Kit - stainless (.45 or 10mm)	#4057S/4058S	\$338.50
	Brown Commander Style Hammer - blue	#4034	\$35.95
	Brown Commander Style Hammer - stainless	#4035	\$38.95

	King's Extended Slide Stop - blue	#KG202B	\$31.00
	King's Extended Slide Stop - stainless	#KG202S	\$31.00
	King's Combat Speed Thumb Safety - blue	#KG201B	\$25.95
	King's Combat Speed Thumb Safety - stainless	#KG201S	\$25.95
	King's Ambi. Thumb Safety - blue or stainless	#KG201AB/KG201AS	\$65.00
	King's 1911 Hardball Combat Sights - White 3-Dot System	#KG104	\$32.00

	Clark .38 Super 6" Ramped Barrel - unthreaded	#CL197	\$130.00
	Clark .38 Super 6" Ramped Barrel - threaded	#CL196	\$140.00
	Clark 10mm 6" Ramped Barrel - unthreaded	#CL199	\$130.00
	Clark .40 S&W 6" Ramped Barrel - unthreaded	#CL201	\$130.00
	Clark .45 ACP 6" National Match Barrel - unthreaded	#CL190	\$130.00
	Clark .45 ACP 6" National Match Barrel - threaded	#CL189	\$140.00
	Clark Pin Master Regular Comp Kit - blue only (specify caliber)	#CL202	\$280.00
	Clark Pin Master Heavy Comp Kit - blue only (specify caliber)	#CL204	\$335.00

	Wilson Ext. Mag. Release - blue body	#W031B	\$24.95
	Wilson Ext. Mag. Release - all stainless	#W031S	\$26.95
	Wilson Checkered Slide Stop - blue	#W102B	\$23.95
	Wilson Checkered Slide Stop - stainless	#W102S	\$23.95
	Wilson Combat "First Grip" Magazine Release System	#W312	\$89.95
	Wilson Saddle Type 1911 Scope Mount - blue or silver	#W320B/W320S	\$99.95
	Full Length Gde Rod w/Dwyer Group Gripper - 5" or 4 1/4"	#W203G/W203C	\$36.95
	Wilson ACCU-COMP "DP-K" Comp Kit - .38 Super - ramped	#W300-38	\$324.95
	Wilson ACCU-COMP "DP-K" Comp Kit - 10mm - blue	#W300-10	\$309.95
	Wilson ACCU-COMP "DP-K" Comp Kit - .40 S&W - blue	#W300-40	\$309.95
	Wilson ACCU-COMP "DP-K" Comp Kit - .45 ACP - blue	#W300-45	\$299.95

Austin Behlert's 1911 Pistol Drop-in Hammer and Sear Set	#4601	\$95.00
Austin Behlert's Browning High-Power Drop-in Hammer & Sear	#4604	\$95.00
Austin Behlert's Ruger MK I & II Drop-in Hammer and Sear Set	#4605	\$75.00
Austin Behlert's Desert Eagle Drop-in Hammer Only	#4606	\$95.00
Behlert Style 1911 Pistol Thumbguard - Left Side, Silver Finish	#4607	\$39.95
Behlert Style 1911 Pistol Thumbguard - Right Side, Silver Finish	#4608	\$34.95
Behlert Style Para-Ordance Thumbguard - Left Side, Silver Finish	#4609	\$34.95
1911 Pistol "Paddle" Extended Magazine Release w/Mag. Catch	#4611	\$47.95

We handle a wide variety of accessories for AR-15's, 1911 type pistols, Ruger Mini-14/30's, Ruger 10/22's, HK-91/93/94's, M-1 Carbines, AK's, SKS's, Uzi's, M1A's, Contender's, AR-7's and Shotguns.

These are only a few of the thousands of parts and accessories that we handle! Send \$2.50 for our complete 100+ page catalogue. Dealer inquiries are welcomed.

COLT Authorized Parts Distributor

AMERICAN EXPRESS MasterCard VISA FED. EXPRESS DELIVERY ONLY \$3 MORE

L. L. Baston Co., P.O. Box 1995, Dept. AH, El Dorado, Arkansas 71731

cocks the hammer automatically. That gives you less trigger pull, a more sustained sight picture, and hopefully, better accuracy.

The Price Of Progress

All has not been roses for IRS agents in converting from revolvers to Wondernines. There have been the usual problems associated with replacing one weapon with another. However, proper training usually corrects these stumbling blocks. Other problems are rooted in the

IRS agents quickly discovered that the more they fired the weapon at the range the better they liked it.

nature of semi-automatics themselves. Yet, these challenges can also be overcome with training.

Some skeptics don't believe that a pistol can be fired as accurately as a revolver can. But IRS agents (and thousands of other law enforcement officers) know differently. Experience has taught them that Wondernines can be very accurate.

As Jack Mason, an Inspector with the

Los Angeles IRS Internal Security Division, explains, "After we got used to the new semi-automatics and felt natural with them, they were as accurate as our old revolvers, perhaps even more so. In fact, the more we trained with our new SIGs, the more accurate we became."

Surprisingly, no one in the Western Region got worse with the Nines after becoming familiar with them. In fact, with practice, many poor shooters eventually improved their qualification scores at the range, some dramatically.

"But there were some shooters who stayed the same with the semi-automatics," Mason recalls. "Some had trouble with the recoil. But generally, the things that make an automatic easier to shoot helped them as much as possible. The SIG is very nice to shoot. I think this helped everybody get comfortable with it."

Many of the problems IRS agents faced in switching from revolvers to semiautomatics centered around muscle memory. In other words, agents had trained with their revolvers to such an extent that the processes of reloading, aiming and firing became automatic. The challenge agents faced with their new Wondernines was to instill that same muscle memory with their new weapons.

As Rabatin explains, "When our people became more comfortable with the gun, they spent less time concentrating on the weapon itself, less time looking at it

and trying to figure out what they should do with it. Once they felt comfortable with the gun and didn't need to look down at it every time they moved, they could concentrate on proper shooting techniques like good trigger pull, grip, stance and sight picture.

"Because of our training, we became increasingly familiar with the new guns," Rabatin continues. "It's now to the point that if you took some of our people and gave them a revolver again, they would run into problems such as reloading, grip—everything."

Jorgensen agrees. The way he sees it, the whole purpose of the agency's three-day transition training and all of the follow-up work is to change muscle memory. If you don't, you'll always be ineffective with the weapon.

Big Problems

"Our national office was naturally concerned about pistol jams," Harper says. "People in the agency felt the revolver was simple, almost foolproof."

Many IRS officials believed that a revolver is a simpler weapon than a semi-automatic. If a revolver malfunctions, they reasoned, there's more the shooter can do to get it going again.

True, automatics are more complex than revolvers. They can be fieldstripped, they have a lot of moving parts, and they are more sensitive to dirt and abuse.

SUPERIORITY

P14•45

SUPERIOR CAPACITY

The first high-capacity .45 ACP pistol on the market, the P14•45's 14-shot firepower clearly outdates the standard capacity .45 Autos.

SUPERIOR CALIBER

The P14•45 outclasses all competition by providing you the unrivaled stopping power of the .45 ACP with unmatched capacity in a standard length magazine.

SUPERIOR PERFORMANCE

The P14•45 is designed with a ramped 5" barrel to ensure reliable feeding and a solid barrel bushing for enhanced accuracy. Just two of the many features normally found only on high priced custom handguns.



Para-Ordnance

Superior Handguns for Superior Shooters

3411 McNicoll Avenue, Scarborough, Ontario M1V 2V6

But realistically, how much of a problem are jams? According to IRS agents, jams do occur, but not nearly as often as you'd think. And when they do, agents are ready for them. A big chunk of their training focuses on clearing jams.

Slide locks are another concern IRS officials had with the semiautos. After all, when the slide locks back, the weapon won't fire—not a good situation for anyone in law enforcement.

When slide locking increased at semi-automatic training sessions in the Western Region, Jorgensen and other firearms instructors became concerned. Were all shooters off? Or was something wrong with the guns?

Mason clearly recalls one incident: "It was hot and humid, and because of that, everybody was tired toward the end of the day. And then it happened. All across the firing line, slides were locking back. It was incredible. One right after the other locked back. Dave [Jorgensen] and I talked about it and said, 'Well, it's a good weapon. It's been working fine up until now. It's got to be the shooters.'"

As it turned out, that's what it was. The shooters were tired. They lost their concentration. Furthermore, they were shooting with limp wrists, which broke the straight line from firing hand to shoulder. In essence, the body wasn't supporting the weapon. However, after the shooters had a good night's rest, there were no more problems with slide locks. The new semiautomatics performed just fine.

Winning Confidence

If there's one thing IRS Inspectors and Special Agents have as a result of switching to 9mm semi-automatics, it's confidence—in themselves and in their new weapons.

"It's kind of like being one with your gun," Mason explains. "Success with the weapon is often a mental thing. You want to have confidence in the weapon so if the slide keeps staying back, or if you experience other malfunctions, you won't lose faith in the gun."

IRS agents quickly discovered that the more they fired the weapon at the range and the longer they carried it in the field, the better they liked it.

"Hopefully," Jorgensen says, "You'll get to where you feel comfortable with the 9mm, and you'll learn to depend on it."

"You have to. If you don't have confidence in your weapon, you won't want to do your job. Fortunately, I have more confidence in my SIG than I've had in any other duty weapon issued to me."

"It wasn't easy making the switch, either. It took a lot of work. But it was worth it. When I think about the job we do and all the advantages the semiautomatics we use, making the switch was one of the smartest things we ever did."



HEARD THE NEWS?

Then read what's being said about the CZ-99, the new, world-class 9mm DA pistol from Zastava, Yugoslavia:



"... this is a well-made, strong, reliable, and accurate pistol with an amalgamation of the Best Features of the best service 9mm's."

GUNS & AMMO, March, '91

"... the pistol proved unusually easy and pleasant to use" and "Recoil and muzzle jump are very soft, making fast repeat shots a snap."

AMERICAN RIFLEMAN, February, '91

"It is very well made, accurate, and reliable..." and "... has all the desirable features of a defensive auto pistol..."

PETERSEN'S HANDGUNS, Spring '91

"The CZ-99 performed well, digesting everything it was fed - from 100-grain Hornady FMJs to Blue Tip 158-grain Uzi FMJs - with 100 percent reliability."

COMBAT HANDGUNS, April, '91

"... a truly benchmark design."

AMERICAN FIREARMS INDUSTRY, April '90

"... one of the most exciting prospects in a pistol to come along in quite an age."

GUN WEEK, August, 1990

"This new 9mm pistol gobbled up all types of ammunition" and "I was amazed at this pistol's accuracy with only 4-1/4 inches of barrel."

GUN WORLD, February '91

"Accurate, reliable, and loaded with small but important features not found on the numerous competing designs."

SOLDIER OF FORTUNE, January '91

NOW IN .40 S & W!

The CZ-99 is imported exclusively by T-D Arms and distributed by:

T-D Arms

30464 23-Mile Rd.
New Baltimore, MI 48047
Tel. 313-949-1890
FAX 313-949-1989

Nationwide Sports

70 James Way
Southampton, PA 18966
Tel. 215-322-2050
FAX 215-322-5972

BRNO USA Inc.

19800 Center Ridge Rd.
Rocky River, OH 44116
Tel. 800-323-6645
FAX 216-331-3579

Nationwide West

1460 Linda Way
Sparks, NV 89431
Tel. 702-358-2054
FAX 702-358-2093

T-D ARMS Ltd.

THE FINEST HANDGUN GRIPS

Made from fancy hardwoods,
soft rubber & original nylon



For the location of your Hogue
dealer and

FREE CATALOG

CALL TOLL FREE
1-800-GET-GRIP
(1-800-438-4747)
Or (805) 466-6266.

Hogue Grips are available at a
dealer near you, or you can order
direct.

Our quality grips are available for
most makes and models of revolv-
ers and automatics.



NEW

Now available for
new generation
S&W autos...

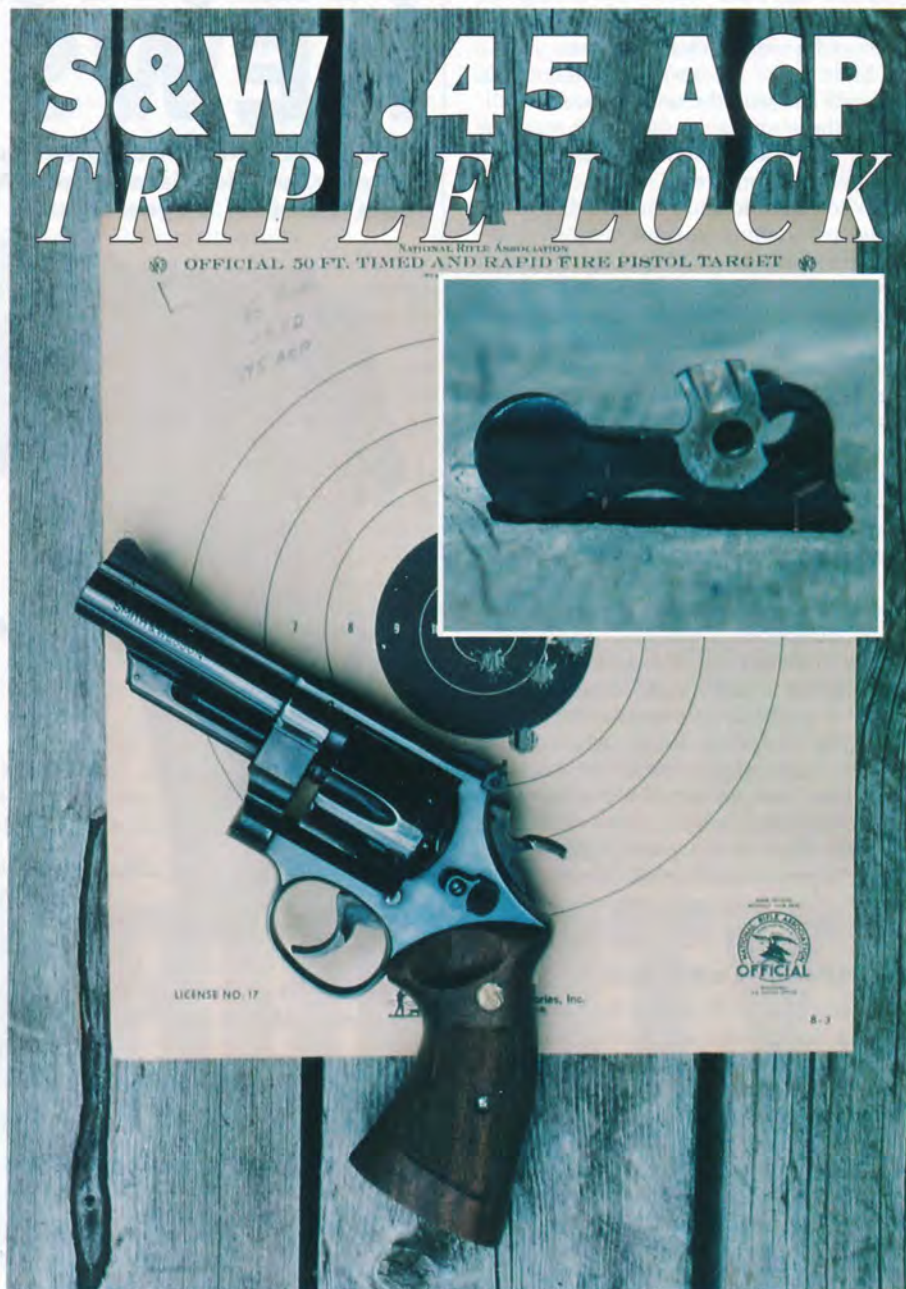
HOGUE GRIPS

Originator and maker of the MONOGRIP



Blend a classic .44 Hand Ejector First Model
with a vintage Model 1955 Target and you get

S&W .45 ACP TRIPLE LOCK



By Frank S. Temlanovich

Occasionally a man has the good fortune of meeting one of those rare characters whom a man must regard with a combination of awe, wonder, interest and deep respect. Such was the case a few years ago when I became acquainted with Emerson Farrell.

Many of us, in this part of Wisconsin, consider him our "Expert in Residence," both in firearms and local history. In his lifetime, he has been a jeweler, machinist, gunsmith and experimenter. With his experience in shooting, dealing, gun repair and tinkering, he has become a living firearms encyclopedia.

We came to know each other because of a Smith & Wesson Model 25-5 .45

Colt. I owned it and he tried to talk me out of it. I still own it!

Despite the nearly 40 years difference in our ages, we have become close friends. After shooting together a few times, we soon discovered we share similar thoughts on firearms—pistols in particular. We both like Colt Single Actions and Smith & Wesson revolvers. By asking the right questions, then listening and watching, I've come to learn of and appreciate the quality and detail of the fine old guns of the past.

Having things pointed out to me that I overlooked for years, I've come to agree with him that most of the current guns don't quite measure up. As Emerson put it "If you buy one, you've got most of the parts you need to make a good gun."

Learning more and more about handgun quality, I came to appreciate a Smith & Wesson that was put together the Old Way. And one of those that I've always wanted is now discontinued, a Model 25 1955 Target in .45 ACP. However, most of the good 25s in this area have either been bought up and sold elsewhere or are in the hands of people that won't part with them.

Over the last year or so, several things happened that made my dreams come true. Now I've got both—a classic S&W and a Model 25—in one beautiful package.

Triple Lock Quality

Last year, Emerson came up with a Smith & Wesson .44 Hand Ejector First Model, also known as the .44 Hand Ejector New Century and the .44 Triple Lock. This is the model Elmer Keith used to develop his heavy .44 Special loads.

The Triple Lock was made from 1908 to 1915. With some 20,000 being made in calibers .44 Special, .44 S&W Russian, .450 Eley, .44-40 Winchester, .45 S&W Special, .45 Colt and .455 Mark II. The .44 Special was the primary caliber, with the others being special order or contract guns.

Available barrel lengths for a Triple Lock were 4", 5", 6 1/2" and 7 1/2". It could be had with fixed or adjustable target sights in either blue or nickel finish.

Emerson's is a mid-production gun with adjustable sights, 6 1/2" barrel, blue finish and chambered in .44 Special. Other than in photographs, this is the first Triple Lock I've seen. For me, it has come to represent what a handgun should be. The attention paid to the minor details during manufacturing is something you don't normally see today.

The metal-to-metal fit is simply perfect. Now, I don't mean that by today's standards. All too often gun writers pen lines about the "top quality" and "perfect finish" of the gun they are reviewing. More often than not, all they have is junk. I'm not pointing at any single manufacturer. They are all guilty of lapses in quality control.

Unfortunately, the shooting public has accepted this as a sign of the times, with little or no complaining to the manufacturers.

Emerson's Triple Lock exhibits a quality of craftsmanship that would be the envy of anybody that has ever tried to fit two pieces of metal together, let alone a complete firearm.

The real advantage of the Triple Lock is the third lock at the junction of the crane (yoke) and the barrel lug. It consists of a hardened insert in the crane that extends to the right and fits into a mortise on the right side of the frame. A spring loaded locking bolt protrudes from the rear of the barrel lug and into a recess in the insert.

This arrangement virtually eliminates

Over 2 1/2 million Thompsons sold since 1921.

AMERICAN QUALITY



Our Family Tree of 1911

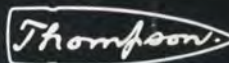
Pistols is available in:
10mm, .45 ACP, 9mm,
.38 Super, compact ZG51
"Pit Bull" and Satin
Nickle finish.



Send \$2.00 for color catalog.

Auto-Ordnance Corporation

Box AH7 W. Hurley, N.Y. 12491 (914) 679-7225 Fax (914) 679-2698



Read Test Report in February 1990 Issue

Wichita Slab-Comp

Customize Your Revolver!

The Slab Comp or Revolver Comp is designed not only for the competitive but also for the non-competitive shooter.

EASY INSTALLATION. The Slab-Comp or Revolver-Comp slides over the barrel and underlug. It is secured by a single screw requiring the underlug be drilled and tapped.

The slab comp is available for Smith Wesson 6" or shorter full underlug barrels in Models 586, 625, 686, 617, 629, 627 and the Ruger GP-100 6" or shorter heavy barrels.

The Revolver-Comp is 2 5/16" long and can be installed on all lengths of barrels.

Either Comp is designed to redirect the gas upward and will, along with the added weight, reduce significantly the muzzle jump.



WSC Slab-Comp Blued	\$105.95
Stainless Steel	\$119.95
WRC Revolver-Comp blued	\$59.95
Stainless Steel	\$69.95
Plus Shipping	Installation Charge
	\$40.00

Wichita Arms, Inc.

444 Ellis, P.O. Box 11371, Wichita, Kansas 67211
(316) 265-0661

Dealer prices available SASE, signed FFL & tax#

Behlert Precision Presents . . .



Custom Drop-In Commander Hammer & Sear Set

The Colt hammer-sear set is the most revolutionary idea to be incorporated in a colt style semi auto to date. It absolutely drops in at about 3# crisp, no fitting. For best results use a Colt sear spring Wolff 19# mainspring incl. \$95.00

The Browning hammer-sear set is made using the same unique design and drops in at 4 to 4 1/2# crisp. \$95.00

The Ruger drop-in set for the Mk I and II gives a crisp 2 1/4# pull. \$75.00



Comp Blank

This is the same comp used on all of our top quality pistols. Made from 4140 steel and with a 7/16"-40 thread. Expansion chamber is 3/4" dia. Comp Blank \$98.00
6" Custom Guide Rod 20.00
Special Spring Plug 22.50



Behlert's thumbguard as seen on the cover of our 1990 catalog. The thumbguard is machined from aircraft aluminum and will be available in a variety of colors. Retail \$39.95

Left Hand 34.95

PARA-ORD thumbguard 34.95

Practical Tools, Inc.

Div. of Behlert Precision

R.D. 2, Box 63 • Pipersville, PA 18947 • Order Desk 1-800-4-BEST 38

Send FFL for Dealer-Dist. Prices

24-page Full Illustrated Color Catalogue - \$2.50

\$4.00 postage & handling per order



Accurate
2015[®] BR
Net Wt. 1 lb. (454 g)
Smokeless Powder
An extruded rifle powder specifically for the 6PPC, 7BR, and equivalent cartridges. Also suitable in 223 and comparable cartridges.

Our Name Says It All!

2015BR powder is the answer for precision oriented shooters using cartridges such as the 6mm PPC, 22 PPC, 6mmBR, and similar rounds. **2015BR** is a single base, small-grained, extruded powder developed specifically for "bench rest" cartridges. It meters well through powder measures, is clean burning, and will set new match records in the near future.

This powder has a wide range of applications from the miniature 22 Hornet to the mighty 458 Winchester Magnum. We predict that **2015BR** will help shooters achieve greater levels of performance in all applicable disciplines. Available in 1 lb., 4 lb. and 8 lb. sizes.

Loading data is available in our new 5th Edition loading booklet. Write for a FREE COPY.

© 1991



Accurate Arms Company, Inc.
Box AH4, McEwen, Tennessee 37101

U.S. Pat. No. 4,942,801



Price:
One hundred dollars for rib, instructions, and limited permission to build one gun using the purchased rib.

Terms:
Payment via cashier check, personal check (must clear), or cash C.O.D. (add \$3.00). NV. residents add 6%.

THE SCHUEMANN HYBRID COMPENSATOR

Current compensated semi-auto handguns use technology patented by Newton in 1865, popularized by Cutts in 1925, and made obsolete by the Hybrid in 1990. With 2.5 times more compensation power and a simple, reliable, lightweight design, the Hybrid is the comp gun of the future. Take the precision investment cast rib to your favorite gunsmith and have him build you a gun of the future. Or, build your own. The instruction booklet is very complete and includes 60 illustrations.

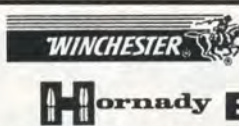
Wil Schuemann, 705 Wagner Drive, Carson City, NV 89703 (702) 885-7362

D A C DISCOUNT AMMO CACHE

DISCOUNT AMERICAN COMPONENTS
P.O. BOX 1332, RAPID CITY, SD 57709

(605) 342-2449 FAX: (605) 342-5665

NO FFL REQUIRED BUSINESS HOURS: 8:30 AM TO 5:30 PM (MOUNTAIN TIME) MONDAY THRU FRIDAY NO FFL REQUIRED



SEND FOR FREE CATALOG

Remington.

Hornady BRASS BULLETS Nosler BULLETS

WHAT'S NEW IN 1991? IN WINCHESTER: 9MM 147 gr JHP BULLETS, 9MM 147 gr TC, 38 ACP 130 gr FMJ, 38/357 158 gr S-PT, 40 S&W/10MM 155 gr TC, 40 S&W/10MM 180 gr JHP, 44 CAL. 240 gr HOLLOW S-PT, 9MM WIN. MAG PRIMED BRASS, 38 SUPER + P UNPRIMED AND PRIMED BRASS. IN REMINGTON: 9MM 147 gr JHP BULLETS & 357 MAX. 180 gr JHP BULLETS.

WE OFFER ONLY COMPONENTS — NOT LOADED AMMUNITION

any cylinder play when the gun is cocked and fired contributing to superb strength and accuracy.

Custom 1955 Target

After handling the Triple Lock, my talk repeatedly turned to "Some day I'd sure like to have one!" Before long, we located a source of original Smith & Wesson Triple Lock cranes.

Then the wheels really started turning. Why not build one! Emerson agreed to do the work.

Now, seeing all he had to do, I don't know why he agreed. It's quite a job, requiring the steady patience of a master craftsman.

The gods must have been smiling. Another friend, shooting partner and fellow lawman decided to sell his Model 25-2. Needless to say, I paid him, grabbed the gun and ran like hell before he could change his mind. Now I had most of the parts I needed.

A job like this takes time. There's no room for mistakes and only one chance to do things right. You just can't rush. It took Emerson several months of working off and on. Thanks to his expertise, it turned out just right.

For ease of carry, both afield and in a duty rig, I wanted a four inch barrel. So, the first step was to remove the barrel and shorten it's 6 1/2" length. The cut was made just behind the front sight ramp, and the new muzzle squared up on the lathe.

Next, Emerson milled the mortise in the right side of the frame, leaving enough material to handfit the new crane. No doubt due to changes in tooling and manufacturing processes over the years, the Triple Lock crane was slightly longer on the front end than the Model 25 crane. So, a little reshaping and polishing of the new crane was required.

These Triple Lock cranes are a wonder in themselves. In these days of stampings, plastics and investment castings, to see a piece of such fine work really pleases the eye. We had to get a couple extras—just for lookin' at!

With the crane fit to the frame, the barrel was now remounted. A spring and a hardened, pointed plunger were now made and fit into the locking recess in the front of the crane.

The plunger was used to scribe the rear of the barrel lug. This was done to locate the center of the hole for the locking bolt. Accordingly, proper positioning of the barrel and a very close fit between the scribe, plunger and the crane were critical.

Intricacies Of The Job

Current production Smith & Wessons have a locking bolt in the barrel lug that engages the end of the ejector rod. This is a fairly simple, straight piece. The Triple Lock has a U-shaped locking bolt, the upper leg of which is shorter than the

lower. The short leg locks the end of the ejector rod. The longer lower leg fits through the lower portion of the barrel lug, under the ejector rod, and into the recess in the crane insert.

To get the barrel lug ready to accept the new locking bolt, the end of the scribe mark was located and marked with a needle punch. This was then deepened with a center punch. The barrel was clamped vertically to the table of the mill and a hole then drilled through to the front end of the lug.

A slot was then milled on the front end of the barrel lug between the new hole and the upper hole, left by the removal of the ejector rod locking bolt.

The new locking bolt for the Model 25 has a slightly different shape than the Triple Lock bolt. The redesign of the Model 25 also required that a plug be made to fit the slot in the barrel lug. Though these two parts differ from the original Triple Lock design, function is the same.

You'll notice the plug protrudes a bit from the barrel lug. This is intentional, so anyone looking at the gun would instantly notice there is something different here. A bit of showmanship.

The barrel was now brought to the proper length by shortening and squaring up the shank end. Setting it back a turn gave us a very fine .002" barrel-cylinder gap. (We like 'em tight!) This gave us the added advantage of reducing the size of

the forcing cone in the rear of the barrel.

On newer guns the forcing cone is excessively large. They are made that way to compensate for less than perfect cylinder-bore alignment.

Setting the barrel back left the ejector rod a bit long, so it too had to be shortened. This won't affect the function as the ejector rod is more than long enough to eject the short .45 ACP and .45 Auto Rim cases.

Final Custom Touches

The barrel was again removed, for the final steps. The new muzzle was crowned on the lathe, and a slot milled on the top of the barrel to accept the front sight. The sight was milled from the left-over piece of the old barrel and the blade was reshaped to the Baughman Quick Draw style. Enough material was left on the bottom of the sight to fit it to the slot on the top of the barrel. The barrel and sight were held together in a vise, drilled and pinned together.

The cylinder had a couple high spots that needed facing off, so it wouldn't drag on the barrel during rotation.

The last modification to the Model 25 gave us another unique feature of the Triple Lock. At the bottom of the crane, inside the frame, is a small spring and plunger. When the cylinder is open, this plunger enters a recess in the frame and acts as a cylinder hold open device. This is handy during loading and cleaning.

INTERNATIONAL SHOOTISTS INC.
"LIFE WITHOUT FEAR"



HANDGUNS and SELF DEFENSE
 by MIKE DALTON and MICKEY FOWLER

\$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.

ISI DRY-FIRE KITS ISI
PRACTICE AT HOME
IMPROVE YOUR SKILLS-\$3.95
 Add \$2.00 per book or \$1.00 per kit. Money order, Visa and MasterCard shipped immediately. Personal checks allow 3 weeks for delivery. CA residents add 6 1/2% sales tax.

CLASSES FORMING
 Courses in both self-defense or competition are 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 12 page Brochure and Information Packet to:

INTERNATIONAL ISI SHOOTISTS INC.
 DEPARTMENT A.H.
 P.O. BOX 5254 MISSION HILLS, CA 91345

Accuracy...Reliability...Quality

You customize your firearm to gain the edge in shooting confidence. That's why you need to know Stewart Arms. Our highly skilled and innovative professionals are your ultimate partners when it comes to insuring your performance. Whether one of our innovative parts or a complete match pistol, our customers have come to expect only the best.

Count on us for quality that guarantees your shooting confidence.



Stewart Arms Company
 P.O. Box 60178,
 Midland, TX 79711-0178



Double Tap™ Compensator
 Easily cleaned dual ports are tilted 15° forward for minimal muzzle rise, located off-center to reduce torque. Large expansion chamber and gas seals assure optimum recoil reduction. Machined to computer controlled tolerances with front sight and threads of your choice.
Full Profile-Blue \$219 Hard Chrome \$239



Stewart Dropped Safety Patent Pending
 Thumb rides on lowered pad to improve recoil management. Positions thumb nearer bore axis for better accuracy without slide interference. Permits comfortable engagement of grip safety. Designed for minimal fitting time. **Standard (left side only) \$29.95 Ambidextrous \$49.95**

Works with most grips; assorted wood grips available with special thumb relief, P.O.R.

Drop-In Kit with the Double-Tap™ Comp threaded to a Briley barrel. Complete with our heavy duty two-piece recoil guide, spring tunnel, 13 lb. Wolff spring and barrel link. (Available in a variety of calibers, with standard barrel bushing or integral cone bushing.) *Gunsmith instructions included.*
Unramped barrel \$349 Ramped barrel \$379

To order call (915)563-GUNS
 Send \$2.00 or FFL for product info and pricing. Major credit cards accepted, or send certified check or money order. Add \$3.00 for shipping and handling. Texas residents add 8 1/4 % sales tax.

Set your sights on . . . the "TIGER"



H738-SH

The "TIGER" is suede lined and has a metal reinforced belt loop to contour with the hip. Other features, such as the retention screw, open bottom, covered trigger guard, & metal formed sight tunnel makes this a very functional holster.

For your copy of our catalog, send \$2.00 to:
DON HUME LEATHERGOODS,
P.O. Box 351, Dept. AH, Miami, OK 74355.



Replacing the barrel completed the project. My Model 25-2 1955 Target Triple Lock was now a reality.

Test Firing

The honor of firing the first rounds went to the Chief Project Engineer. Beside his other talents, Emerson is, without exception, the finest pistol shot I have ever met. Firing at a measured 25 yards, offhand, the first group from our fancy sixgun measured 1 3/4". Disregarding the one flier it measured a mere 1 1/2". Now that's shooting! And he complains of failing eye sight.

The load was a Winchester 230 gr. jacketed roundnose backed up by a stout 10 gr. charge of Blue Dot and a Winchester large pistol primer, wrapped in Winchester .45 ACP Match cases.

Over the chronograph, this load averaged 882 fps. By way of comparison, we chronographed Federal 230 gr. Hydra-Shoks at 847 fps from the 4" Model 25 and 816 fps from my 3 1/2" Model 4516. A 212 gr. Keith SWC and 10.4 gr. of Blue Dot gave us 927 fps.

Lead bullets aren't the best choice in this gun. They tend to lead up the cylinder face, causing it to bind during rotation. This isn't unexpected.

With the shallow rifling of the 1955 Target barrel and the .002" barrel-cylinder gap, this gun was meant to be used with jacketed bullets.

If this gives you ideas of having your favorite sixgun turned into a Triple Lock, don't bother trying to get Emerson's address. He's not going into business building them. You'll have to find a custom gunsmith to do the job. Probably just one more will come out of Emerson's shop. And, that will be it.

On the other hand, I've got a great idea...



DER LUGER

Continued from page 71

John prepares to finish the gun in the original method—slow rust bluing. "A collector wouldn't touch a gun that's been polished or blued," John confided, "It's a sure sign that work's been done on the weapon."

Slow rust bluing is a meticulous, time consuming procedure that lasts John 10 days. The result is a gorgeous, deep, lustrous blue like gun lovers have admired over the years in such wonderful examples of slow rust blue as Remington rifles into the 1950s.

"The weapons that are treated with slow rust blue are never buffed or polished," John explained, "Everything's done by hand."

"First you degrease the weapon. Then the bluing is applied by hand," said John as he paused to note that the bluing solution is a liquid that is rubbed all over the

CHRONY CHRONOGRAPH, Model F-1

It's all part of the American Dream:

"A CHRONY on every target shooting scene."

How good is the CHRONY? Here are the facts, just the facts: In the last three years we sold more chronographs than all our competitors put together in the past six years. What shall I tell you? In October 1990 our CHRONYS were tested and calibrated by the H.P. White Ballistic Laboratories according to methods traceable to the Bureau of Standards in Washington D.C. and found to be accurate well within 0.5%.

More than 54,000 CHRONYS sold.

Hav'n't you done without a CHRONY long enough? Really . . .



Weights less than 2.5 lbs.
Suggested Retail Price **\$99.95**
(You could pay more for other Chronographs. But why should you?)



CARRYING CASE

In black imitation leather with genuine leather carrying handle. Made just for your CHRONY.
\$18.95

PROTECTIVE SHIELDS made from 1/8" Lexan. Withstands direct hits from paintballs, air rifle pellets, wads, sabots and black powder debris, etc. Slip over sensors and front windows.

NEW SPECIAL \$6.95



CHRONY BALLISTICS PROGRAM

for IBM, Apple, MacIntosh, and Commodore 64
\$34.95. Demo disc \$5.00 but refundable with purchase.

Buy Chrony from dealer, order accessories from us direct via Money Order, Visa, MC or Amex. Give number and exp. date.
(416) 276-6292 EST.
Add \$3.50 for S & H.

For more information ask your Dealer or write to:
SHOOTING CHRONY INC.
P.O. Box 101 LPO Niagara Falls, NY 14207



Only a handful but, what a handful!

gun metal where it immediately begins to oxidize.

"After a number of hours you have a fox-red rust all over it," John elaborated, "Then the parts are boiled in water and the red rust turns to black magnetic oxide. After 10 of these treatments, you usually have a finished blue job.

"Then the gun is dipped in certain kinds of oil to prevent further oxidation. However, the slow rust blue finish will continue to oxidize for the next 50 years, subtly.

"The pistols that you see today that have that bright blue look like heat blue (produces), those are the results of slow rust finish 50 years later. It's oxidized bright blue!"

Several important parts were never slow rust blued on original Lugers. John routinely inspects the bolt, extractor and several other parts that the Germans left "straw colored."

"They were never blued," John said of these parts, "They were heat-treated with that straw color from the tempering, which is just below spring tempering."

One of the clues that will be a dead giveaway to a Luger collector is if these parts have been blued. If an amateur has tried to restore a Luger and blued these parts, John will strip off the bluing, re-heat-treat the part and leave it in the original straw color.

Having restored a classic Luger to its original finish, John quips, "The last thing you do is put the Kaiser's fingerprints on it. Then you're all set!"

The Luger Design

Today's gun designers bandy about the term "ergonomic design" like the concept of making a gun fit comfortably in the human hand was invented with the microchip. In fact, the most "ergonomic" handgun designs are some of the oldest—Sam Colt's single-action sixgun and Georg Luger's *Pistole 1908*.

A Luger fits beautifully in the hand, its precise balance making the gun point like a natural extension of the shooter's arm. The Luger is surely the most "shootable" of all semi-auto designs, including even the venerable Government Model. The Luger's grip angle is both comfortable to point and suitable for absorbing what modest recoil the Luger delivers.

Ironically, the Luger's grip with its natural feel was not a result of human engineering. The first design, known as the Borchardt-Luger, was chambered for the bottleneck .30 Luger cartridge and the grip angle was designed to accommodate the awkward feeding cycle of a bottleneck case.

The comfortable and natural "ergonomics" are merely a happy byproduct of Georg Luger designing his gun to feed the .30 Luger! Consequently, when the 9mm Parabellum cartridge was developed, the Luger pistol had a wonderfully reliable straight-line feeding arrangement

"NEW" from Aimpoint

The **5000**



**John Pride
World Champion**



Widest field of view available!

Top pro shooter John Pride relies on the most advanced equipment made; that is why he uses the new 5000 series electronic red dot sight. "Aimpoint has designed a true 30MM sight that is by far the widest field of view I have seen." The 5000 is available with a small dot for action shooting or a ten minute dot for speed shooting. Complete with 30MM rings, filter, and lens cover. Compare the 5000 with any red dot sight and you will agree there is no comparison. For a brochure on the most trusted name in red dot sights write to:



Aimpoint®

580 Herndon Parkway, Suite 500, Herndon, VA 22070
(703) 471-6828

**OGLESBY & OGLESBY
GUNMAKERS, INC.**



**Gun Shown -
Witch Doctor Prototype**

Featuring (IRS) Internal Recoil Suppression And The Self Adjusting Port The Witch Doctor Is "Bad Medicine In The Hands Of The Right Man" — For Inquiries On Availability And Specifications, Call Or Write:

Oglesby & Oglesby Gunmakers, Inc.
R.R. #5, Springfield, IL. 62707 (217) 487-7100 Fax: (217) 487-7980



**WEIGAND
COMBAT
HANDGUNS, INC.**

**"YOUR REVOLVER HEADQUARTERS"
SMITH & WESSON and RUGER**



Member
American Pistolsmith's
Guild
Club 100

Package Deals Available

PPC -	\$750.00
NRA ACTION -	
Marksman Package	\$183.00
Sharpshooter Package	\$356.00
Expert Package	\$466.00
Master Package	\$924.00
STREET SLICK ACTION JOB -	\$75.00

Pricing does not reflect test ammo and shipping.

General Repairs Welcome

341 SOUTH MAIN ROAD, MOUNTAINTOP, PA 18707 (717) 474-9804



**Dual Port Comp Kit
for 1911s in 45ACP and 38 Super**

Urschel Mfg. has introduced a one piece Dual port cone compensator for 1911 pistols made of 4140 steel. Complete with a 416 stainless steel full length guide rod, w/shock resistant tool steel head and 4140 bushing, it sells for \$169.95.

Dealer pricing available. Send signed FFL and Tax number.

**URSHEL
MANUFACTURING
INCORPORATED**

7442 E. Butherus Dr., Ste. D
Scottsdale, AZ 85260
(602) 951-9029 FAX (602) 951-3469

Oh, Say Can You SEE Those Invisible Sights?
Try Lee's Fluorescent Sight Kits



LEE'S RED RAMPS



Mini Kit - one color (your choice) sixty sights	\$25.95
Regular Kit - one color (your choice) 125 sights	\$43.95
Deluxe Kit - Four colors (your choice) 250 sights	\$79.95

Colors available: Red, Orange, Yellow, and White
Illustrated Instructions provided. No tools provided.

Spring Kits

S&W K, N, & L Frames (Target or Police and Hunting)	\$15.95
S&W J Frame	\$10.95
Ruger double action except Redhawk & G-100 (Target or P & H)	\$10.95
Ruger single action (New Model)	\$13.95
Dan Wesson .357	\$10.95

Lee's Custom Blue

Developed expressly for matching cold blue to hot blue. This blue is especially good when used with our ramp kits. It will not attack the acrylic sight and will not mar existing hot blue. It has no after smell and was an instant success at the Shot Show.

1 oz. \$10.00; 2 oz. \$15.00; 4 oz. \$25.00

White Outline Sights

White outline blades for Ruger, Colt, Micro, Virginia Dragoon	\$5.95
.090" Aperture white outline blade for longer barrels	\$7.95

Dealers call or write for discounts.

Order by check, money order, Visa, MasterCard, or COD to:

Lee's Red Ramps, Dept. AHG, P. O. Box 1249, Phelan, CA 92371, Phone (619) 868-5731

California residents add 6.5% sales tax. Minimum credit card order \$20.00

All products sold by Lee's Red Ramps fully guaranteed by Lee Baker.

We are the originators of the Red Ramp sight kits.

NRA Life

from the magazine to the chamber.

Recoil is minimal from a Luger because the recoil-operated action does not begin to unlock until the chamber pressure has dropped to virtually zero. It is this peculiar trait of the Luger that makes the weapon ideally suited to silencing.

"Gangsters in Chicago used silenced Lugers a lot," John Lawson ventured off-handedly, "They preferred the .30 caliber to the 9mm. It was a Maxim type silencer."

John went on to note that you can check on the Luger's mechanism of remaining locked until pressures have dropped to virtually nothing by removing the extractor. "The way to test this is to take the extractor out and wait until the gun fires. Then reach in with your fingernail and take the case out. It won't blow back!"

The Luger "Cannon"

The reason that pressure drops to zero before the action begins to open in the Luger is that the entire upper assembly—called the "cannon" by Luger buffs—must move rearward before the toggle mechanism pivots open. This is a large component—barrel, receiver, breech block and toggle assembly—requiring considerable force to move.

In fact, some Lugers will not function reliably with standard 9mm ammo because there is not enough pressure to cycle the cannon. Use of pepped-up handloads or the so-called "NATO 9mm" will usually cure a sluggish Luger.

The cannon is actually a complete firearm. Says Lawson, "The top portion can still be fired even when it's off the pistol by depressing the sear. It's damn dangerous that way. The cannon actually constitutes a complete firearm. You must check your chamber (before disassembly)."

The reason that the cannon can fire independently of the frame is, of course, that the Luger is striker-fired. There is no frame-mounted hammer that strikes a firing pin. The striker is captured by the sear and is powered by a firing pin spring, all of which is entirely contained within the cannon's breech block.

The cannon itself slides on machined rails inside the frame, like a Government Model slide reciprocates on the frame rails of a 1911.

Luger "Safety"

The safety mechanism of the Luger would bring an evil, larcenous smirk to the sour visage of a liability lawyer. Like chumming the water with fish guts to attract a shark, the safety on a Luger is the stuff that these bottomfeeders of the "justice system" thrive upon.

First of all, the safety doesn't say safety. It says *Gesichert* which means "made safe" in German. (So you see ladies and gentlemen of the jury, no one could expect poor Mr. Klutz to know what safe-

ty means in German and so it's not *his* fault that he shot his big toe off.)

Secondly, some of the thumb safeties are "on safe" in the up position... and some aren't! Apparently the German navy, which adopted the Luger in 1904 four years earlier than the army, eventually got around to standardizing their *Pistole 1904* with the army's improved *Pistole 1908* and the result was an "on safe" lever in the down position.

(And as you can conclude, ladies and gentlemen, up is 'off safe' with some Lugers and up is 'on safe' with other Lugers, so therefore Mr. Klutz is not at fault for pointing the pistol at his foot and squeezing the trigger.)

Thirdly, some Lugers have grip safeties, and some don't. Some have sear and magazine safeties, and some don't. John Walter has this to say about the various safeties found on Lugers in *Book Of The Luger*: "In the late 1920's, for some reason, the police suddenly insisted on the development of sear and magazine safeties—presumably, there had been some accidents—and many such devices appeared in the period between 1929 and 1933. Most worked; few were needed."

If you happen onto a Luger, the chances are that it's a "down-safe" pistol. The thumb safety on most Lugers is rotated down for "safe," up for "fire."

"Super Artillery" Luger

Besides restoring Lugers to immaculate original condition, John Lawson also customizes the timeless toggle top with an exotic conversion that he calls his "Super Artillery Luger."

One of the most distinctive handguns of the 20th century is the Artillery Model Luger, a long barreled version that was often fitted with a shoulder stock and a snail drum magazine. Eight-inches long, the Artillery barrels were fitted with rear sights, as opposed to the standard four-inch Luger which has its rear sight machined into the toggle.

The primary advantage of an Artillery Model is the increased accuracy from the rear sight being integral with the barrel, permanently aligned with the bore itself, instead of flying around on the back of the toggle during recoil. Additionally, the standard Luger sights are "double acorn" sights, an arrangement of triangle-shaped sights that is awkward to align precisely.

"Americans just don't get along well with that double acorn system. We're more used to the Prtridge system," John explained. In fact, John said the Luger has been given a bum rap for being inaccurate because of those acorn sights.

"A Luger will do what the shooter does—especially the longer barrels," John pointed out.

John's Super Artillery barrel is made from a Shilen match-grade blank. "The heavy bull barrel is as heavy as the Luger carbine barrels of the 1920," John said, "They were 14 and 16 inches in length,

New!
Dual Port
Dual Chamber
Compensator!

QUADRA-COMP II

\$224.95

(+\$3.75 S&H/+\$3.30 COD)



WHY BUY THIS ONE?

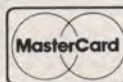
Every time you turn around somebody else is marketing another "me too" drop-in compensator barrel for the Model 1911. The big names, the little names and the no names all have one for sale. How can you decide where to most effectively spend your money? Use your brain! Ask, "why should I buy this one?" Then compare what the QUADRA-COMP II does with what the others don't do.

We boldly claim that the QUADRA-COMP II is the only true drop-in barrel system which is capable of accuracy comparable to a professionally fitted barrel! Yes, accuracy—competition accuracy—is what sets us apart from the rest of the pack. We guarantee that the QUADRA-COMP II will absolutely outperform the others! This one is the only

CENTAUR SYSTEMS, INC.

P.O. Box 1613

Bemidji, MN 56601 (218) 751-8609



drop-in which is adjustable by the user; the only drop-in which guarantees a tight slide/barrel lock-up!

Feature for feature, dollar for dollar, the QUADRA-COMP II is the best value! State of the art dual port/dual chamber comp; stainless match bull barrel (requires no bushing); captive, buffered, full length guide rod recoil system with WOLFF spring; special adjustable slide stop;—all come standard with the system.

If what we state above doesn't satisfy you, write or call for the technical details showing how it's done. Do it now! We have the testimonies of many satisfied users. Add yours to the list.

Please send \$1.00 for brochure, pricing, and technical information. Dealers send FFL and tax permit for dealer pricing.

the BRASS CATCHER*

"It's the handiest on the market"

only \$14.95

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.

Only the RANSOM REST sits in

FINAL JUDGMENT



By eliminating inconsistencies in holding and positioning, the Ransom Rest reduces variables to the gun or ammunition alone. No other method can produce this necessary repeatability. That's why major manufacturers worldwide evaluate their guns and ammunition in Ransom Rests; that's also why serious individual experimenters use it. Over 100 adapter inserts allow testing of a great variety of guns, with automatics feeding from their magazines. Like the professionals, you can prove **beyond doubt** the quality of performance of your gun, your ammunition. See your dealer, or send for a free brochure on the Ransom Rest and its accessories and applications.

Ransom International Corporation

P.O. Box 3845-AHG

Prescott, Arizona 86302

Telephone (602) 778-7899



PARABELLUM
9mm

WALTHER
DOUBLE-ACTION



One of the most modern designs on the market — considered by many top professionals the finest combat-ready 9mm available. The P5 offers flawless Walther double-action, smooth internal safety mechanisms, 8-round mag capacity, plus compact combat styling for maximum low-profile concealability. Only 7-inches in overall length and only 28-ozs. Comes with two magazines. Ask the professional lawman or top gunsmiths about the P5 . . . find out about real quality and top value.

INTERARMS

NUMBER TEN PRINCE STREET, ALEXANDRIA, VIRGINIA 22314
Write For FREE 32-Page Full-Color Catalog of the Complete Interarms Line

HEINIE PREMIUM Drop-In Comp



200-45 Premium Comp Kit (45 ACP).....	\$199.50
201-45 Premium Comp Kit (45 ACP) w/Front Sight	\$229.50
200-40 Premium Comp Kit 40 S&W.....	\$221.00
201-40 Premium Comp Kit 40 S&W w/Sight.....	\$250.00
(40 S&W Kits include (1) Stainless Magazine w/Pad)	
200-10 Premium Comp Kit 10mm.....	\$199.50
201-10 Premium Comp Kit 10mm w/Sight.....	\$229.50

HEINIE SPECIALTY PRODUCTS

323 West Franklin, Havana, IL 62644 (309) 543-4535
SEND \$1.00 FOR COMPLETE LIST OF PARTS & ACCESSORIES



AP
**ACCURATE
PLATING & WEAPONRY
INC.**
"We Do it from start to finish"

Our refinishing is used by:
Action Arms, Alpha
Precision, Bill Rogers,
J.E. Clark, Colt Firearms,
Richard Heine, Mike La,
Rocca, J.M. Plaxco, Behlert
Precision and D & L Sports.

"Enduraguard"

Stainless Steel Finish



"COGAN CUSTOM" Speed
Comp. Customized Comps. for most
semi-autos and revolvers for competi-
tion, carry or hunting.

CUSTOM GUNSMITHING
**COLT AUTHORIZED
SERVICE CENTER**

Send \$2.00 for brochure (refundable with first gun) to
A.P.&W. Inc. 1937 Calumet St. Dept AH, Clearwater FL 34625. Phone (813) 449-9112

but were quite thin. I have always wondered what a bull barrel of Artillery length—eight-inches—would do.

"First, it would require carbine-level loadings to cycle the action, in this case, 6 grs. of Unique behind a Hensley & Gibbs 133 gr. cast bullet, seated out to give adequate capacity to prevent excessive pressures.

"These loads crack through the Mach I sound barrier and slightly flatten primers, but are within the bounds of safety and reason. Do not use this handload in the four-inch barrel configuration! They will probably recoil violently enough to disconnect the recoil spring from its hooks and present major reassembly problems!"

Luger Accuracy

To test the accuracy of the Lawson-restored Luger, I fired sandbagged groups, offhand groups and Ransom Rest groups. The results were rather inconclusive, despite a conscientious effort, because of several weird problems.

The handheld groups didn't work out too well because, as John pointed out, the triangle-shaped sights did not live up to my apparently Patridge-shaped eyeballs. Groups with the four-inch barrel were on the order of six inches at 25 yards and the brand of ammo didn't make much difference. Sandbag results were in the four-inch ballpark.

Handheld groups with the Super Artillery were skewed because the pistol shoots a good 12-inches high at 25 yards with the Wichita rear sight bottomed out. That makes things awkward. However, sandbagged groups, while far from the point of aim, were a tidy two- to three-inches.

Switching over to Chuck Ransom's invention, I found it was difficult to obtain definitive results with the Luger in the Ransom Rest because of persistent jams. The gun never malfunctioned with either barrel during handheld shooting, but the rigid Ransom Rest must have somehow acted to absorb some of the cannon's momentum, thus causing frequent failures to feed. At least that's my guess.

In order to clear the jams, I would have to handle the gun and it's bad news to fiddle with a pistol once its secured in the Ransom Rest. Ideally, you don't touch the gun at all until the shooting is finished because any sort of movement could jiggle the gun out of its precise alignment.

Anyway, after these problems I was able to get five uninterrupted shots with the Super Artillery barrel using a cast lead handload provided by John Lawson and the result was a very impressive 3/4-inch one-hole cluster. Doesn't get much better than that!

The four-inch barrel did not jam as badly as the Super Artillery in the Ransom Rest, so I was just beginning to think that I was going to get some good results when a small part broke inside the gun,

rendering the trigger inoperable. Prior to breaking, I recorded one 5-five-shot group of 2½ inches with Federal ball, which is about typical of what a Luger can average.

Obviously, the design of Herr Luger is capable of outstanding accuracy, as witnessed by the one-hole group produced with the Lawson-custom Artillery barrel. However, the standard "as issued" four-inch barrel with its peculiar "acorn sights" is going to be a tea cup pistol at 25 yards.

A Piece Of History

Accuracy notwithstanding, the joy of shooting a Luger is to experience history in your hands. This is the gun that really started it all, the first successful semi-automatic military pistol. Not only was the Luger a pivotal new handgun, but also the gun was introduced with a new cartridge, the 9mm Parabellum. As Col. Charles Askins has observed, more men have been killed in combat with the 9mm Luger than all other autopistol calibers combined.

Today the 9mm is the standard issue of the US Armed Forces, the NATO alliance plus countless armies the world over. The Luger itself is not in current service because its epochal design has been supplanted with more advanced models like the gas-operated H&K P-7.

The Luger is one of the most glamorous handguns ever made, a distinctive



pistol that has endured the test of time. And those who appreciate the special significance of owning and shooting a piece of history will be glad there's a man like John Lawson who restores the Luger to its original, time-less condition.



Those who would like to contact John Lawson about his beautifully restored Lugers can reach him at The Sight Shop, 1802 E. Columbia Ave., Dept. AH, Tacoma, WA 98404 or call (206) 474-5465.

The author gratefully acknowledges his reliance on the excellent research of John Walter in his definitive reference work, The Luger Book.

American Handgunner extends its appreciation to Mr. Don Wood for the use of the German uniform, medals and other historical artifacts as photo props. Mr. Wood, an avid collector of World War II uniforms, medals and memorabilia, is the owner of Gun South Inc. which imports the fine line of Steyr-Mannlicher rifles.

More Reloading. Less Work.

With Ponsness/Warren reloaders, the shell casing stays in its holder throughout the entire reloading process. All you do is slide the holder arm to each station for fast reloading. Our premium Metallic II design loads 150 rifle or pistol rounds per hour and comes with an automatic primer feed to avoid contamination. Our semi-progressive Metal-Matic P-200 for pistol reloading averages 200 straight wall cartridges per hour, plus, holds two calibers at once. Both reloaders also accept all standard powder measures, shell holders and dies (not included). Order your choice today.

Choose from these quality accessories, too:

- Optional Die Heads—For additional caliber capacity.
- Powder Measure Extension—Raises powder measure above surrounding dies. Fits standard measures.
- CAL-DIE Bullet Seating Die—Speeds up the bullet seating by 25%.
- Dust Cover—Protects your investment from dirt and moisture.

Call for a catalog, price sheet and name of the dealer nearest you.



PONSNESSE/WARREN

P.O. Box 8 • South 763 Hwy 41 • Rathdrum, ID 83858 • (208) 687-2231



IHMSA 15th Anniversary Match

By Dick Williams

The southern Arizona scenery was spectacular coming out of the Baboquivari mountains toward Tucson. In addition to the giant Saguaros, mesquite trees, and various cactus plants I couldn't identify, there was an abundance of lush ground cover from the late summer rains that enhanced the high desert's beauty. I thought that this would be a great place to introduce handgun silhouette shooting to the world.

Like most of my great ideas, this one was a little late. I was on my way to participate in the 15th Anniversary of handgun silhouette shooting at the Tucson Rifle Club where the first match was held in 1975.

I missed that first match but managed to catch the next one, called the First Western Regional, which was held in southern California during the summer of 1976.

I was hooked the moment my S&W .44 Magnum knocked that first chicken from its stand with a soul-satisfying *clank*. What followed were several years promoting the sport as Colorado's first state director leading to even more years enjoying handgun hunting in several of the western states. For this anniversary event, I was looking forward to some

"then and now" reminiscing.

The revolvers on line were dominated by Dan Wessons and Freedom Arms. There was a smattering of other wheel guns on the line, and one of them, a 10 inch Ruger .44, was hauled to the line by Major Golden of Tombstone, Ariz., who shot a 32 standing to win the match. Never argue with a man from Tombstone who can shoot a .44 Maggie like that!

Speaking of revolvers, Freedom Arms had sent their prototype .22 wheelgun down, and it was available for anyone to try. It's the full-size frame with a shortened cylinder, and does it shoot! Appropriately, the 15th Anniversary Match had a couple of shooters celebrate their first 40's. Congratulations to Don Miller and Dennis Taylor. Perhaps equally appropriate, there were a number of 39's with one shooter missing his first 40 by missing—you guessed it—his last ram!

Frank Scotto, president of IHMSA came and shot, but it was his son, Frank Jr. that won the family honors taking High Junior. Frank Senior spent some time mending fences and ending rifts with some of the southwest clubs that have gone from IHMSA to NRA sanctioned matches.

Frank's message was short and sensible, "Put the sport back in the hands of the shooters." We wish Frank the best of luck in returning silhouette shooting back to the growth sport category.

Since this was an anniversary match and welcomed shooters from both IHMSA and NRA, it was a little surprising that no NRA officials attended—perhaps they were all in Washington.

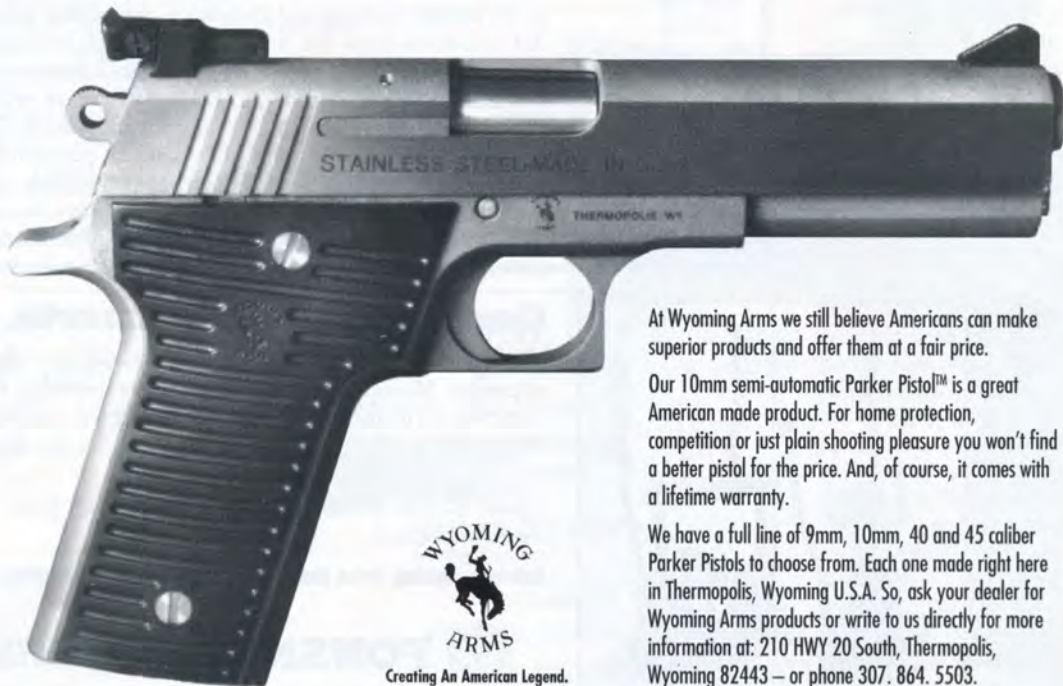
The other equipment evolution of interest is the focus on soft-set rams, or "glass rams" as they are sometimes called. I remember the concern in the late '70s about shooters coming to the line with elephant-size loads in antelope-size guns trying to knock down those stubborn rams.

If memory serves, silhouette shooting (particularly at the rams) was intended as a test of both power and accuracy. Sometimes rams and pigs remain standing just as turkeys and chickens turn without falling. I personally think its good to ring a ram occasionally: it builds character, it teaches humility, it generates sympathy and might even get you a free beer after the match!

Trophies were made and donated by Arizona's IHMSA state director, Paul Longmore and his wife Cissy. It was everything this family oriented sport was intended to be, a fitting celebration of 15 years of silhouette shooting!



AMERICAN SUPERIORITY.



At Wyoming Arms we still believe Americans can make superior products and offer them at a fair price.

Our 10mm semi-automatic Parker Pistol™ is a great American made product. For home protection, competition or just plain shooting pleasure you won't find a better pistol for the price. And, of course, it comes with a lifetime warranty.

We have a full line of 9mm, 10mm, 40 and 45 caliber Parker Pistols to choose from. Each one made right here in Thermopolis, Wyoming U.S.A. So, ask your dealer for Wyoming Arms products or write to us directly for more information at: 210 HWY 20 South, Thermopolis, Wyoming 82443 — or phone 307. 864. 5503.



Creating An American Legend.

the HYBRID

It took a rocket scientist to figure this one out. It's called the Hybrid and it's a radical new concept in compensators.

Interview by Cameron Hopkins
Photo by Ichiro Nagata

United States patent number 4,942,801 says that Wil Schuemann has a better mousetrap. Wil is a rocket scientist who used to work for Hercules Powder Company designing solid rocket propellants where he learned, as he puts it, "a great deal about nozzling."

When Wil took up IPSC shooting, he quickly realized that the popular "expansion chamber" compensators were not optimal. That's when he began work on the Hybrid system. The Hybrid is a small rib that is silver-soldered to a pistol barrel with a row of funnel-shaped holes drilled through. A non-stress-bearing portion of the slide is milled away to accommodate the Hybrid rib.

The number of holes in the Hybrid varies with the length of the barrel. The 3" Officers Model utilizes three holes, a 4" Commander has four holes and a 5" Government Model sports five holes.

Our testing of a Caspian Arms "Commander" custom built by Jack Weigand incorporated the first integral Hybrid barrel. Previously, the Hybrid rib

was sold separately to be installed by silver-soldering it onto a barrel. Caspian Arms now markets a match-grade barrel with the Hybrid system as an integral part of the barrel.

We discovered that the four Hybrid ports in the Caspian Commander averaged within five feet per second of a standard Officers Model. In other words, you get Officers ballistics (3" barrel) with a Hybridized Commander (4" barrel). Velocity loss of the Hybrid Commander barrel compared to a standard Commander barrel averaged 52 fps with four different .45 ACP loadings.

We spoke with Wil Schuemann about his remarkable design:

Handgunner: Could you explain the "nozzle theory" behind the Hybrid?

WS: If you put a hole in the wall of a pressure vessel, you get a force that is equal to the product of the area of the hole times the pressure in the vessel. That's comparable to the porting situation on all conventional compensators.

However, if you place a specially shaped expanding cone on the outlet of that hole, then you realize an increase in thrust of about 50%.

Handgunner: What size are the Hybrid's nozzles and how do you determine the number of holes?

WS: The ports themselves are .16" in diameter at the bore and .25" in diameter at the top of the rib.

The aft hole position is determined by the requirement that it be located forward of the most forward radial locking lug (of a 1911 pistol). And the most for-



ward hole position is determined by the requirement that it be aft of the front sight.

Handgunner: *How did you determine the optimal size and number of nozzles?*

WS: We made a test fixture consisting of a shoulder joint, an arm, a wrist joint and a hand. The shoulder and wrist muscles were simulated with springs and the weights of each element and the spring tension were adjusted such that an uncompensated firearm, when discharged, moved the fixture similarly as when that same firearm was fired by a moderately experienced shooter.

What we did was install the Hybrid on this apparatus and adjusted the number and size of the holes so as to optimize performance. During the testing, the motion of the arm and the wrist were measured.

Handgunner: *How does the Hybrid work?*

WS: The Hybrid uses nozzles instead of typical holes, which gives it a 50% advantage to begin with.

The second element of the design has to do with gas utilization. In a conventional comp gun, when the bullet clears the muzzle, we can assume that roughly half of the gas goes out through the upper port and half goes out in front of the gun. The reason is that the time it takes for the gas to travel down the length of the barrel is much longer than the time it takes for the bullet to clear the compensator.

Now multiple-chamber comps— this is an aside— are an attempt to improve the percentage of gas that ends up going upward instead of forward.

Now in the Hybrid, the muzzle is still plugged by the bullet while the gas is being vented and therefore almost all the gas goes upward through the ports before the bullet leaves the muzzle.

Handgunner: *What about velocity loss if most of the gas escapes before the*

bullet leaves the barrel?

WS: We know intuitively that the bullet achieves 90% of its final velocity in the first two inches of bullet travel. We gain very little velocity in the last two inches of the barrel.

Handgunner: *Excuse me, are you talking about a five-inch barrel?*

WS: Any length, it doesn't matter.

Handgunner: *Sorry for interrupting, please continue.*

WS: Where were we? Oh yes. The bullet base is what we're concerned about, and the bullet base is within about half an inch of the breech face before it's fired. So even in the Commander, we have four inches of bullet travel before it clears the muzzle.

When the bullet travels the last two inches, the amount of pressure in the gas drops to less than half of what it was when the bullet was in the middle of the barrel while we gain very little additional velocity.

Therefore, the ordinary compensator has to work with less than half the pressure of the Hybrid because the Hybrid is dumping gas when the bullet is in the middle of the barrel!

Handgunner: You could reload to get back that velocity?

WS: Yes, in order to maintain the original muzzle velocity, the propellant charge needs to be increased by 0.3 grains. This additional propellant raises chamber pressures by approximately 1,500 PSI.

Also, this additional pressure that reestablishes original muzzle velocity is available to the Hybrid to provide increased compensation.

Handgunner: You're talking about a .45 here. That wouldn't be the same with a .38 Super would it?

WS: Yes. We've found the 0.3 grain increase applies to everything.

Handgunner: You are selling the Hybrid as a separate component, but Caspian Arms is selling integral barrels with the Hybrid. How did that come about?

WS: Caspian has an exclusive license for all 1911 after-market Hybrids. They have a non-exclusive license for all other

The effect of the Hybrid on accuracy is to improve accuracy by 20%.

applications.

Handgunner: Are any other gun companies looking at the Hybrid?

WS: My ultimate goal is to sell the Hybrid in a box gun that's sold across the counter. Right now Glock has one on their Model 22 for testing in Austria. Or is it the Model 23? Anyway, it's the .40 S&W model.

Also, Smith & Wesson has looked at one on the Model 3914, but I haven't heard anything from them. Right now the FBI has initiated a test program on the Model 1076 and the Hi-Power, both Hybridized. The DEA has a test gun on the SIG 220.

Handgunner: Conventional wisdom says that if you drill a hole in a rifle barrel, you will raise a burr that will ruin accuracy. How do you get around that?

WS: Burrs didn't affect accuracy. Some people polished them out, but some of the lazier ones just left the burrs in there. I'm not recommending that, but it just has never caused any trouble.

Handgunner: You're saying the Hybrid doesn't affect accuracy?

WS: The effect of the Hybrid on accuracy is to improve accuracy by 20%. The explanation is probably that the action of the Hybrid pushes the barrel down firmly



Get a Grip on Shot After Shot Consistency

At the 1990 Bianchi Cup, the first and third place winners both used Pachmayr grips.

Steve Weber, the third-place finisher, was kind enough to share this testimonial with us, as to why he chose Pachmayr:

"From the first time I picked up a set of your Professional Grippers I knew they were the grip for me. The consistency and reliability of

your grips are an integral part of my shooting equipment. As I'm sure you are aware, shot

after shot consistency is essential in competition shooting, and your grips make that a lot easier."

Pachmayr grips...the Champion's Choice. See your firearms retailer, or call us at 1-800-423-9704.

Pachmayr salutes these top-25 Bianchi Cup finishers who used Pachmayr grips.

1. Doug Koenig
 3. Steve Weber
 10. Rob Leatham
 11. Andy Shrode
 12. Brian Enos
 15. Ken Tapp
 17. John McNally
 - 19 (tie). Herb Conly
 25. Riley Gilmore
- They're all champions!

Write for COLOR CATALOG. Send \$2 for postage & handling.



Pachmayr

The Champion's Choice™

1875 S. Mountain Ave., Monrovia, CA 91016 • (818) 357-7771



- COMPETITION
- RECREATIONAL
- PRACTICAL SHOOTING ACCESSORIES

1-(800) 888-4677

975 Fairway Drive
Walnut, CA 91789
TEL: (714) 598-9854
FAX: (714) 598-9073



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 FAX (314) 696-2266



WE HAVE YOUR SPRING!

COLT

1911
Delta Elite
Commander
Government
Officers Model
Mustang

BROWNING

1935 (Hi-Power)
BDA
1900
1910/1934

BERETTA 92

CZ-75, TZ-75
GLOCK 17 & 19
HI-STANDARD
RUGER P-85

SMITH & WESSON

39 Series, 59 Series
3904, 3906, 5903, 5904, 5906
645, 745, 4506
469, 669, 6904, 6906
3913, 3914, 4516-1, 1006

SIG-SAUER

P-220
P-225
P-226

TAURUS

PT-92
PT-99

WALTHER

PP, PPK, PPKS
P-38, TP
Models 4, 5, 8, 9

VINTAGE PISTOLS

Astra, Bernardelli, Colts,
CZ, Dreyse, Galesi, Luger
Mauser, Ortgies, Tokarev

W. C. Wolff Company offers a wide selection of recoil, hammer, magazine and other springs for these and many other semi-automatic pistols, revolvers, rifles and shotguns. Send \$2.00 for our latest catalog.



w lff company



GUNSPRINGMAKERS

P.O.Box I, Dept. 381, Newtown Square, PA 19073

1-800-545-0077

into the slide and frame while the bullet is still in the barrel.

Mechanical alignments are more reproducible when the gun is fired. In addition, the Hybrid reduces the pressure in the barrel to approximately 3% of the peak pressure before the bullets leaves the barrel, so the normal violent motion of gas escaping between the muzzle and base of the bullet is essentially eliminated.

Handgunner: *On another matter, it's been said that the muzzle flash is pretty spectacular in darkness. Considering that a bright muzzle flash could blind the shooter, isn't this a drawback to the Hybrid on a self-defense or duty gun?*

WS: The muzzle flash is no different for Hybrid than any other gun in terms of its intensity. The flash occurs as a ball of flame in front of the muzzle which is directly in the line of sight of the shooter. On the Hybrid, the flame is completely above the gun and there's no flame in front of the gun.

Because of the temperature and velocity of the gas coming out of the muzzle, the flame does not become incandescent until it is about an inch or so above the line of the gun. That is not in the line of sight of the shooter.

Recently low-flash powders are becoming popular and Scott Powder Company has essentially zero-flash powders available. I expect the other manufacturers will supply low-flash powders shortly.



Readers interested in contacting Wil Schuemann for a Hybrid rib should call (702) 885-7362 or write to 705 Wagner Dr., Dept. AH, Carson City, NV 89703. Readers interested in the integral Hybrid barrel from Caspian Arms should call (802) 472-6454 or write to 14 North Main Street, Dept. AH, Hardwick, VT 05843.

HUNTING

Continued from page 18

With a little luck the little ring of jacket material shaved off will fall out when the case is ejected. Jacket material and lead from cast bullets can build up in the end of the chamber and a heavily crimped .454 round chambered and fired with no place for the crimped case to go.

I believe the end of the chamber may also become "peened" in some cases causing other problems. Cylinders aren't cheap— certainly not as cheap as .454 brass. It's a false economy to try to save a few bucks by using .45 Colt brass in the .454 chamber.

New PACT Timer

PACT— a very well known name to many of you— recently did me a big favor. Shortly after the first of the year I

spoke with owner Ronin Colman about the feasibility of using his timer to determine the rate of fire of machine guns. To the best of my knowledge there was no simple, reliable device in production to perform this task.

He advised me that the PACT timer as it was being produced was not capable of

Got a "bad" magazine? Does it feed smoothly or in a jerking manner? The PACT timer will tell.

accurately performing this function. Experimenting with Butch McCorts unit had already led me to believe that that was the case.

However, Ronin said it would be easy to program RPM (Round Per Minute) mode into the software and he would have one for me by the end of the month. It arrived January 27th.

Ronin advised me that it was the first attempt at writing that program and if I found any problems to let him know what they were. He also explained some of the workings of the mechanism and warned me of a few things to look out for—particularly during indoor shooting since the timer may reject a shot thinking it was an echo.

He was right—the timer so far has missed recording *one* shot from a burst from a full-auto 10-22 indoors. That is the only malfunction of the timer so far—if it can even be truly called a malfunction.

I'm still learning about the unit and its uses but it seems each time we use it a new use becomes apparent. Obviously the final readout of rounds fired per minute allows the rate of fire of a particular weapon to be determined.

The readout of the time between shots also tells us a lot. So far this has been interesting. For example Remington High Velocity was used in this test string with the standard Ruger magazine except for the noted exceptions.

Clean gun—1,267 RPM. RamLine magazine clean gun—1,158 RPM when it (the magazine) worked. Fairly dirty gun—1,184 RPM. Dirty gun with more oil in it—1,197 RPM. Winchester Super Max clean gun—1,491 RPM. Same ammo but dirty gun—1,381 RPM. Remington Thunderbolt—1,054 RPM. Remington Viper—1,463 RPM.

The timer exhausts its capability to time rate of fire at 2,000 RPM, but few guns will exceed that figure.

In working with a Thompson with one ammunition in stages, the rate of fire was increased from 460 RPM to 1,316 RPM.

Continued on page 106

The World's Best CompsSM Shoot Major with a 5 lb. Spring!

Our competitors would have you believe spring weight means nothing. Let's see 'em beat the *Muzzle rise* of a fast-cycling gun with a 5 lb. spring! *Recoil?* Would we want you to shoot with a 5 lb. spring if it kicked harder?

Kit \$285



Vic Lite, 152gr.45 Bullets \$37 PER M +S&H

©1991 SEND FOR FREE PISTOLSMITH WORKLIST & CATALOG
VIC INTERNATIONAL (216) 572-0323 We Build Full-House Guns
 18056 Ledgepoint Pl. • Strongsville, OH 44136
 VISA

"IF YOU DEMAND THE VERY BEST"



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

BROCHURE - \$1.00

MILT SPARKS HOLSTERS INC.

605 E. 44th St. #2A
 Boise, ID 83714-4834
 Phone/Fax (208) 377-5577

#EX Executives Companion



A new inside the waistband holster designed with maximum comfort, convenience, and concealment in mind. The #EX features an interchangeable belt loop system which will allow the wearer (with the purchase of additional loops) a perfect fit on a variety of different belt widths. Available for most auto's.



Mastercard/Visa
 \$2.00 for catalog



GLOCKS 9x21mm Conversions



J.A.F. GUNSMITHING, INC.
 6425 S.W. 50th Street
 Miami, Florida 33155
 Tel. (305) 662-9407

Steel Front Sights
 Custom Heights
 & Widths ... \$29.95

Wichita Adjustable
 Combat Rear Sight
 installed \$200.00

Double Chamber
 "Big Mouth" Compensator installed \$400.00
 (does not include barrel).

Stainless Steel Recoil Spring Guide Rods
 available for all models.

ACTION-VIDEO PRODUCT-CATALOGUE... \$10.00
 Price of video can be applied toward any
 purchase over \$100.00
 Shipping & Handling \$3.50
 Price list only \$1.00

1991

GUN PARTS CORP

SUCCESSORS TO NUMRICH ARMS PARTS DIVISION
 THE WORLD'S LARGEST SUPPLIER

Featuring an inventory of over 350 million gun parts in house. A500+ page catalog with exploded drawings that are invaluable to the gunsmith or hobbyist. Commercial, military, antique and foreign gun parts (many exclusively available from us) are listed and priced along with accessories, surplus & specialty items. —will pay for itself time and time again—
350 MILLION GUN PARTS INVENTORY



OF GUN
PARTS

U.S. send
\$5.95

SURFACE FOREIGN
 \$10.95 - AIRMAIL WRITE FOR QUOTE

GUN PARTS CORP. BOX#H7W. HURLEY, NY 12491 914-679-2417 FAX 914 679 5849

BY JOHN TAFFIN

TAFFIN TESTS

It was an idea that had to come to fruition. The 1899 .38 Special was lengthened to the .357 Magnum in 1935, the 1908 .44 Special was lengthened to the .44 magnum in 1955, and they became two of the most popular sixgun combinations available.

have been tremendous successes, the .45 Win. Mag. is still offered only in one ammunition style, namely the 230 grain hardball .45 ACP bullet. The reason is quite simple. The promised semi-automatics chambered for the .45 Winchester Magnum never really materialized.

has found two permanent homes, semi-auto style, in the Grizzly from L.A.R. and the AutoMag IV from iAi.

The .45 ACP has been magnumized with style!

It is impossible to look at the cartridge without first looking at its most prevalent chambering, the Grizzly. The L.A.R. Grizzly looks much like a Government Model on steroids and to this shooter was an intimidating handgun, at least at first.

I've shot 'em all. All the big ones from every make and style of .44 Magnum through the .454 Casull and the .475 and .500 Linebaughs. All of these guns generate considerable recoil but none put me on the defensive as did the Grizzly .45 Win.Mag.

The problem is not recoil. The problem is grip shape. To allow the Government Model grip frame shape to accommodate magnum-style cartridges it must be made much wider from front to back

the .45 WinMag

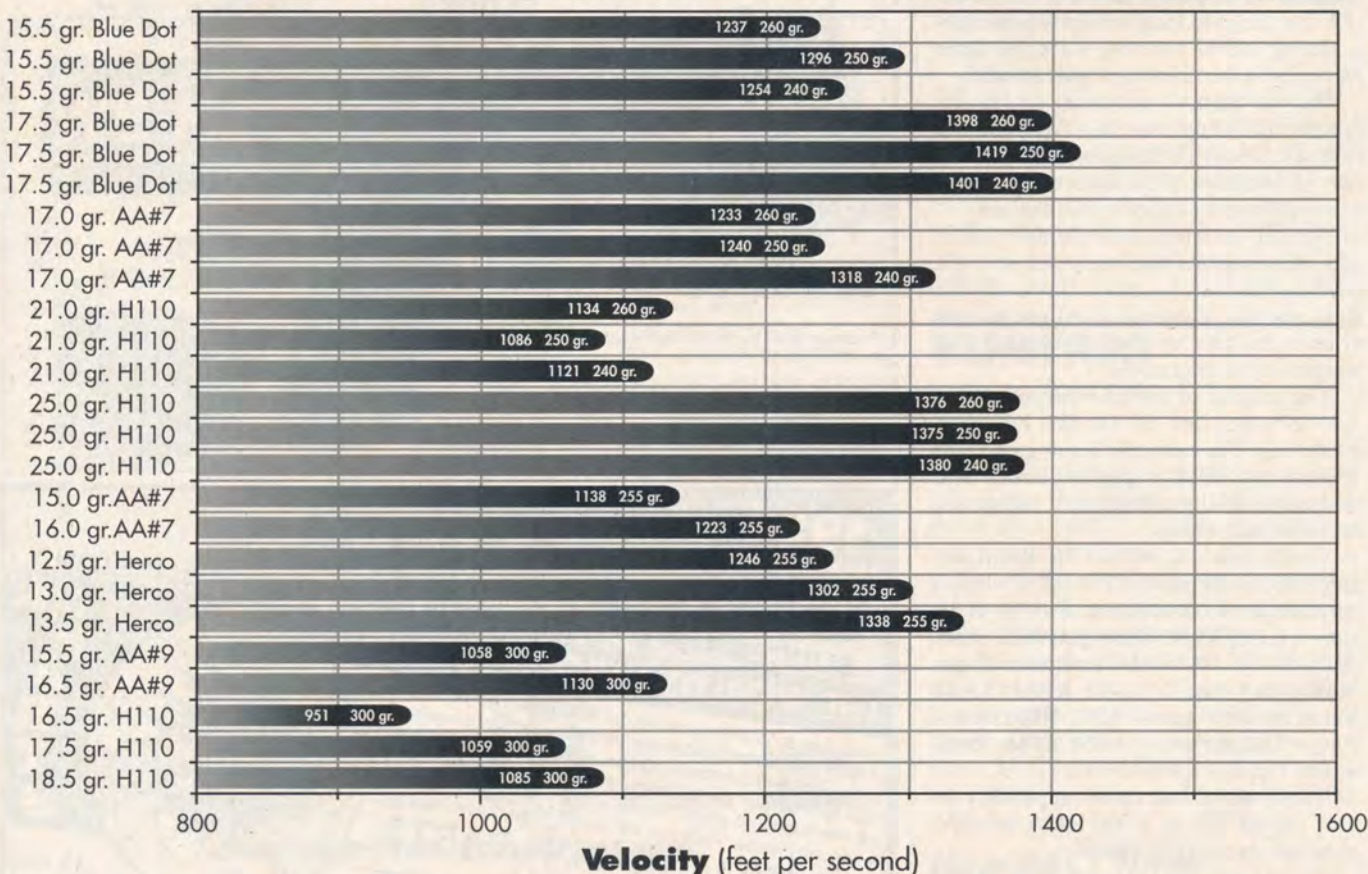
What about the semi-autos? The .45 ACP had been around since well before World War I, but no one lengthened the .45 ACP until Olin was convinced to stretch the legendary .45 Auto cartridge to the .45 Winchester Magnum in 1979 for use in the Wildey pistol.

And while the .357 and .44 Magnums

The first gun was to be the Wildey which has been an on-again, off-again proposition for years.

But the .45 Win. Mag. did find a home in the Thompson/Center Contender and my shooting buddy swears by his Super 14 Contender .45 WM as a superbly accurate handgun. Now the Win. Mag.

High Performance Favorite Loads For The .45 Win Mag



WARNING: Neither the author nor American Handgunner accept responsibility for results obtained with this reloading information due to the inherent variation in handloading components and individual reloading techniques.

and this does not mate well with short stubby fingers.

I felt that I did not really have a secure hold on the Grizzly as I began to test-fire the .45 Magnum. I actually felt that I would not be able to hold onto the big .45. Familiarity did not breed contempt in this case as the more I fired the Grizzly the better it felt, and I now don't even notice the grip girth.

The .45 Win. Mag. operates and strips like a Government Model and conversion kits are available in 10mm and the bottle-



necked .357/.45 WM. L.A.R. also offers a compensator that replaces the standard bushing and definitely reduces felt recoil. (For further information on The Grizzly contact L.A.R., 4133 West Farm Rd., Dept AH, West Jordan, UT 84084.)

The .45 Winchester Magnum cartridge is .3" longer than the standard .45 ACP cartridge and theoretically at least can be reloaded with .45 ACP dies. I use an RCBS .45 WM four die set that includes a taper crimp die which I consider mandatory for reloading the .45 WM or any heavy recoiling semi-automatic cartridge.

I say I use the RCBS four die set, but it is not quite so simple. Actually these four dies plus two others are needed to successfully load for the .45 WM.

The .45 WM brass takes a considerable beating when fired in the Grizzly. Ejected empties come flying out, leaving brass skid marks across the top of the slide, and unless caught with some type of brass catcher, wind up 55 to 60 feet behind the shooter. When retrieved, the brass is almost hopelessly out of round. So much so, at least, that it will not enter the .45 WM sizing die.

To reclaim the brass, I first use a NexPander tool (available from NEI) that is an extremely valuable addition to any reloading bench. The NexPander is a cylinder approximately three inches long by .900" in diameter with a tapered pin on each end. One tapers from approximately .500" to .350" and the other about

.350" to .200".

It is used, as its name claims, to expand necks of brass cartridges by simply tapping the bottom of the brass on the bench as the tapered pin is entered in the mouth of the brass. It is also invaluable for "rounding out" bent and misshapen cartridge mouths.

The mouths of .45 WM brass are first "nexpanded" and then the cases are ready for standard handling. Almost. The mouths are still too crooked to enter the .45 WM sizing die, so all brass is then

run through a .45 Colt carbide sizing die.

A f t e r these first two steps, then the .45 WM brass is ready to be run through the four RCBS dies to result in a loaded .45 Win. Mag. round.

The .45 Win. Mag. is definitely a reloader's cartridge as

the factory round, the 230 grain roundnose FMJ, or hardball, is good only for... for... Hmmm? I really can't think of anything.

Muzzle velocity of the factory Winchester round clocked 1,392 fps from the six-inch barreled Grizzly and compares with the Federal 240 gr. JHP .44 Magnum round that goes 1,465 fps from a 7.5" Ruger Bisley and 1,380 fps from the 5.5" inch Ruger Redhawk.

I consider the factory round as maximum. Any attempt on my part to exceed this velocity with Sierra 240, Hornady 250, or Speer 260 grain jacketed bullets resulted in much higher pressures as read on the flattened primers. I would definitely consider 1,400 fps as absolute maximum with this weight range bullet in the .45 Winchester Magnum.

Powders used in reloading the .45 Win. Mag. are Hercules' Blue Dot and Herco, Accurate Arm's AA#7 and AA#9, and Hodgdon's H110. The above mentioned Sierra 240, Hornady 250, and the Speer 260 JHP's all work well in the .45 WM. All loads are assembled in Winchester brass with CCI #350 Magnum Primers.

Favorite loads with Sierra 240 gr. JHP are 15.5, 16.5, and 17.5 grains of Blue Dot for muzzle velocities of 1,254, 1,326, and 1,401 fps; 17.0 grains of AA#7 (1,318 fps); 13.0 and 13.5 grains of Herco (1,258 and 1,285 fps respectively); and 25.0 grains of H110 for a maximum load at 1,380 fps.

Going up the weight scale to the 250 gr. Hornady JHP, most accurate and most

avored loads are 16.5 and 17.5 grains of Blue Dot for 1,331 and 1,414 fps, and 25.0 grains of H110 for 1,375 fps.

Milder loadings that show excellent accuracy with the 250 gr. Hornady in are 17.5 grains of AA#9 for 1,041 fps and 21.0 and 22.0 grains of H110 for 1,086 and 1,169 fps.

Speer's 260 gr. is the heaviest jacketed bullet available for use in the .45 Win. Mag. and proved to be the most accurate jacketed bullet in my test L.A.R. Grizzly. Best loads turn out to be 15.5 and 16.5 grains of Blue Dot for 1,237 and 1,304 fps, 16.0 and 17.0 grains of AA#7 (1,156 and 1,233 fps respectively), 12.5 grains of Herco for 1,185 fps and again 25.0 grains of H110 for 1,376 fps.

Actually 25.0 grains of H110 proved to be an excellent load for all three jacketed bullets, Sierra's 240, Hornady's 250, and Speer's 260. Again consider this a maximum load.

Blue Dot is an excellent powder for use in the .45 Win. Mag.

Any of these three bullets turn the .45 WM into an excellent hunting handgun or silhouette pistol. Of course the retrieving of brass becomes a real problem when using the .45 Magnum in silhouettes. And where the hot, fired and extracted brass winds up could make one very unpopular with fellow shooters.

Switching to cast bullets for the .45 Win. Mag., I went with Bull-X's (102 S.Main St., Dept AH, Farmer City, IL 61842) 255 gr. SWC .45 Colt bullet. These bullets proved to be highly satisfactory in the .45 WM and favorite loads turned out to be 18.5 grains of AA#9 at 1,215 fps, 12.5 grains of Herco for 1,246 fps, and 22.0 and 23.0 grains of H110 for 1,275 and 1,342 fps respectively.

These loads would work fine for hunting medium-sized game at reasonable ranges and puts the .45 WinMag right alongside a heavy loaded Ruger .45 Colt. BRP bullets are assembled with 16.5 grains of AA#9 at 1130 fps, and 17.5 and 18.5 grains of H110 for 1085 and 1130 fps muzzle velocities. All of these are the equivalent of the loads that I use with the same bullet in the .45 Colt for use in the Ruger Bisley and Blackhawk and the Freedom Arms .454 Casull and they are perfect close-range hunting loads and excellent long-range fun-shooting loads out to 800 yards. When shot over dusty ground, it takes a few seconds but they do raise a lot of dust when they hit.

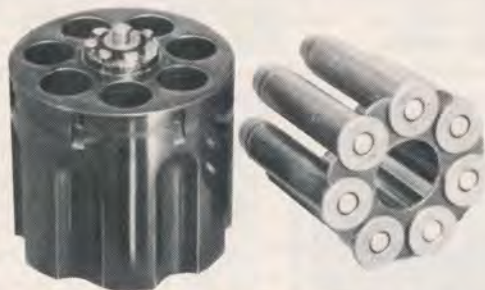
The .45 WinMag is actually quite a good cartridge and definitely in the true Magnum class. With a longer barrel and better sights, the Grizzly would do fine as a long range silhouette pistol. While definitely too large to be carried as a defensive or law enforcement weapon, it would make a fine hunting pistol when properly handloaded. I am anxious to see how the .45 WinMag AutoMag IV feels and handles.



7 SHOT .357 MAG REVOLVER

(Conversions for S & W Model 27)

**EXTRA CAPACITY
FASTEST RELOAD
MAGNUM CALIBER**
(Patents Pending)



6 SHOT .357 MAG FULL MOON CLIPS FOR S&W L-FRAMES

Patent Pending
Conversion Includes: **\$99⁰⁰** +S&H
Machining Cylinder,
Chamfering Chambers, 6 Full Moon Clips,
Brass Removal Tool and Test Firing.



BAUMANNIZE INC

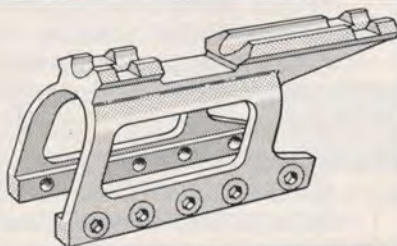
4481 Sunrise Highway, Bohemia, NY 11716-4602
516-567-0001

Ask About
Our Dealer
Program



WEIGAND'S 3RD GENERATION SCOPE MOUNTS

**NOW AVAILABLE FOR 1911'S
COMING SOON - MOUNTS FOR CZ'S**
• LIGHT • STRONG • LOW
FULLY TESTED... A PROVEN WINNER!



Congratulations Jack, Winner of Maryland's, Pennsylvania's & New York's Action Championships

- NEW LIGHTWEIGHT
A-2 HAMMERS
- TITANIUM FIRING PINS



- NEW! HARDER SLIDES
WITH FINER SERRATIONS
- .38S, .40SW SUPPORTED
RAMP 6" BARRELS

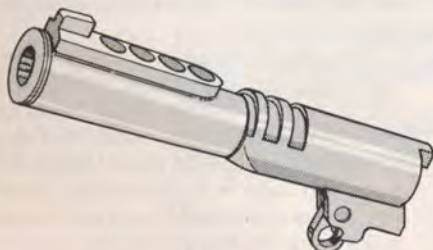


Caspian
ARMS LTD.



14 NORTH MAIN STREET, HARDWICK, VERMONT 05843
802-472-6454 FAX 802-472-6709 CALL OR WRITE FOR BROCHURE

Congratulations Kay Clark, Top Lady at the Masters



HYBRID BREAKTHROUGH

ONE PIECE BARREL COMPENSATOR

NOW A LIGHT SHORT GUN CAN
DO WHAT A LONG HEAVY ONE DOES
IDEAL FOR CARRY OR STEEL
GREAT FOR IPSC!

AVAILABLE 1991

Congratulations Bruce Piatt, Winner of Soldier of Fortune

Until the timer was here we had no idea of the progress we were making or the rate achieved. Certainly we knew we were doing something—but not really what sort of gains could be attributed to what modification.

Interestingly my Reising, which is supposed to be a slow 450-500 RPM without any special tuning, turned in 920 RPM on the timer. A Swedish K rated at 450 did 460 with Egyptian ammo. An FN D in 8mm did 360 on slow rate and 620 on fast rate which still *seemed* slow compared to the 650 of a 7.62 X 39 RPK.

Assume you have a very reliable load, gun and magazine. It is simple to see what effect changing any one of the components of the whole will make. Since the timer also records and prints out the time span between shots changing bullet shapes may show a "stumbling" on the feed ramp that could lead to jams while showing an essentially identical rate of fire as a totally reliable system.

It could also show a major slowing of the rate of fire which could point toward the possibility of misfires and/or jams. The recoil impulse of various ammunition utilizing different powders to produce the same velocity may be different—the change in rate of fire will show it without grandiose study.

Got a "bad" magazine? Does it feed smoothly or in a jerking manner? The PACT timer will tell. So far I've not been able to see any difference in rate of fire by applying any of the "Miracle" oils compared to any other oil.

In the past the timing of a series of shots with competition timers was accomplished with simply decimal fractions of seconds to look at. Rate of fire per minute had to be calculated from those figures. Without exception everyone so far who has used this timer has preferred the RPM figure.

Frankly, for me the difference of a revolver string or six at a rate of 220 RPM or at a rate of 277 RPM is a lot more meaningful than a decimal fraction, although the meaning is exactly the same.

Obviously in major competition the split second will continue to be the deciding factor. It does seem to be a lot more fun to compete with your buddy as to who can get the highest rate of fire out of a revolver or auto pistol. One stumble on the trigger can cost you over 100 RPM. This is really a fun feature as well as being very useful.

While the RPM factor is a very useful tool to anyone involved in automatic weapons such as a police armorer—particularly servicing them or selecting ammunition for them—the fun factor is fully as important.

The uses are practically unlimited. In addition the PACT is a timer for shooting, a chronograph and is capable of printed readout. Its compact, lightweight, and

inexpensive enough to provide excellent quality without breaking you. And most importantly, it works.

Now for the kicker. If you want the RPM option on your new PACT you must tell them you want it when you order. *No extra charge* to include this feature! However, time is money and materials are money too. If you already own a PACT and would like to add this feature to your unit it will cost you the staggering sum of twenty bucks and shipping costs.



AUTOPORTING

Continued from page 55

slammed back as she did with her own gun.

Many law enforcement agencies are allowing those who are qualified to carry .45 Autos. Now we get into an area where porting could make a significant difference. The reduction in muzzle rise and felt recoil allows the .45 to be brought back on target in less time, which could be crucial in a firefight. Two .45 Autos that come quickly to mind as definitely needing porting are the little Colt .45 Officer's Model and the Smith & Wesson Model 4516. Long strings of fire with these dandy little .45's would find the shooter very appreciative of Autoporting.

With the 10mm, especially in a Colt Delta Elite, we are getting up into heavy recoil for a standard weight semi-automatic pistol. Most shooters report that the 10mm is downright nasty with full-house loads in the Colt.

I find that the recoil of the Colt 10mm with full loads provides a wrist-wrenching

Running the ported 10mm against the unported 10mm, my immediate reaction was "What a difference a couple of little holes can make!"

type of recoil to me that is actually more painful in a long firing string than say a .44 Magnum, .454 Casull, or .500 Linebaugh. These big sixguns provide plenty of recoil that smack right into the palm and knuckle. The Colt 10mm, however, by-passes the pain in the hand and instead torques enough that I feel it in the more vulnerable wrist of my shooting hand.

Running the ported 10mm against the unported 10mm, my immediate reaction was "What a difference a couple of little holes can make!"

CALIFORNIA GRIP

A BETTER MOUNT FOR BETTER SHOOTERS

★ CAL GRIPS FITS S&W MODEL 52 AND 39 & 59 SERIES

\$80.00



★ ADJUSTABLE BBL WEIGHT (52 ONLY)

\$55.00

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

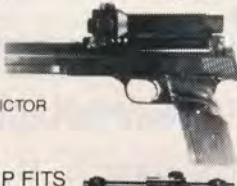
\$80.00



★ S&W MODEL 41 TOP RAIL MOUNT LONG OR SHORT BBL

\$50.00

RAIL COVERS FRONT AND REAR SIGHTS

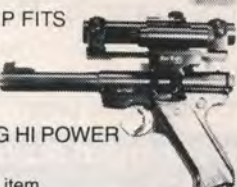


★ HIGH STANDARD VICTOR TOP RAIL MOUNT

\$50.00

NEW ★ CAL GRIP FITS RUGER MK I & II FITS NEWER SLIDE RELEASE MODELS

\$80.00



NEW ★ BROWNING HI POWER

NEW ★ S&W 645

H.I.S. \$3.00 on each item

CALIFORNIA GRIP

P.O. Box 8143 Fresno, CA 93747-8143
(209) 299-1316

LEARN GUN REPAIR

MAKE EXTRA MONEY AT HOME IN YOUR SPARE TIME

YOU CAN BE AN EXPERT GUNSMITH IN LESS THAN SIX MONTHS

START NOW AND GET INTO A CAREER YOU'LL REALLY ENJOY!

PROVEN METHODS - CHARTS - EXPLODED VIEWS ACCREDITED & APPROVED BY STATE & NATIONAL AGENCIES & BY THE V.A. FOR GI BENEFITS

IT'S SIMPLE & EASY! SPECIAL TOOLS-EQUIPMENT-CATALOGS. NO PREVIOUS EXPERIENCE NEEDED.



OUR FAMOUS STAFF OF EXPERTS WILL TEACH YOU STEP-BY-STEP HOW TO: • BUY WHOLE-SALE • GET YOUR FEDERAL FIREARMS LICENSE • START YOUR OWN BUSINESS • REFINISH & CHECKER • CUSTOMIZE • ACCURIZE • SPORTERIZE • BLUE AND BROWN • RELOAD • BASIC AND MASTER GUN REPAIR • PLUS MUCH, MUCH MORE!

LEARN EVERYTHING YOU'LL NEED TO KNOW TO GET YOU STARTED IN THE CAREER YOU WANT! LIFETIME CONSULTATION SERVICE AT NO COST. BE A SUCCESSFUL GUN PRO!

OVER 40,000 STUDENTS SINCE 1946
Send for FREE FACTS or call 602-990-8346

Please RUSH FREE facts on how I can become a professional gunsmith the QUICK easy home study way. No Obligation. No salesman will call. CHECK FOR VA or GI ACTIVE RETIRED

NAME _____ AGE _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

MODERN GUN REPAIR SCHOOL dept MF71
2538 N 8th St • Box 5338 • PHOENIX AZ 85010

STOP RUST!

Gun manufacturers know that humidity trapped within enclosed storage areas causes condensation and this condensation is the cause of irreparable damage: rust, mildew, corrosion. That's why manufacturers include small packets of silica gel in shipments of quality guns, electronics, etc.



SG-750 steel canister



SG-40 aluminum canister



SG-360 foil carton

Silica Gel Units Drink Dampness from the Air: Prevent Condensation; Stop Rust, Mildew, Corrosion Before They Begin.

Silica gel adsorbs dampness to create a protective shield of dry air within any enclosed area. Needs no electricity. Remains dry to the touch even when saturated. Built-in indicator turns from blue to pink to signal need for reactivation. Reactivates easily in oven. Lifetime protection. Money-back guarantee.

40 Gram Unit: Compact 4"x2"x1/2" aluminum canister. Protects 3 cu. ft. For gun case, tool box, etc. **Item SG-40: \$5.50 ea.** (2 or more: \$5.00 ea.)
360 Gram Unit: 5"x4"x2" foil carton. Protects 27 cubic feet. Ideal for safe, gun chests, display cabinets, etc. **Item SG-360: \$9.50 ea.**

750 Gram Unit: 6"x4" diameter steel canister. Protects 57 cubic feet. Lifetime protection for larger chests, safes, gun cabinets, etc. **Item SG-750: \$21.50 ea.**

TO ORDER: Send printed name, address, items requested with check to **Hydrosorbent Products, Box 437-Z, Ashley Falls, MA 01222.** MA Res. add 5% sales tax. Delivered free in 48 states. To charge MC/VISA, give card # and exp. date.

Practical Shooting

Beyond Fundamentals



Brian Enos

208 PAGES, 115 PHOTOS, FOREWORD BY ROB LEATHAM

"Any practical shooter needs three things: a progressive reloader, a shot timer—and this book. These ideas were very much responsible for my success this season."

—J. MICHAEL PLAXCO, U.S. IPSC, STEEL CHALLENGE, 6th 1990 U.S. IPSC NATIONALS

"This is not just another 'how to draw and fire' book. Brian is one of the very few shooters who has questioned and understands exactly what happens at our level."

—J. MICHAEL PLAXCO, U.S. IPSC, STEEL CHALLENGE, WORLD 3-GUN, SECOND CHANCE CHAMPIONSHIPS

\$16.95 plus \$4.00 S&H* Order toll free:
1-800-247-6553

or 1-419-289-6051
(Visa and MC)
1444 U.S. Rt. 42, Rd 11, Mansfield, OH 44903
(checks only)

*International orders additional / Ohio add state tax



Now!
Exclusively from
BRILEY Pistol
Division

BRILEY
The BRILEY Spherical Bushing!
for 1911 Pistols

Features of this unique Bushing are:

- ★ Instant presentation of the barrel at the same precise position shot after shot.
- ★ Titanium Nitride insert . . . lowest coefficient of friction available today.
- ★ Drop-In and Match Grade Bushings available. Match Grade requires fitting.
- ★ Dramatic improvement in reliability.
- ★ No additional interference drag to slow lock time.

For complete information of the Spherical Bushing, call

1-800-331-5718

outside of Texas

(713) 932-6995 • 1085 Gessner, Houston, TX 77055

Because of the controlling of the muzzle rise by the M-N-P slots, the wrist wrenching is gone and the ported Ten feels more like an unported .45 ACP with hardball loads. Not a pussycat by any means, but much more manageable and much more pleasant to shoot.

With Autoporting and the 9mm, I can take it or leave it. With the .45 ACP, porting is a definite advantage. Moving up to the 10mm, I would classify Autoporting as mandatory if one is going to shoot the Colt a great deal with full-house loads. At \$90, Autoporting could be the cheapest "compensator" available.

Just as I completed this article, I received a copy of a letter from a San Francisco police officer to Mag-na-port. I would like to quote the following: "The Autoporting to the SIG 226 and my Officer's .45 works very well. When I had it at the range, everyone was extremely impressed with the difference that the Autoporting made. I was shocked when about half of the officers including a couple of the range masters did not know anything about Mag-na-port. If I was the range master, and had the authority to do it, I would have all department SIGs ported."

For more information about Autoporting, call for your free catalog today at (313) 469-6727 or write to Mag-na-port at 41302 Executive Drive, Dept. AH, Mt. Clemens, MI 48045.



VIC COMP

Continued from page 56

is less likely to be moved off target by a poor trigger break than a light gun. Light guns tend to magnify the effects of errors in hold or trigger release.

Generally speaking (and I emphasize that there are plenty of exceptions) novice and intermediate level shooters will do better with a heavy gun; top level shooters, who have mastered the ability to hold the gun steady and release the trigger smoothly can derive the most benefit from a light gun.

Because of all the variables involved, I don't place too much faith in compensator comparisons in which muzzle jump alone is measured (i.e., in a Ransom Rest). While such tests do have the value of providing objective data, they don't necessarily tell how well a comp will work for different people in different matches.

Sometimes the only way to test a race gun is like a race car— put it on the track and drive a few laps.

I don't mean to make the subject of compensator design and selection sound like some sort of black art, for it's really not all that complicated; we're not exactly talking about making a better space shuttle here.

As a general guideline a heavy gun and comp will do best for pin shooting, a light

Use what the winners choose!
KWIKOMP II



New! Dual port drop-in compensator system.



Rob Leatham

Springfield's brand new KWIKOMP II muzzle compensator is endorsed by Rob Leatham and the other members of Springfield's elite Factory Shooting Team. It's a highly effective, high tech, dual port bushing type system that comes complete with a precision machined match barrel. It's made for simple, no muss, no fuss assembly; in fact, it just drops in place and replaces the standard barrel on your factory model 1911-A1 pistol. Want an easy and inexpensive way to reduce muzzle flip and shorten your time between shots? KWIKOMP II is your quickest way to success.

.45 ACP Std Length, Blued Suggested Retail: \$18900

Watch for .38 Super and 40 S&W calibers, as well as Commander and Compact lengths, to be available soon.

The Oldest Name In American Firearms

SPRINGFIELD ARMORY®

Section SR 20 ■ 420 West Main Street ■ Geneseo, IL 61254 ■ (309) 944-5631

gun is best for steel shooting, an IPSC gun shouldn't go to extremes either way. Don't worry about it too much, because more than likely someone like Tom Campbell or Jerry Miculek will show up with no comp at all and win the match.

Battle Comp

The demands of various types of competition explains why VIC offers more than one comp system. Pete Viceroy, president of VIC International, provided a Battle Comp already fitted to a .45 ACP barrel and slide for evaluation.

This full profile, double chambered unit should be ideal for pin shooting (the ad says "an all-out, no holds barred comp for pins...perfect for heavier bullets and more powerful loads") and most shooters will find it excellent for IPSC as well.

Fit, finish, and overall quality of this unit is very good. The top end was hooked up to two receivers, a Colt Gold Cup and a Para-Ordnance F14 .45 and functioned flawlessly on both.

The combination of an effective comp and the 14-shot Para-Ordnance frame makes a particularly nice setup for IPSC matches, especially now that the frame is available in steel for the high volume shooter.

Most .45 ACP factory 230 gr. ammunition is rated at 850 fps, though in my experience such loads usually chronograph at more like 815 fps from a 5" bar-

rel. To check the comp's effectiveness with heavier loads, the Hornady 230 gr. FMJ-FP bullet was loaded to a bit over 900 fps for a power factor of about 210, with velocities checked on the PACT Mk. III chronograph.

With these heavy loads the comp really went to work. On strings of shots at an IPSC target, breaks between shots with the Battle Comp were about half those recorded with the same loads and a non-comped gun.

My 12-year-old daughter Andrea asked to try a few shots and had no trouble controlling the gun. I thought the Para-Ordnance frame might be too wide for her hand, but to my surprise she much preferred it over the standard 1911 pistol. Evidently the wider grip frame spread the recoil over a wider area and was more comfortable to shoot.

Which Comp For You?

For the competitor who is primarily interested in pin shooting and IPSC, the Battle Comp is an excellent choice. If a lot of steel shooting is on the agenda, then the somewhat lighter half-profile Classic comp would probably suit most people better.

For exclusively IPSC use, it comes down to a matter of personal preference, as either model is more than adequate. Both designs come with an interchangeable front sight—a very worthwhile fea-

ture that allows the shooter to experiment with different sight patterns and widths.

The Battle Comp isn't a cheap item, listing at \$375 in .45 ACP, \$50 more in .38 Super or 10mm. The kit includes the dual-chamber comp with removable front sight, cone system and spring plug, and full length guide rod, and must be fitted to your existing barrel.

The Classic system with dual chamber comp and front sight, integral cone system, recoil spring, spring plug and Shok-Buff costs considerably less, listing at \$250 in all calibers, or \$350 if installed and test-fired on your gun by VIC.

Viceroy makes no apologies for the price of his comps, noting that some of the lower-priced units are made from castings while the VIC units are individually machined from solid bar stock to provide a better fit and durability. VIC also sells complete top end conversions with adjustable rear sights installed, and can build full house guns to order.

I've always found VIC an excellent company to deal with. Both Pete Viceroy and his wife Laurel compete in IPSC and other action-shooting matches, they understand the shooting sports, and make every effort to provide competitors with the best in shooting accessories. For more information write VIC International at 18056 Ledgepoint Place, Dept. AH, Strongsville, OH 44136 or call (216) 572-0323.



design by Richard Zapperoil

S&A HI-GRIP SAFETY

Positions Hand as High and Close to Centerline of Bore as Possible!!!

Will Retrofit to Guns Now Using Wilson/Clark Grip Safeties with No Further Frame Modifications!

AVAILABLE IN: STAINLESS BLUE

\$34.95

Post Paid, Prepaid, or UPS-COD (UPS-COD Charge - \$4.00) Texas Residents add 8.25% sales tax (\$2.88 ea.)



SMITH & ALEXANDER

DEALER DIRECT
IF UNAVAILABLE AT
YOUR DEALER —
ORDER DIRECT FROM S&A

P.O. Box 835790
Richardson, TX 75083
214-231-6084
Fax 214-783-6084

YOU CAN WIN A

CUSTOM COLT OFFICERS MODEL

From Bill Jarvis

Colt's rugged Officers Model quickly established a devoted following among serious professionals when the short, powerful pistol first hit the streets in 1984. Packing the punch of a .45 ACP in a compact package proved to be an enormously popular concept, and today the Colt Officers Model is available in a wide variety of models from the standard blue to the Lightweight to weather-resistant stainless steel.

But as good as the Colt Officers Model comes "in the box," there is a core of serious handgunners who demand custom features. That's when the serious handgunners—men who trust their lives to the tough little Colt—turn to master pistolsmith Bill Jarvis of Jarvis Gunsmithing. Bill offers his services in a traditional "one man shop" where the customer is assured that each and every gun is personally detailed by the master himself.

Bill describes his custom Colt Officers Model as a "no frills, no nonsense defense weapon." Don't look for any glamorous gimmicks, Bill builds em lean and mean!

Reliability is Job One on a self-defense gun, and Bill goes through the Officers Model and performs a "reliability package" for trouble-free feeding and ejection. Bill painstakingly hones the internal parts and surfaces to remove any burrs that might affect functioning.

To improve the handling characteristics of the weapon under stress, he checkers the front strap at 20 lines per inch and modifies the thumb safety for fast, positive release.

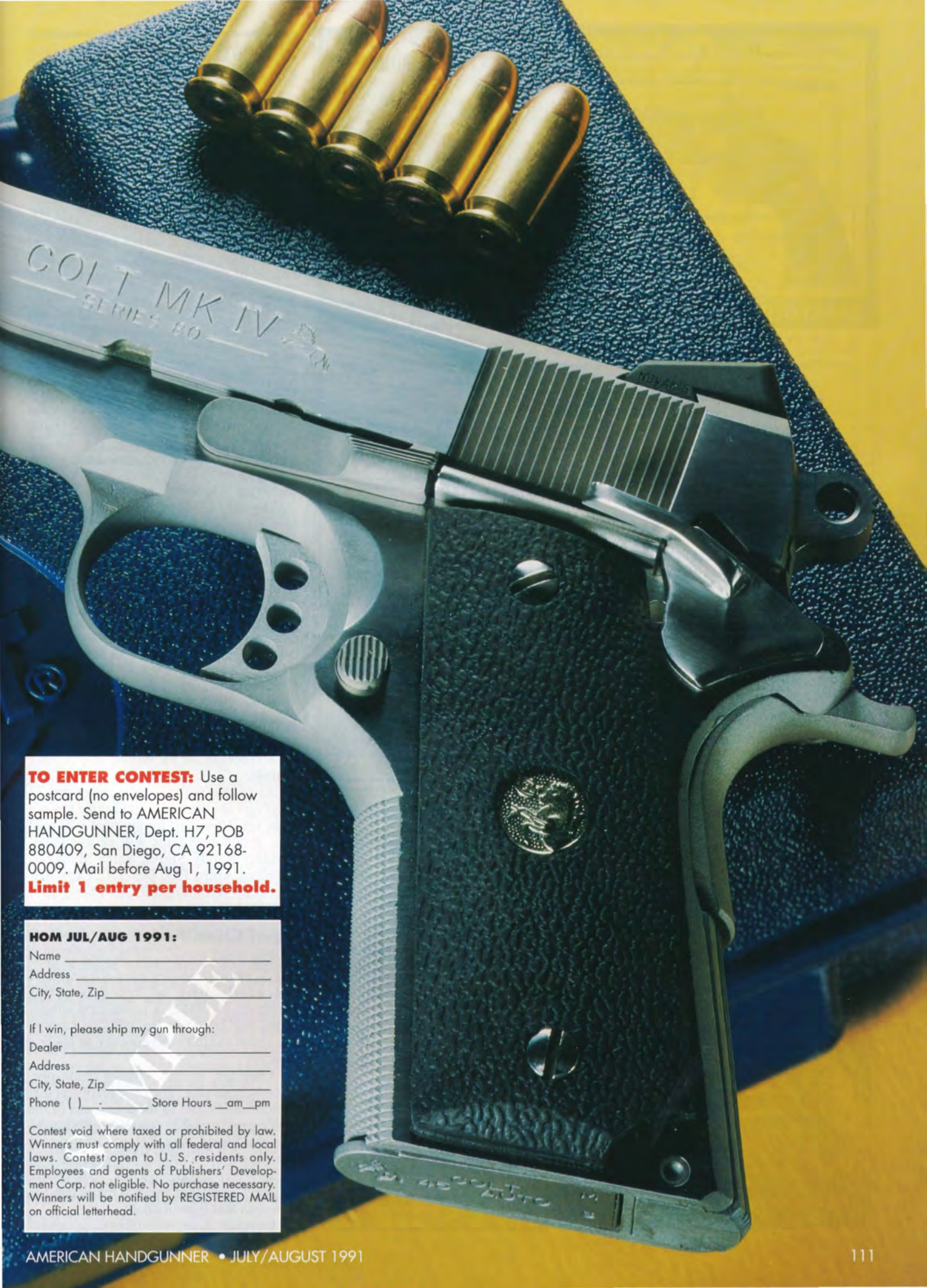
The Officers Model receives a "street trigger job" of a crisp 4.5 lbs. and the installation of a long, lightweight match trigger. A Novak lo-profile rear sight is fitted and a dovetailed, ramped front sight is installed.

The complete custom package as described above and shown in this photo costs \$375 plus \$15 for shipping, handling and insurance.

Those who are acquainted with Jarvis custom guns and accessories (the maker of the famous Jarvis underlug for S&W L-frames that John Pride used to win the Bianchi Cup) will be interested to learn that Bill relocated from his Orange, Calif., shop to Hamilton, Mont. While Bill has traded the sunshine of southern California for the invigorating great outdoors of Montana, his customers can rest assured that the same level of expertise and dedication to excellence is still a hallmark of Jarvis Gunsmithing.

Jarvis Gunsmithing
Box 173, Hamilton, MT 59840
(406) 961-4392

(Please include \$2 for a catalog of the entire line of Jarvis handgun accessories.)



TO ENTER CONTEST: Use a postcard (no envelopes) and follow sample. Send to AMERICAN HANDGUNNER, Dept. H7, POB 880409, San Diego, CA 92168-0009. Mail before Aug 1, 1991.

Limit 1 entry per household.

HOM JUL/AUG 1991:

Name _____

Address _____

City, State, Zip _____

If I win, please ship my gun through:

Dealer _____

Address _____

City, State, Zip _____

Phone () _____ Store Hours __am__pm

Contest void where taxed or prohibited by law. Winners must comply with all federal and local laws. Contest open to U. S. residents only. Employees and agents of Publishers' Development Corp. not eligible. No purchase necessary. Winners will be notified by REGISTERED MAIL on official letterhead.

SILUETAS

Continued from page 30

jectory. Or give SuperMag performance in the standard-sized Freedom Arms cylinder.

Freedom's New .22

Perhaps in the future, it will be possible to come up with such a cartridge. For now, the spotlight is on the smallest bore, the .22 Long Rifle. This is the toughest course of the silhouetting options available to the shooter and until now, no revolver was designed specifically for .22 silhouetting.

Freedom's .22 Silhouette revolver is built to the same tolerances as the big bore guns and is in fact a full-sized revolver chambered for the diminutive .22.

If the conventional .454 Casull cylinder had been used, the weight would have exceeded four pounds. So for the .22 chambering, the cylinder has been shortened and the barrel extends back through the frame.

The barrel is also slightly tapered and four holes are drilled into the sides of the hammer. This all results in a total weight

**Freedom Arms
maintains their
reputation on quality,
not price.**

package, including Iron Sight Gun Works silhouette sights and black micarta grips, of a fraction of an ounce under four pounds.

As of this writing, only prototype .22 revolvers are out and a retail price has not been set. However, by the time you read this, production guns will be available. Contact Randy Smith, Sales Manager, Freedom Arms, P.O. Box 150, Dept AH, Freedom Wyoming, 83120. Phone 307-883-2468.

Real Quality

The 1991 Silhouette Season is anxiously awaited to see what the result of the availability of Freedom Arms revolvers for IHMSA production silhouetting will be. They are, without a doubt, the finest made revolvers ever to leave a factory.

They are, in fact, custom made production revolvers. The only revolvers that would come close to the tolerances of the Freedom Arms guns would possibly be the pre-World War I New Century .44 Specials from Smith & Wesson, the collector's prized "Triple-Lock." They were dropped because it was too expensive to maintain that type of quality.

Freedom Arms maintains their reputa-



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.

DEALER INQUIRIES
INVITED

Send for Free Brochure 46H or call
415-254-3201

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

PISTOLSMITH

I have 40 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 WARRANTY 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. Tue.-Sat 9am-5pm (E.T.)
Tel. (203) 653-3901 Zip 06027 Sun. & mon. closed

COLT 45 AUTO
& All copies
Grip Screw
BUSHING DRIVER
for Gunsmiths
& Owners

Fits over bushing and properly centers bit in slot.
Removes tightest staked bushing without tearing it up.

\$12.95 + \$3.00 postage & handling
Mich. residents + 4% sales tax
BOB KRIEGER, INC.
Master Gunsmith
2271 Star Court, Rochester Hills, MI 48309
(313) 853-6171

THE ULTIMATE HOLSTER

Wyoming Combination Holster™



3-in-1 System

- Shoulder
- Strong Side
- Crossdraw



- All-day comfort
- Easy change
- Easy on/off
- Extra ammo pocket
- Worn over jacket or shirt

Available only from:

Ringler Custom Leather Co.

Box 206 • Cody, WY 82414
Phone: 307-645-3255 or 307-587-6093
Send for our free brochure!

STAINLESS STEEL
.45 COLT & or 2½ inch .410
.45 AUTO, .44 MAG, .357 MAG
.40 S & W, .38 SPL, 9mm
50 other Cartridges Available



For Free
Literature
Send Stamped
Envelope

AMERICAN DERRINGER CORP
P.O. BOX 8983 • DEPT AH-1 • WACO, TX 76714

tion on quality, not price.

The silhouette shooter can now choose three chamberings from Freedom Arms for competition, four if one is a real traditionalist.

For big bore shooting, silhouette guns are available in .454 Casull, .44 Magnum, and even .45 Colt. If this gun really catches on with the silhouetting crowd, I would also like to see it made available in .41 Magnum or even a longer .40 or .41 mated specifically to the Freedom Arms cylinder.

The fourth chambering is of course the new .22 Long Rifle option.

For silhouetting, full-house .454 loads are not needed, and certainly not desirable. Recoil is too much for sustained firing in 40, 60, and 80 round matches. This is one of the main reasons for choosing the .44 Magnum chambering over the .454 if the only use for the revolver is to be big bore silhouetting.

However, the Freedom Arms revolvers

The latest offering from Freedom Arms is accurate enough to challenge many rifles at 100 yards.

are all set up for ease of sight changing and it is possible to go from standard iron sights to silhouette sights and even to scope sights with minimum fuss and bother. All sights fit into, not onto, the top of the frame and afford the best type of mounting arrangement available.

This allows the Freedom Arms revolvers to be used for silhouetting or hunting simply by a quick sight change. Use 'em for silhouetting until hunting season. Remove the silhouette sights and install the standard iron sights or more preferably the scope base (these guns will outshoot the iron sights) and the Freedom Arms revolver becomes a first class hunting pistol. This double function helps one to justify the high price.

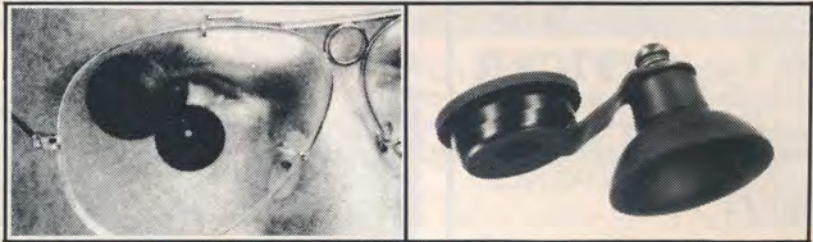
In addition to this versatility, the .22 Long Rifle Silhouette Class revolver will also be available with an extra .22 Magnum cylinder. Remove the silhouette sights, install a scope, replace the Long Rifle cylinder with the Magnum cylinder and one has a deluxe varmint revolver good for animals up to the size of rockchucks out to reasonable ranges.

Handloading The Casull

The .454 Casull functions with bullets from 240 grains up through the specialty 400 grain bullets, but silhouetters will be best served with bullets in the 240 to 260 grain weight range.

All the major manufacturers have

Pistol Shooters Can See Their Sights and Targets Clearly



The Merit Optical attachment provides an instantly adjustable aperture to accommodate changing light conditions.

- Light weight, under 1/5 ounce
- Aperture diameter varies from .022 to .156 inches
- Compact, stores in a 1" x 1" x 1" box
- Disc pivots up out of line of vision when not shooting

FREE Brochure of all Merit Shooting Aids available—send card or call.

Merit Products are available from your local dealer or you may order factory direct
Dealers please include copy of FFL or send request on letterhead for dealer discount schedule



Dept. AH Box 9044
Schenectady, N.Y. 12309
(518) 346-1420

SECOND TO NONE IN QUALITY



Metaloy;

Often used to describe Hard Chrome plating in general.

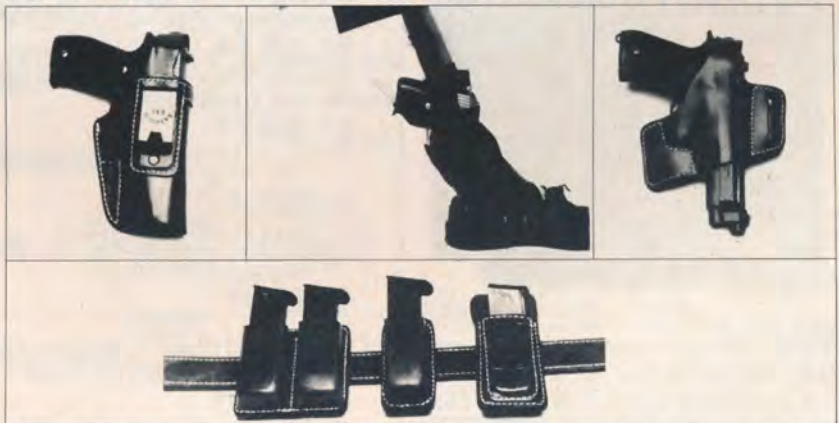
There is only one Metaloy. Demand the original, I do.

Steve Nastoff

Metaloy Industries, Inc.

ROUTE 5, BOX 595-AH BERRYVILLE, AR 72616 PHONE 501-423-4225

WHO SAYS YOU CAN'T GET QUALITY LEATHER ANYMORE?



Simply the Best Leather and Nylon Products Available

Please write or call for our new 1990 catalog. Send \$3.00 to:

TED BLOCKER HOLSTERS

5360 N.E. 112th St., Portland, OR 97220
Phone: (503) 254-9950 FAX: (503) 254-7172



POLICE OFFICER THE ULTIMATE JOB EXPERIENCE

POLICE OFFICER GETTING HIRED

- ✓ Learn the System
- ✓ Improve Your Score
- ✓ Oral Board Questions and Tips
- ✓ Advise From Other Police Officers
- ✓ 25 Crammed Full Pages
- ✓ Locating Job Openings

DRUG ENFORCEMENT AGENCY

- ✓ Qualification Requirements
- ✓ Obtaining an Application
- ✓ The Address and Phone Number of the DEA Office Nearest You

FREE with your order 60 minute cassette of the best car to car dispatch action as it occurs (No Reenactments) that will keep you on the edge of your seat!

For Complete Package:

Send \$12.95 Check or Money Order plus \$3.00 pstg./hdlg. to:
RTP Products
Box 953, Renton, WA 98057

ADD SPEED & ACCURACY



Mag Well for Para-Ordnance.
Gunsmith installation required-\$39.95



Pivoting Trigger for 1911 style auto. Gunsmith installation required- **\$125.00**



All Steel Mag Release for Para-Ordnance- **\$39.95**

CUSTOM PISTOLSMITHING For orders and information:



RAFT, INC. BY BEN JONES
2403 21st Avenue S.E.
Ruskin, FL 33570
(813) 645-3828

excellent bullets available for silhouetting and I have had excellent results with Hornady 250's, Sierra 240's, and Speer 260's. None of these bullets can be driven as fast as the Freedom Arms 260 grain jacketed soft point, but this is not a real factor in silhouetting. Some selected loads for the .454 for silhouetting are:

Sierra 240 JHP	35.0 grs. WW680	1,595 fps
Hornady 250 JHP	32.0 grs. WW296	1,529 fps
Speer 260 JHP	34.0 grs. WW680	1,562 fps

Switching to the .44 Magnum chambering in the same 10-inch barreled version of the Freedom Arms silhouette revolver, I have had my best results with 22.0 to 24.0 grains of WW296 with the Hornady 240 JTC-SIL, the Speer 240 FMJ, and the Sierra 250 FPJ silhouette bullets.

Hornady Sierra Speer

22.0 grs. WW296	1375 fps	1400 fps	1367 fps
23.0 grs. WW296	1442 fps	1455 fps	1422 fps
24.0 grs. WW296	1492 fps	1517 fps	1484 fps

Testing The .22


The latest offering from Freedom Arms for silhouetting, the 10-inch .22 Long Rifle version, is accurate enough to challenge many rifles at 100 yards.

My testing was accomplished with a Thompson/Center 3X scope installed on a Leupold mount and using an Outer's Pistol Perch for a rest. The results verify that this is the most accurate .22 revolver to ever come from any factory. Groups are for five shots at 100 yards.

Brand Velocity Group

Federal High Velocity HP	1,108 fps	1 3/4"
CCI Green Tag	1,007 fps	1 7/8"
CCI MiniMag	1,045 fps	1 7/8"
CCI MiniMag +V	1,290 fps	1"
CCI Pistol Match	1,123 fps	1 1/8"
PMC Zapper	1,126 fps	1 1/2"
PMC Match Rifle	974 fps	1 1/4"
Winchester High Velocity	1,009 fps	1 3/4"
Winchester T22	1,073 fps	1"

Notice that the .22 version has the ability to handle both lead and copper .22 loads, and both standard and high velocity loads with loads below 1,000 fps and also at 1,300 fps both shooting right at one-inch at 100 yards.

For years, the .454 Casull has been touted as the most powerful revolver available. Now that all Freedom Arms revolvers are available for silhouetting, we may well find that they are the most accurate as well. 

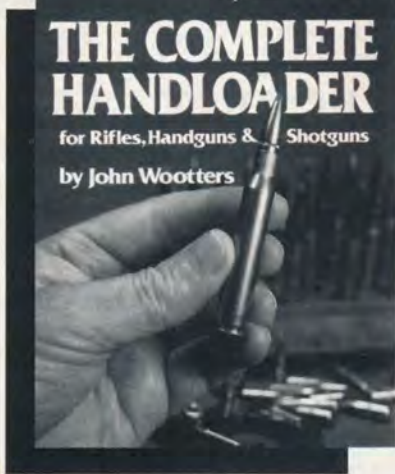
WATCH FOR JOHN TAFFIN'S SILUETAS COLUMN EVERY ISSUE OF AMERICAN HANDGUNNER

GUNS BOOKS

An Outdoor Life Book

THE COMPLETE HANDLOADER

for Rifles, Handguns & Shotguns
by John Wootters



Here one of the deans of gun writers shares a lifetime of experience and recommended procedures on handloading for rifles, handguns, and shotguns. Learn loading bench know-how and safety. 224 pages with 300 photos and drawings. Hardcover.

Only \$39.95

YES! Please send me _____ copies of THE COMPLETE HANDLOADER at \$39.95 plus \$2.00 shipping & handling per book. CA residents add 7.25% Sales Tax.

Check/MO Bill my VISA/MC No. _____ Exp. date _____

Name _____

Address _____

City _____ State _____ Zip _____

Mail to: GUNS BOOKS #54
591 Camino de la Reina, #200, San Diego, CA 92108

HANDLOADING

Continued from page 16

al, and a warranty card.

The Model 90 is a sensitive instrument and as such carries certain stipulations about its use that could apply equally to any electronic scale.

It is recommended that you check calibration of the scale prior to each use and for this purpose the two 250 grain check weights have been provided. Additionally, the instruction manual warns against locating the RCBS Model 90 near open win-



dows or doors, near air conditioning or heating vents, near any vibrating or moving equipment, or on an uneven surface.

Severe changes in temperature will also affect the accuracy of the Model 90, so the manual advises the scale should be allowed to stabilize for an hour after movement into areas with different temperatures.

The main advantage with an electronic scale is the purchase of time. Remember you can't buy time, but you can use technology to lessen the time needed for the performance of certain tasks and that, too, equals the purchase of time.

The zero adjustment feature on both electronic scales allows you to establish a tare weight for any object beside the pan used to measure powder. If you are one who is extremely picky about your cartridge cases either of these electronic scales allow you to quickly establish a base line weight and then find those empty cases closest to it.

Finding The Dud

Additionally, one of the greatest problems with certain progressive reloaders is the infrequent tendency to throw an empty charge. That's right, the old live primer, no powder, bullet in the barrel trick.

It's okay, if you notice this aberration of nature before you pull the trigger on the following round, but if you don't the results can present serious damage to the household budget.

With this in mind, I intentionally loaded 25 rounds of .45 ACP on one of my progressive presses, but on one round I poured the powder out before seating the bullet. Mixing them all up so I lost the bad round I proceeded to see if I could find it in an easier and safer fashion than I have in the past.

I weighed each completed round and



Research, Inc.

NEW PROOF CHRONOGRAPHS™



When the *PROOF CHANNEL™* of the new Oehler Model 35P says a velocity is right, you know it is right. For years, the pros have called Oehler for the best instruments. Oehler welcomes your call for a free catalog or help with your measurements.

OEHLER RESEARCH, INC.
P.O. Box 9135 • Austin, TX. 78766
Phone 800/531-5125 or 512/327-6900

PAGER HOLSTER



**PRESS BUTTON,
CASE FLIPS
OPEN.**

FITS: DAVIS DERRINGERS, PSP-25 AUTO
BAUER, BROWNING 25 AUTOS
FREEDOM ARMS .22LR, 1" BARREL
N. AMERICAN ARMS .22LR, 1 1/4"

\$19.95 plus \$1.50 S&H, or two for \$34.95
SEER INC.

P.O. Box 1194, League City, TX 77574

B.A.T. ALL-STAR LINE-UP AMERICA'S NUMBER ONE CHOICE FOR 1911 STYLE AUTO RECOIL COMPENSATORS



Ultra-Comp Bushing Compensator
45 acp/10 mm/38/9mm

\$69.95



Ultra-Comp I Compensator Kit
Gov't 45 acp (no front sight)

\$189.95



Ultra-Comp II Compensator Kit
Gov't 45 acp

\$189.95



Ultra-Comp III Compensator Kit
Gov't 45 acp, 10 mm

\$299.95



NEW!
Turbo-Tripod Comp. Kit Gov't
or Commander 45 acp

\$299.95



NEW!
Pro-Series V Compensator Kit
Gov't 45 acp

\$425.00

Kits available in 10 mm and 38 super. All compensator kits include match grade stainless steel barrel, match barrel bushing, nylon bushing wrench, loctite and instructions. We recommend that these products be installed by a qualified gunsmith.

SEND \$2.00 FOR COMPLETE CATALOG

See your firearms retailer or call us directly
Dealers inquiries welcome.

**BETTER
ACCURACY
TECHNOLOGIES**
P.O. BOX 55-8266
MIAMI, FL 33255-8266
(305) 688-0262
Fax: (305) 553-9281

BRASS UNDER "GLASS"



THE INFAMOUS .44 MAGNUM CARTRIDGE CAPTURED
WITHIN A BLOCK OF ULTRA-CLEAR LUCITE
The Ideal Gift, Paperweight or Conversation
Piece for Sportsmen, Hunters and Shooters

FEATURES:

- *Slant Cube Shape
- *Crystal Clear Transparency
- *Multiple Facets Polished to Glass-Like Smoothness

Other Shapes and Handgun Calibers
Available Too

\$15.95 plus \$3.00 S & H
Send Check or Money Order To:

CENTERFIRE DESIGNS - Dept. AH
918 S. Golf Cu-de-sac
Des Plaines, IL 60016
708-296-4436

TYLER'S "T" GRIP

BETTER SHOOTING

with this improved

cast Aluminum Grip

ADAPTOR. For Colt,

S & W and Ruger D.A.

Revolvers. DURABLE, PRAC-

TICAL-EASY TO INSTALL.

THREE ATTRACTIVE FINISH COLORS.

POLISHED or BLACK \$7.50 GOLD \$8.00



TYLER'S TRIGGER SHOE

Durable light weight cast aluminum for Colts, S & W

Ruger and other modern pistols, rifles and shotguns.

POLISHED or BLACK \$6.00; GOLD FINISH \$6.50

AT YOUR FAVORITE DEALER OR ORDER DIRECT. Send

make & model of gun. COD's Accepted. Add \$1.50

for Shipping Charges. Fully Guaranteed. Genuine

Stag-Wood & Synthetic Gun Grips & Accessories.

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

JIM HOAG

CUSTOM PISTOLSMITH

8523 CANOGA AVE. UNIT C

CANOGA PARK, CA 91304

(818) 998-1510

HKS REVOLVER SPEED LOADER

LOADS SIX CARTRIDGES INTO REVOLVER INSTANTLY
SUPER-FAST
SUPER-DEPENDABLE



Metal points hold cartridges securely in loader until knob is turned to release them!

only **795** each

LAW ENFORCEMENT
SPORTSMEN • SECURITY
HOME DEFENSE

Fits Nearly Every Revolver
Guaranteed one full year

NEW! COMPACT
CARRYING CASES



Magazine Pouch—fits 9 mm. and 45 auto. Only \$13.95 each



Speedloader Case Only \$12.95 each

HIGH QUALITY
LOW COST
MORE COMPACT

- Molded of long-lasting DuPont Hytrel®
- Two finishes—plain or basketweave
- Three colors—black, tan, brown

See your local gun dealer



HKS Products, Inc.
7841 Foundation Drive
Florence, KY 41042

CHOOSE A WINNER

Over 250,000 Gunbelt Rigs Sold!



Model K-86

100% American made, hand crafted, fully lined, 24 bullet loops.
Prompt shipment: Up to 6½ bbl. length - \$129.95. 7½ bbl. length - \$134.95. Add \$4.00 shipping & handling.
Dealers please inquire. Send \$3.00 for catalog.

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

AMERICAN SALES & MFG.
BOX 677 AH LAREDO, TX 78042
FAX: (512) 725-0672

Sunglasses—Factory direct

Tired paying high prices for quality eyewear? Get unique custom-made glasses by mail for much less than the cost of ordinary stock run-of-the-mill name-brands. Polarized, glass, plastic, gold mirrors, anti-reflection coatings, etc. Special lenses & frames for flying, driving, boating, hunting, skiing, cycling & other outdoor activities—in both non-prescription & prescription (no bifocals). 24 years in business. Huge inventory, fast delivery, money-back guarantee. Call 1-512-847-5571 (8 AM to 5 PM central, weekdays) for a Free Discount Catalog & Sunglass Selection Guide, or, write to:



Dept. AH
45 La Buena Vista
Wimberley, TX 78676
HIDALGO, Inc.

Classic+ Grips



Handfilling elegance for AMT/IAI, S&W, Colt, Rugers Beretta 92F, from \$39.95

- AMT II
- 645
- 669
- 1911
- MKII

- Rare Woods
- Hand Engraved Inlays & Screws
- 100% American-Made.

Color Brochure \$1 (refundable)

WAYLAND PRECISION WOOD PRODUCTS
Box 1142 H Mill Valley, CA 94942

9 & 10 MM, 45 ACP FULL MOON CLIPS

FREE SAMPLE WITH CASE



We offer the widest range & types of clips in the industry.

RANCH PRODUCTS
P.O. BOX 145 MALINTA, OH 43535

wrote that weight down on a list while arranging the rounds in order. After weighing all 25 rounds I picked the round with the lightest weight and pulled the bullet.

Guess what? I found it. Easy as pie, because that was the one with no powder charge. I could have done the same thing on the balance beam scale, but the time required to accomplish it would have been about 10 times greater, many swear words deeper, and with a blood pressure reading that would only make my health insurance rates exceed the cost of rebuild-

Electronic scales are sensitive to everything. I found I could get a reading just by waving my hand over each one.

ing Iraq.

The alternative was easy with an electronic scale.

Outside Vendors

Both firms went to outside sources for these products. RCBS went to Ohaus and Lyman went to a supplier of jewelry scales. Lyman intentionally made theirs go to 1,000 grains because they wanted to be able to accommodate the shotshell reloaders.

Lyman has also discovered there is a good market for scales among competition archery shooters who weigh their arrows for increased consistency. Since the shaft of an arrow weighs 350 grains or more the point often puts the entire weight of the arrow well over 500 grains, Lyman felt it made sense to recognize this when they designed their scale.

Electronic scales are sensitive to everything. I found I could get a reading just by waving my hand over each one. They are sensitive to dust, air waves, static electricity, even your breath, but they are definitely an advancement.

I used them in my testing to find an empty charge, but you could just as easily use one to search for a double charge.

Lyman is offering free to all customers who purchase their LE-1000 in 1991 a shooter's check weight set normally worth \$20. The check weight set consists of seven different weights totaling 60.5 grains. Lyman is also thinking about bringing out later in the year a dust cover and a carrying case so you can take their scale to the range.

The Lyman LE-1000 has a suggested retail price of \$325; the RCBS Model 90 runs \$395. I think both scales are worth the money if for no other reason than I don't have to fool with those damn little bitty weights on a balance beam any more.



What every American Handgunner has in common.



America's shooters turn to *American Handgunner* for uncompromised handgun facts.

It's the only source you can rely on for "straight shooting" test reports, complete competition coverage and unbiased product reviews. You can join the growing ranks of informed handgunners by making sure you get *American Handgunner* all year long.

Start your subscription to America's first and best handgun magazine today...

American Handgunner!

To order your subscription write to:
American Handgunner, P.O. Box 16439
 San Diego, CA 92116-9989



NOTES:

From America's Handgunners



James Dinan
 East Islip, NY

Age: 55

Occupation: Marksmanship Instructor

Shooting Interests:

- 2600 Club Master Shooter
- Competition shooter

"American Handgunner is the one gun magazine that I recommend to everyone. I believe that it contains the most honest reporting, sincere viewpoints, surrounded by true color photography, far in excess of any other gun magazine.

The fact that it is devoted solely to handguns, contains articles on the values of marksmanship and modern instruction techniques, make it an obvious favorite of the James Dinan School of Advanced Pistol Marksmanship."

Stephen Comer - Dobson, NC

Age: 42 Occupation: Teacher Shooting Interests: Target shooting, Handgun hunting

"When it comes to presenting unbiased, factual, beautifully illustrated coverage of handgunning in all its multi-faceted beauty, it just don't get no better'n American Handgunner."



Brad Gray
 Zionsville, IN

Age: 33

Occupation: Registered Nurse

Shooting Interests:

- Competition shooting
- Handgun hunting
- Self-defense

"I've been shooting since I was eight years old, and American Handgunner is simply the best overall source I've found for pure handgunning information. Massad Ayoob's features have assisted me in picking self-defense pistols and the night sites for those pistols. The Ayoob files help me keep a healthy tactical edge. Features are accurate, comprehensive, timely and very often amusing.

American Handgunner is just plain enjoyable reading (I gotta have some reason to make the hike to the mailbox.)"

HUNTING-BOWFISHING-TARGET-SURVIVAL-BIG GAME WEAPON-DEER-ELK-BOAR-RABBITS-CARP
BLACKHAWK SUPERBOW USA MADE \$199. \$79.95
 150 lb. Crossbow, laminated heat-cured fiberglass, aluminum, 150 lb. draw, 16" Hunting Broadhead \$59.95 \$35.75
 bow, Fiberte® glass stock, die-cast alloy nose, front/rear Steel micro-adj. sights, wind / elev. failsafe trigger, safety, brass track, crk'd grips, MonteCarlo cheekpiece, scope and 16" Target points \$39.95 \$23.75
 T-coping, metal pad, 110 yds. 225 for ALL ITEMS 40-70% OFF
 Fish attach/hopoon \$12.75
 Dock lever (opt) \$18.75
 Camo pad, slings \$8.75
 Camo & Bowcase \$25.75
 Camo Quiver \$9.75
 Bow strings \$5.
 USA Mfg. Inc. Pos. legal 50 states Must be 21
 Send check, check M.O. CALL 800-228-2323 or 801-975-0222
 7-day Satis. Gd. NO COO. BLACKHAWK CROSSBOWS, INC. BOX 27222-E Salt Lake City, UT 84121

V.I.P.P.
Continued from page 57

by lawman/holstermaker Bruce Nelson. He postulates that a serious gun (i.e. one not used for playing games) should be no larger than it absolutely has to be in order to contain its cartridge. With this philosophy, the proper vehicle for the .38 Special is a J-frame snubby, not a bull-barrelled L-frame; and the Firestar is a more efficient 9mm than the Beretta 92.

If a gun can be chambered to take a more powerful cartridge, it should be. Most .32 autos are actually .380 autos, re-chambered for the smaller cartridge. This violates the concept of size efficiency.

Why carry a Walther PPK in .32 when you can get a Walther PPK in .380? The .32 ACP is no powerhouse, but it has to be better than a .25. There is no reason to carry a .22 or .25, when you can now get the same size gun in a larger caliber.

The thing about the Seecamp is not just that it is little. It is better. Usually, when a manufacturer makes a little gun, they just shrink the dimensions of a big gun. The result is that you get a gun that can only be used by a leprechaun: the stocks are too small; the levers and buttons are unworkable; the trigger guard is too small.

Seecamp has designed a small gun for regular size hands. The trigger guard and trigger are full-size. The grip angle is not the same as that on a big gun.

Although you can only get one and a half fingers on it, the grip angle positions the hand for proper control, without the pinching, hammer-bite, and slide "tracks" of miniaturized guns like, for example, the Walther TPH.

Double-Action-Only

The Seecamp is double-action-only. Now, let's discuss that term. How can a gun be "double-action-only," if it only works one way?

Doesn't double-action mean that it works two ways? Not necessarily.

"Double-action" can be defined as "The trigger does two things: it cocks the hammer, and then releases it." On a single-action gun, the trigger only releases the hammer. Thus, there is such a thing as double-action-only, and the Seecamp is it.

Why is that important? For a pistol of this type, it is ludicrous to build in itty-bitty safety levers and hammer droppers. With the DA-only action, it is always safe, yet ready for instant action.

There is no fumbling around with miniature latches and buttons. For a gun that is going to get carried in a pocket or purse, that is important.

For the liability lawyers, there is no question about this gun "going off by itself." And, if you like ambidextrous guns, this is as ambidextrous as you can get.



The Davis Lifetime Warranty
If anything goes wrong with a Davis firearm, we will service or replace it free, for the lifetime of the original owner.

The Right Tools for the Job

Davis D-Series derringers come in .22 LR, .22 WMR, .25 Auto, .32 Auto, and—coming this summer—.38 Special. Our P-Series pocket pistols come in .32 Auto and .380 Auto. These tools were designed for the task of personal self-defense. We give them steel where it counts and economy where it helps. Every Davis firearm is American-made, solidly built, and affordably priced. Davis...the right tools at the right price.

See your firearms retailer.

Write for **COLOR CATALOG.**
Send \$1 for postage & handling.

DAVIS INDUSTRIES
The American Way!
15150 Sierra Bonita Lane
Chino, CA 91710

PRACTICAL PISTOL SERVICES

High Quality-Reasonable Prices

- Full Service Colt Auto Gunsmithing
- Two Stage Compensator Systems Since 1985
- M.B.T.S. Compensator Kits & Well Widget Mag Wells*
- AR-15 Match Rifles & Modifications
- M1A Trigger & Accuracy Work

241 Washington Street
Methuen, MA 01844
508/688-4926

Send S.A.S.E. for price list

\$79.95 Value THE ORIGINAL TS45 \$49.95 Special

- Side Lever Cocking • Spring Piston Action • Adult Type • 177 Cal. • 800 FPS • 300 Yard Range • Hardwood Stock • Both Sights Adjustable • All Metal Parts Blued • Rifled Barrel.



THE ULTIMATE IN CHINESE AIR RIFLES

Manufactured from high quality materials
Exquisite Workmanship.
Excellent accuracy.



- Excellent Target & Training Rifle.
- Order now and receive 200 rounds of ammo FREE.

60 DAY MONEY BACK GUARANTEE
Shipped in 24 hours
Credit Cards & Phone Orders Call
(502) 252-7226 Mon.-Fri. 9-5 EST
Add \$55/H ea. KY, IN & OH res. add sales tax

COMPASSECO, INC.
P.O. Box 427-H, 801 Taylorsville Rd.
Bloomfield, KY 40008
Must be 18 to purchase.

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 44 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. Call (800)234-4594 or (303)233-4697 for info. today

Colorado School of Trades
1575 Hoyt St. • Dept. HG • Denver, CO 80215

On a larger scale, it is important for another reason. The most common cause of accidental shootings is violation of Safety Rule Three: "Keep your finger off the trigger until the sights are on the target."

Safety Rule Three

The following are true stories:

Plainclothes cop chases kid down alley. Catches him. Draws Colt Detective Special revolver and cocks hammer. Attempts to put on handcuffs. Shoots kid in back, paralyzing him for life.

Police set up roadblock, looking for holdup suspect. Man and woman (innocent parties) stop, officer approaches with .357 revolver drawn, hammer cocked. Accidentally shoots man in face. Bullet passes through and hits woman.

Highway Patrol officers chase speeding car, known to be stolen. Car goes off road. Officer approaches, with SIG double-action .45 cocked. While running up to car, officer accidentally fires through windshield, striking woman passenger in face.

The military euphemism is NDP - Non-Dedicated Personnel. Many cops and soldiers are not "into" guns. Safety Rule Three is not ingrained. The perfect issue weapon for NDP's is a double-action-only sidearm.

These people need a gun— whether revolver or auto— that *cannot* be cocked. The same is true of homeowners who are not gun enthusiasts, but who buy guns for self-defense.

If you are a good shot, DA-only will not hinder you; witness the Bianchi Cup and PPC folks.

If you are an NDP, the DA-only will help keep you from making a dumb mistake. In either case, it is a protection against lawsuits.

DA-only is the way to go, not just for little guns, but for full-size service weapons as well. The Seecamp is important because it is a pioneer in this area, along with the now-defunct Thomas .45, and the H&K VP70Z.

Test Firing

Larry Seecamp provided the test gun; Winchester-Western provided the ammunition. The instruction manual warns repeatedly against using anything other than Winchester Silvertip ammo. I figure they know what they are talking about, so all testing was done with 60 grain Silvertip hollowpoints.

According to the PACT chronograph, velocity ranged from 800 to 860 fps, with an average of 833. This is no bear gun, but as noted, it is miles ahead of any .22 or .25.

Because the gun is so small, and so light (12.75 ounces loaded, according to my digital postal scale), the trigger guard gives you a sharp rap on the bottom edge of your trigger finger. This is of no consequence in a gunfight, but you may want

AUSTRACOMP

THE 100% MODULAR COMPENSATOR AVAILABLE FOR GLOCKS

9mm • 40SW

*No Gunsmithing - No Special Tools
Installs in Minutes
It's Unique - It Works!
One Gun for Carry or Competition
As Recently Seen in U.S., British and
French Nationals
Specially Designed Ernie Hill Holster
and Wolff Power Springs Available.
For More Information Call or Write.*



Pat. Pend.

\$245.00 + Shipping & Handling
Holster & Gun Not Included.

AUSTRACOMP INC., P.O. BOX 8507, DEERFIELD BEACH, FL 33443 (305) 698-0445 USA

AGONIZED ORGANIZED



Catalog Available

Case-Gard Ammo Boxes

MTM Molded Products Co. • AH6-7 • P.O. Box 14117 • Dayton, Ohio 45413

TANK'S

Building Dependable, Accurate
Shotguns and Rifles
for Competition and Special Use

REMINGTON



M11-87 M1100 M870



AR-15 RIFLE/CAR
M14 (MIA) RIFLE

M700 REMINGTON



TANK'S RIFLE SHOP

Send \$3 (Refundable) For Illustrated Catalog
P.O. Box 474 • Fremont, NE 68025
PH: (402) 727-1317 • 9:30 a - 4:30 p CST M-F

DA 38 DOUBLE ACTION DERRINGER™



CALIBERS
 .38 Special
 9mm Luger
 .357 Magnum

SPECIFICATIONS
 NUMBER OF SHOTS: 2
 TYPE OF ACTION: Double Action
 WEIGHT: 14.5 oz.
 OVERALL LENGTH: 4.85 inches
 BARREL LENGTH: 3 inches
 HEIGHT: 3.3 inches
 WIDTH: 1.1 inches
 FINISH: SATIN STAINLESS
 GRIPS: Rosewood
 SAFETY: Hammerblock Thumb Safety

MADE IN USA
 FOR FREE LITERATURE
 SEND STAMPED ENVELOPE

American Derringer Corp.
 127 N. LACY, DEPT DA-AH, WACO, TEXAS 76705

- Auto Pistol Barrels
- Comp Kits
- Colt • S&W • Beretta/Taurus
- Competition Handguns

(406) 961-4392

CATALOG: \$2.00

JARVIS GUNSMITHING, INC.
 Box 173 • 1123 Cherry Orchard Lp.
 Hamilton, MT 59840

• Colt • Govt., Comm., Officers • Beretta 92F • Ruger P85 • S&W 9 mms. & 45

THE LEATHER ARSENAL
 27549 Middleton Rd., Dept AH
 Middleton, Idaho 83644
 (208) 585-6212

SURPRISE SPECIAL



New Glock 22, 23
 New S&W 4006

Holster, Plain Tan — \$38⁰⁰
 Magazine Pouch — \$15⁰⁰
 Shipping \$5⁰⁰

Massad Ayoob on
 Leather Arsenal products:
 "The custom gunleather produced
 by Elmer McEvoy at Leather Arsenal
 is second to none!" — Massad Ayoob

Phone Orders Welcome
 C.O.D. Visa and MC Accepted
 If you have any questions don't hesitate to ask
 Send \$1⁰⁰ for brochure and order information

• Taurus 92 & 99 • Browning HP •

Glock 17, 19, 22 & 23 • SIG 220, 225, 226, 228

ALWAYS ON TARGET

Quality tactical, military and outdoor clothing and equipment for your competitions and outdoor adventures. Over 100 full-color pages include target practice aids, holsters, knives, survival and camping gear, binoculars, and more.

For our latest catalog, send your name, address and \$3.00 to:

U.S. CAVALRY 
 WORLD'S FINEST MILITARY AND ADVENTURE EQUIPMENT

Dept. HG08, 2855 Centennial Ave.
 Radcliff, Ky 40160-9000

to wrap some Elastoplast around your finger for longer practice sessions.

Functioning was perfect, other than one quirk, which is noted in the owner's manual. The magazine follower drags against the slide on the last round, so the gun fails to eject the last case, every time. This is unimportant.

If you have fired seven rounds with this gun (six in the magazine, one in the chamber), and have not solved your problem, a speed reload is not likely to help. This is not the kind of gun for which you carry spare magazines. If you do, or for practice sessions, just remember not to shoot the gun dry. Reload while there is still a round in the chamber.

What, No Sights?

I am thoroughly delighted with the concept, design, and execution of the Seecamp .32, with one exception. It has no sights, and I think it should.

Seecamp and I disagree on this. Here is his view, quoted from the owner's manual:

"The Seecamp .32 is unique among present pocket designs. It has no sights, as we do not seek to encourage firearms misuse with promises of a non-existent capability. If you cannot hit your mark with a natural instinctive pointing of the gun in the direction of the target, and feel the need for sights, the LWS .32 is not the gun for you."


Well, gee. Maybe it is not for me, but that would be a shame, because I like the gun. My opinion is that it is better to have sights and not need them, than to need sights and not have them.

Not all gunfight scenarios are at powder burn distance. Granted, this is not a sniper's weapon, but even at 10 and 20 feet, sights make a big difference in hitting.

The Seecamp .32 retails for \$350. You are not likely to see one in the display case at your local hardware store. You get one by ordering direct from the factory. They are six to eight months behind in filling orders.

Also on the drawing board is a 9mm DA-only pistol, the same height, length, width, and weight as a Walther PPK. Size efficiency: if a gun can be chambered for the .380, it can be chambered for the 9mm; the dimensions of the cartridge are close enough.

Now there would be an important pistol. Would it kick? Sure, about as much as a snubby .38 with +P loads. Many people handle that combination just fine. Seecamp is on to something here.

Hey, Larry. Neat gun. Neat design. (How about some sights?) 

Readers interested in the Seecamp pistol can contact the manufacturer at P. O. Box 255, New Haven, CT, 06502 or phone (203) 877-3429.

NEW NIGHT SIGHT GLOW PAINT™

NEVER MISS YOUR TARGET DUE TO LOW LIGHT CONDITIONS!

- This luminous paint glows in the dark
- Easy to apply on your sights
- Our kit will do 30+ sights
- For use on rifles, handguns & shotguns
- A must for low light hunting & defense

Send check or Money Order for \$11.95 plus \$2.00 shipping and handling to: **J-GAR CO., P.O. Box 153, Petersham, Mass. 01366-0153**

BOWLING PINS

\$8 10 PINS, SORTED & GOOD QUALITY
 (+ \$7 frt. E. of Miss. @ frt. W. of Miss.)
 Volume discounts available

**Lauren & Lindsay 10 A Fallen Tree Ct.
 Baltimore, MD 21227 800-852-8736**



357/44 B & D CONVERSIONS

S&W 27-28 -- Ruger 357-9mm
 TC Contender -- Ruger Red Hawk

CUSTOM HANDGUN & RIFLE WORK

BAIN & DAVIS
 307 E. Valley Blvd., San Gabriel, CA 91776
 (818) 573-4241 or (213) 283-7449
 (closed Sun. & Mon.)

BO-MAR COMBAT SIGHT
 Serrated blade®
BMCS®



Pat. Reg. #1,157,220

BO-MAR U.S.A. MADE FOR AMERICANS

World's Finest Handgun Sights at affordable prices

Sight Now Available For S&W 645

Route 12, Box 405 Longview, TX 75605 214-759-4784
 Send Stamped Self-addressed envelope for catalog

ACCURIZE

YOUR OWN .45 AUTO. COMMANDER OR BROWNING HI-POWER

Stainless steel barrel, bushing link & pin match grade \$130.00 PP
 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
 P.O. Box 1838
 29 Palms, CA 92277
 (619) 367-2747

PALADIN PRESS



LEAD POISONING

25 True Stories from the Wrong End of a Gun

by Chris Pfouts

There are two ways this book can save your life. First, if you've never been shot, there are vital lessons to be learned from the stories of those who have. How did the presence of a nickel-plated handgun save one man's life? How can one person get dropped by a bullet in the arm, while another can get shot full in the face yet manage to throw his adversary out a second-story window? The answers to these questions — all found in these real-life accounts — will give you valuable insight into the violent world of gunplay. This is the gritty reality behind gunshot statistics and wound ballistics studies. Second, if you have been shot, then this extraordinary book will help you sort out the experience better than any unknowing pain therapist or psychiatrist could ever hope to. These are the stories of 25 others like yourself, who were put through the most traumatic experience of their lives yet lived to talk about it, heal and go on. 5 1/2 x 8 1/2, hardcover, 184 pp. **\$21.95**

LEAD POISONING

25 TRUE STORIES FROM THE WRONG END OF A GUN

CHRIS PFOUTS



THE HAYDUKE SILENCER BOOK

Quick and Dirty Homemade Silencers
by George Hayduke

Learn how to make firearm silencers from common items found around the house. George Hayduke, the Master of Revenge, will show you how! Enter the world of muffled mayhem with these simple, effective and legal silencer designs. For information purposes only. 5 1/2 x 8 1/2, softcover, photos, illus., 80 pp. **\$10.00**



MANSTOPPERS

Selecting the Right Double-Action Pistol

This video will help you select the right double-action auto pistol for your personal defense needs. Technical advisors Col. Rex Applegate, Wiley Clapp, Tom Campbell and Chuck Karwan contributed to the evaluations of the latest autos from Colt, S&W, Ruger, Glock, SIG-Sauer and others. From the right caliber to the right safety, this video covers it all. Color, approx. 60 min., VHS only. **\$59.95**



BUSINESS PARTNERS

The Best Pistol/Ammunition Combinations for Personal Defense
by Peter Alan Kasler

Here is a practical and realistic assessment of which modern bullets work best in which handguns to get the job done in a life-or-death situation. From the truth about wound ballistics to the debate over the most effective calibers, this book holds nothing back. 5 1/2 x 8 1/2, hardcover, photos, illus., 200 pp. **\$22.95**



TO RIDE, SHOOT STRAIGHT AND SPEAK THE TRUTH

by Jeff Cooper

Combat mind-set, proper sighting, tactical residential architecture, nuclear war — these are some of the many subjects explored by Jeff Cooper in this illustrated anthology. The author discusses various arms, fighting skills and the importance of knowing how to defend oneself, and one's honor, in our rapidly changing world. 5 1/2 x 8 1/2, hardcover, illus., 384 pp. **\$26.00**



MAKING YOUR AR-15 INTO A LEGAL PISTOL

by Duncan Long

Do you want the world's most powerful handgun in your arsenal? Here are step-by-step procedures for building a legal .223 AR-15 pistol without a lot of expense. With simple tools and a minimum of know-how, you can create a semiauto, bolt-action or pump version of the gun. Includes all the info you need to keep your pistol within BATF guidelines. 5 1/2 x 8 1/2, softcover, photos, illus., 88 pp. **\$14.00**



NEW I.D. IN AMERICA

by Anonymous

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. 5 1/2 x 8 1/2, softcover, illus., 120 pp. **\$15.00**



HOME WORKSHOP SILENCERS I

More than fifty 9" x 12" working machinist's drawings present step-by-step directions for building three different advanced firearm silencers. Improved materials and machining techniques are suggested. For reference and historical purposes only. 9 x 12, softcover, illus., 72 pp. **\$12.00**



GET EVEN

The Complete Book of Dirty Tricks
by George Hayduke

A hilarious overview of the methods people use to get even with big business, government and enemies. These dirty tricks range from the simple to the elaborate, including more sophisticated schemes devised by CIA and Mafia members and political dirty tricksters. For entertainment only. 5 1/2 x 8 1/2, hardcover, 206 pp. **\$19.95**



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! 5 1/2 x 8 1/2, softcover, illus., 80 pp. **\$10.00**



THE RUGER 22 AUTOMATIC PISTOL

Standard/Mark I/Mark II Series
by Duncan Long

Here is the definitive book about the pistol that has served more than a million owners so well. Exploded diagrams show how to field-strip and reassemble with a minimum of fuss, and photos illustrate variations, modifications and accessories for one of the most popular .22 auto-matics ever made. 5 1/2 x 8 1/2, softcover, photos, illus., 168 pp. **\$12.00**



THE RUGER 1022 EXOTIC WEAPONS SYSTEM

Now you can convert your Ruger 1022 into a selective-fire weapon that can fire over 1,000 rounds per minute. Build the parts that will transform your Ruger 1022 to full auto — without modifying the receiver or trigger housing. Over 60 explicit photos, machinist's drawings and full-scale templates accompany the detailed instructions. 9 x 12, softcover, photos, illus., 96 pp. **\$16.00**



HOMEMADE SEMTEX

C-4's Ugly Sister
by Seymour Lecker

This first book focusing on Semtex, the plastic most widely used by terrorists around the world, sets the record straight about this powerful but misunderstood explosive. Find out what it will and won't do, its strengths and weaknesses, and how it compares to its U.S. counterpart, C-4. For information purposes only. 5 1/2 x 8 1/2, softcover, 40 pp. **\$10.00**

OTHER FASCINATING TITLES

- | | | | |
|--|---------|--|---------|
| AK47: THE COMPLETE KALASHNIKOV FAMILY OF ASSAULT RIFLES..... | \$14.00 | AR-15/M16 SUPER SYSTEMS..... | \$19.95 |
| SMART BOMBS..... | \$12.00 | EXPLOSIVE DUSTS..... | \$10.00 |
| CZ-75 FAMILY: THE ULTIMATE COMBAT HANDGUN..... | \$16.00 | PAYBACK!..... | \$19.95 |
| MAKE MY DAY!..... | \$19.95 | DEATHTRAP!..... | \$15.00 |
| IMPROVED RADIO DETONATION TECHNIQUES..... | \$17.95 | SEALS: UDT/SEAL OPERATIONS IN VIETNAM..... | \$26.95 |
| UNREPENTANT SINNER..... | \$17.95 | CREDIT SECRETS..... | \$12.00 |
| POWERHOUSE PISTOLS..... | \$19.95 | HOMEMADE C-4: A RECIPE FOR SURVIVAL..... | \$12.00 |
| | | MINI-14 SUPER SYSTEMS..... | \$16.95 |

(Videotapes are nonreturnable. Damaged tapes will be replaced.)

MONEY-BACK GUARANTEE — DEALER INQUIRIES INVITED
Paladin Press • P.O. Box 1307 • Boulder, CO 80306 • (303)443-7250



PALADIN PRESS
P.O. Box 1307-1GA
Boulder, CO 80306

CREDIT CARD ORDERS CALL TOLL FREE
1-800-392-2400

Call 24 hours a day, 7 days a week, from any state but Alaska. Send \$1.00 for 50-page CATALOG of 300 titles (free with order).

PLEASE SEND ME THE FOLLOWING TITLES:

NAME _____

ADDRESS _____

CITY _____

VISA MASTERCARD EXP. _____
CARD# _____
 CHECK / MONEY ORDER

SUBTOTAL _____

PLEASE INCLUDE POSTAGE & HANDLING \$ 4.00

STATE _____ ZIP _____ TOTAL _____

HANDGUN MARKET CLASSIFIED

Classified ads \$.75 per-word per insertion. (\$.60 per-word per insertion for 3 or more) including name address and phone number (20 word minimum). Minimum charge \$15.00. **Bold words add \$.50 per word.** Copy and rerun orders must be accompanied by **PAYMENT IN ADVANCE. NO AGENCY OR CASH DISCOUNTS ON LISTING OR DISPLAY CLASSIFIED ADVERTISING.** All ads must be received with advance payment BY NO LATER THAN THE 25th of each month. **EXAMPLE:** Closing for MAR/APR 1991 issue (on sale Feb. 5) is Nov. 25th. 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, city, state and zip code as counted words. Abbreviations count as one word each. Mail to AMERICAN HANDGUNNER CLASSIFIEDS, 591 Camino de la Reina, Suite 200, San Diego, California 92108. **NOTE: WE NOW HAVE DISPLAY CLASSIFIED ADS IN BOTH GUNS MAGAZINE AND AMERICAN HANDGUNNER. ASK FOR OUR NEW RATE CARD**

COPY DEADLINES

GUNS MAGAZINE		AMERICAN HANDGUNNER	
ISSUE	DEADLINE	ON SALE	ISSUE
JAN	SEP 25	DEC 1	JAN/FEB
FEB	OCT 25	JAN 1	
MAR	NOV 25	FEB 1	MAR/APR
APR	DEC 25	MAR 1	
MAY	JAN 25	APR 1	MAY/JUN
JUNE	FEB 25	MAY 1	
JULY	MAR 25	JUNE 1	JULY/AUG
AUG	APR 25	JULY 1	
SEPT	MAY 25	AUG 1	SEPT/OCT
OCT	JUNE 25	SEPT 1	
NOV	JULY 25	OCT 1	NOV/DEC
DEC	AUG 25	NOV 1	

ACCESSORIES

Concealed Weapon License Identification Badge. Finest quality, made to order with your license number. Catalog Free. Seven Seas, POB 3906, Dept. 45, Apollo Beach, FL 33570. Ph. 813-645-2621.

Once-fired and new brass: Pistol and Rifle. Send SASE for price list. Cheyenne Brass, PO Box 5254, Cheyenne, WY 82003.

"MUGGED?" Obtain concealed weapons in your state while you still can! Send SASE: Weapons, 8270 SW Sorrento, Beaverton, OR 97005.

CLIP-LOADERS for .22 Ruger MK1 and MK2, Huntsman, Woodsman, Challenger, Buckmark, Hi-Standard, Lightning, also a loader for S&W 41 and 422, send \$3.95 plus \$.85 S&H. **AMT. 22 MAGNUM OWNERS** we have a loading aid for you, send \$4.95 plus \$.85 S&H to: CLIP-LOADER INC., 5906 S.E. Lloyd St., Milwaukie, OR 97222.

One Time Lasersight Distributor Closeout!

Full One Year Warranty

Includes dovetail type Weaver mounts and velcro attaching activator switch.

\$199.99
RETAIL \$399.00



Mastercard & Visa accepted.
CA residents add 7% sales tax. Add \$7.50 ea. for shipping and handling. Mail orders send certified check or money order to:

FOR ORDERS ONLY
CALL TOLL-FREE

1-800-642-1144

AVIN INDUSTRIES
5070 SANTA FE ST.
SAN DIEGO, CA 92109

A.M.T. 22 MAGNUM OWNERS. WE NOW HAVE A MAGAZINE LOADER FOR THIS AUTO. SEND \$4.95 PLUS \$.85(cents) S & H TO: CLIP-LOADER INC., 5906 S.E. LLOYD ST., MILWAUKIE, OR 97222.

DESERT EAGLE, WILDEY, 1911A1 COMP. GUN, GRIZZLY OWNERS? Put your expensive gun in padded black canvas and leather case. **SUPREME QUALITY MINNESOTA GUN CASES** Inside Clip Storage. Beautiful shotgun cases. **DESERT EAGLE BELT BUCKLE.** Solid brass \$24.95 or plated with real silver and gold \$59.95. **DESERT EAGLE COFFEE MUG.** Black, silver print of gun, logo, history of Desert Eagle. \$12.95. Shipping any items \$2.95. VISA/MC. Catalog \$1.00 refundable with order. Specify gun: Lifton Studio Inc., 121 S. 6th Street, Stillwater, MN 55082 (612-439-7208).

HANDGUN TARGETS Unique design for handguns or any type open sights. 12 targets \$3.00 + \$1.00 S & H to: Graphic Engineering, Box 310, Emlenton, PA 16373.

Build your own custom gun cabinet. Easy to follow plans. \$5.95: D.J. AYERS, 179 Hoffman Avenue, Elmont, NY 11003.

HOLSTERS, CASES AND MUCH MORE AVAILABLE - LEATHER, VINYL OR CLOTH. CATALOG \$4 - redeemable. LEATHER WESTERN GUN HOLSTERS SING/DBL \$65/\$95. RIFLE CASED \$10/\$58. STALEX ENTERPRISES, PO BOX 2446, CORONA, CA 91718. (714)279-1524.

Holster- Hip, ankle, shoulder, bandolier hunting or concealment. Below retail. Prices starting at \$4.95ea. Send \$2.00 for catalogue to: D & B Gun Shop, P.O. Box 60512, Phoenix, AZ 85082-0512.

GENERATOR FLASHLIGHT - Grip-Lever Operated. No Batteries! Dependable Backup Flashlight. \$6.95: REDWOOD HOUSE, 3902-B Witherby St, San Diego, CA 92110-2913.

COLT HAMMER SHROUDS - New, original Colt for "D" frame revolvers. Remit \$51.45 (includes insurance & Shipping). R.A.S., 142 New Canaan Ave, Norwalk, CT 06850.

GENUINE MOTHER OF PEARL HANDGUN GRIPS 45 auto. Colt 380, Mustang, S & W J, etc. Exotic fancy grain ebony wood for 45 auto, S & W J.K.N frames, Ruger Blackhawk, super blackhawk, Bisley, Mark II with thumbrest, LAR grizzly 45 win-mag. Also available in selected models in buffalo horn and black ebony. Try our new 3-finger groove wrap around in exotic ebony handcrafted for 45 auto and S & W J, K.N. Send \$2 for colored brochure. Dealers welcome. NAVIDREX ENTERPRISES, 545 N. Hoover Ave #2, Los Angeles, CA 90004.

SILENCER PLANS. Secret Soviet Design Found in Afghanistan. Extremely quiet, simple N.F.A. Rules apply. Send \$10.00 m/o to: Plans, Box 463, Grants Pass, OR 97526.

"TARGET ENTHUSIASTS" Set of 16 terrorist targets, featuring SUDDAM HUSSEIN. Send \$5.00 plus \$.75(cents) S&H to: (SPEC. TARGETS), JCRS, 6677 W. Colfax Ave., Box 214, Denver, Colo. 80214-1896.

AMMUNITION

38 SPECIAL RELOADED AMMUNITION- Remanufactured using fully automated equipment. 158 gr. SWC \$87.00M-148 gr. WC \$85.00M. reloading since 1974. MFS Co., 1441 W. John st., Matthews, NC 28105. 8700/8<-7-8793.

SPECIAL PURPOSE AMMO AND MUNITIONS. Reload your own: Tracers, A.P., Incendiary, H.E. ammo, 12 Ga. Flares, Thermite/Smoke Grenades and many others. SASE for free list. T. Tyler, Box 2700H, Dept SÖF, Huntington Beach, CA 92647.

FREE DISCOUNT AMMUNITION CATALOG Save up to 50% on new, obsolete, military, rimfire, centerfire, shotshell and accessories. Atlanta Discount Ammo, Dept. O, P.O. Box 258, Clarksville, GA 30523.

SPECIAL PURPOSE AMMUNITION: BEEHIVE, MULTIPLEX, tracers, bird bombs. Send \$1.00 for catalog to: HORIZONS UNLIMITED, 9208 Kingston Pike, Suite 195, Dept. AH, Knoxville, TN 37922.

TRACERS, reload your own (as described in the Dec. issue of SOLDIER OF FORTUNE.) Military type, red, green, white or amber burning tracer, any caliber. Step by step instructions. Includes detailed drawings, bullet preparation, reloading instructions. \$5.00: T. Tyler, Box 2700H, Dept. SÖF, Huntington Beach, CA 92647.

SPECIAL SUB-SONIC .22 AMMO FOR SILENCED WEAPONS! IMPORTED GERMAN HOLLOW POINT ROUNDS FOR RIFLES/PISTOLS USING SUPPRESSORS! REDUCE MUZZLE CRACK IN ANY WEAPON! NO LICENSE REQUIRED IF OVER 21! 3 BOXES (150 ROUNDS) \$13.00 + \$5.00 UPS. NO P.O. BOXES, LOWER 48 STATES ONLY. INC. 220 CARROLL #D, S'PORT, LA 71105 (318)222-2970.

Save money, make match. 22 rimfire ammunition from cheap ammunition. Reduce group sizes in half. Send \$3.00 to: Accuracy, Box 121, Intercourse, PA 17534.

AWESOME AMMUNITION for self defense. Special purpose, general purpose, and Hard to Find ammo shipped directly to you. Featuring TRACERS, BIRDBOMBS, EXPLOSIVE BULLETS, and unique accessories. Catalog \$2. CSC, Dept. AH, Box 17, Atmore, AL 36504-0017.

Ammunition Buyers- tired of high retail prices? Write for our free catalog on Blazer, Federal, Remington and Winchester ammunition. Nick's Ammunition, 220 Rolling Acres Trail, Dept. B, Boerne, TX 78006.

BOOKS

"THE ANARCHIST COOKBOOK" IS AVAILABLE AGAIN! \$22, postpaid. Barricade Books, BOX 1401-GG, Seacucus, NJ 07096.

STATE PISTOL LAWS, latest pistol carrying, purchasing, etc., regulations for all states and FEDERAL GUN LAWS. Both books \$6.00. **POLICE EQUIPMENT CATALOG** \$2.00: Schlesinger, Department E., P.O. Box 882, New York, NY 10150.

1990 AMERICAN HANDGUNNER ANNUAL. This year's exciting look at the handguns. Includes: Massad Ayoob's Auto vs. Revolver for self-defense, travel back in time with Col. Charles Askins and meet the biggest names in handgunning. Mark Hampton looks at the best guns for handgun hunting and much more. Send \$6.95 postpaid to: HANDGUNNER ANNUAL, Dept. HGA-H07, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

SHOOT A HANDGUN reveals the expert's way to use your handgun safely, effectively and within the law. Learn how and where to shoot, firearms responsibility, what ammunition to purchase, and more. Special chapter on defensive pistol shooting, plus a glossary of handgun terms. Only \$10.95 postpaid. (CA Res. add 7% sales tax) GUN BOOKS, Dept. SH-H07, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

SHOOTING by Edward Matunas. Learn how to become an expert marksman with rifle, shotgun, handgun, muzzleloader and bow. You'll get tips on selecting the proper weapon and accessories, and be provided with a detailed course in ballistics. For your copy, send \$34.95 postpaid (CA Residents add 7% sales tax) to: GUNS BOOKS, Dept. SG-H07, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

1990 GUNS ANNUAL AVAILABLE NOW! This year's annual includes: Massad Ayoob's perspectives on the 10mm, Jim Fender discusses the Facts and Fantasies about Assault Rifles. A Catalog Section which includes a reference of currently manufactured handguns, rifles and shotguns. Complete with specs. and prices. To order your's today, send \$6.95 postpaid to: GUNS ANNUAL, Dept. GA-H07, PO Box 16025, San Diego, CA 92116.

MASTER TIPS By Jon Winokur The best shooters in the business teach you step-by-step mastery of the techniques that made them winners. For your copy, Send \$13.45 Postpaid (CA Residents add 7% sales tax) to: GUNS BOOKS, Dept. MT-H07, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

NEW CATALOG every two months! New books on weaponry, revenge and dozens of other subjects! Send \$1.00 for 50-page catalog describing over 300 titles. PALADIN PRESS, P.O. Box 1307-9GAT, Boulder, Colorado 80306.

Gun Silencers/Noise suppressors. Complete how to booklet: Five easy steps to complete information on Silencers and suppressors. Plans, Diagrams, Specifications and Sources. Just send \$29.95 to: Diamond Distributors, P.O. Box 991, Honolulu, Hawaii 96808.

"FIREARMS LAWS" DON'T END UP BREAKING A LAW YOU WEREN'T AWARE OF! BE SMART AND LEARN YOUR LAWS! COMPLETE 250-PAGES ALL 50 STATES INCLUDING LOCAL ORDINANCES \$19.95. "INFORMATION INTERNATIONAL" 5 WELSTEAD PLACE, DEPT. 22, ROCHESTER, N.Y. 14613.

EXPATRIATE'S EMPLOYMENT HANDBOOK Seeing the world and getting paid for it! By Dennis Riley-Open the door to a new life and a world of adventure. The author's simple, infallible job-search system has never failed to bring him an overseas offer. Now you can, too. 5-1/2x8-1/2, softcover, photos, 144pp. Send \$18.50 ppd to: Paladin Press, P.O. Box 1307-1AAK, Boulder, Colorado 80306.

THROWING WEAPONS! Learn the art of throwing knives, axes, spears, shurikens and more. Softbound book, 104 pages. Order Now Send \$9.95 to: Patrick Publications, Dept. 171, P.O. Box 96297, Las Vegas, NV 89193-6297.

BUSINESS PARTNERS: The Best Pistol/Ammunition Combinations for Personal Defense. Here is a practical and realistic assessment of which modern bullets work best in which handguns to get the job done in a life-or-death situation. From the truth about wound ballistics to the debate over the most effective calibers, this book holds nothing back. 5-1/2x8-1/2, hardcover, photos, illus., 200pp. Send \$26.95ppd to: Paladin Press, Box 1307-1GAK, Boulder, Colorado 80306, (303)443-7250.

MEN OF ACTION AND ADVENTURE- Order our 50-page catalog! Books and videos on new identity, improvised explosives, revenge, firearms, survival, and many other outrageous and controversial subjects. Get yours today! Send \$1.00 to: PALADIN PRESS, P.O. Box 1307-1GAT, Boulder, Colorado 80306.

HOMEMADE SILENCERS. Free report tells you how! Send only \$1.00 P&H to: Mathis Publishing, 226 State Loop, Columbus, Mississippi 39701.

CUT AUTOMOBILE INSURANCE PREMIUMS 50%. Free report. GUARANTEED \$200.00 return!!! Send only \$2.00 P&H to: Mathis Publishing, 226 State Loop, Columbus, Mississippi 39701.

SILENCERS MADE EASILY. from over the counter parts. Easy to follow instructions. \$10 to: D.D. & D., #11, P.O. BOX 5603, YOUNGSTOWN, OHIO 44504.

BUSINESS OPPORTUNITIES

WE NOW HAVE DISPLAY CLASSIFIED ADVERTISING WRITE OR CALL for our new rate cards for both GUNS MAGAZINE AND AMERICAN HANDGUNNER MAGAZINE. Listing rates for both magazines are \$.75(1X) a word including address and phone number. Display rates go from 1" to 3", and 1 to 12 time rates. Check out the Mar '91 Guns & M/ A '91 Handgunner. CLASSIFIED ADVERTISING, 591 Camino de la Reina, Suite 200, San Diego, CA 92138.

SECRET LOANS! We lend money by mail- \$300 to \$5000 in absolute privacy. Borrow for any good reason. No co-signers. No mortgages. Write for details and application - no obligation. Financial Services, Dept. L, Drawer 1883, Alabaster, Alabama 35007-1883. Enclose envelope!

EARN EXTRA INCOME!!! Our company offer legal and legitimate ways to earn as much as you can. For more information, send a SASE to: Profits, Box 277, Verbena, Alabama 36091-0277.

JOURNEYMAN CREDENTIALS granted legitimate! Write: National Craftsman Union, P.O. B. #12332, Milwaukee, WI 53212.

LEARN GOLD, SILVER, PLATINUM, SCRAP RECYCLING BUSINESS. \$75,000 YEAR POSSIBLE. SPARE TIME. EASY! FREE INFORMATION: RECYCLING, BOX 11216-GH, RENO, NV 89510-1216.

\$20,000.00 Yearly as a part time gun dealer. No gimmicks. My method works! Send SASE: FIREARMS, 8270 SW Sorrento, Beaverton, OR 97005.

LET THE GOVERNMENT FINANCE your new or existing small business. Grants/loans to \$500,000 yearly. Free recorded message: 707-448-0270. (JR3).

INDOOR PISTOL CLUB & SPORTING GOOD SHOPPE. Learn how to start your own very profitable business from the experts. Send today for our step by step copyrighted manual written by the country's most experienced commercial indoor pistol range operator. \$49.95 Check or MO payable to: THE PROGRAM, % Inner Circle Indoor Pistol Ranges of America Inc., Dept. E, PO Box 787, Medford, NJ 08055-0787.

A NEW IDEA! Call National Idea Center of Washington D.C. free info - 1-800-247-6600, Ext 124. Come see the Invention Store!!

"MAKE MONEY" GET A FEDERAL FIREARMS LICENSE!!! START AN EXCITING AND PROFITABLE BUSINESS OF YOUR OWN!! GET DEALERS MAKE MONEY!! COMPLETE INFORMATION, OFFICIAL FORMS, STEP BY STEP FOR SUCCESS!! "GUARANTEED" \$7.95 - "INTERNATIONAL BUSINESS CONCEPTS", 5 WELSTEAD PLACE, DEPT-18, ROCHESTER, NY 14613.

BEST FFL LICENSE KIT!!! Professional Gun Dealer Kit gives you EVERYTHING you need! License Forms, Regulations, Professional Advice, Hundreds of Wholesalers and Phones! MONEYBACK GUARANTEED! \$4.95: SHOOTERS GUNSHOP, P.O. Box 379-H, Hopwood, PA 15445.

BECOME FEDERALLY LICENSED FIREARMS DEALER! Complete forms/instructions \$5.00. "Starting Your Own Gun Business" (packed with information for your success) \$4.95. License guaranteed or full refund! All above \$7.95. Metro, Drawer 2267-SC, Sun City, AZ 85372.

BECOME A LICENSED FIREARMS DEALER! Official forms, latest BATF instructions. Wholesale sources. License guaranteed or full refund! \$5.00. Monarch, Box 1416-EM, El Mirage, AZ 85335.

"1-900" PAY-PER-DIAL phone numbers for lease. Only \$25/month. Make \$15,000/month. Call 1-900-654-4040 Ext. 28. (\$2.00/minute).

SEIZED CARS, trucks, boats, 4wheelers, motorhomes, by FBI, IRS, DEA. Available your area now. Call 1-805-682-7555 Ext. C-2418.

HOW TO MAKE BIG PROFITS IN MAIL ORDER FROM SCRATCH. Free report send SASE to: Ucero Publishing, PO Box 30408-AH, MWC, OK 73140.

GREAT NEW CATALOGUE DIRECTORY OF OVER 80 MONEY MAKING OPPORTUNITIES, send \$2.00 refund with purchase to: Ucero Publishing, PO Box 30408-AH, MWC, OK 73140.

READ BOOKS for pay! No exp. Call 1-900-847-7878 (\$0.99/Min) or Write: PASE -AAIA, 161 Lincolnway, North Aurora, IL 60542.

FOR HIRE. H.M. FORCES (R.E.M.E.) Qualified English armourer, I.P.S.C. Pistol instructor, U.K.F.S.A. chief range officer, and international range officer. 30 years experience of the firearms trade. Including 10 years as armourer for T.V. & film companies. For detailed C.V. write to: Barry G. Pollard, 88, Thornhill St, Calverley, Puosey, LS28 5PD ENGLAND.

COLLECTORS

MILITARY MINIATURE SOLDIERS, METAL AND PLASTIC HANDPAINTED, PLASTIC GUN KITS, MODELS, CATALOG \$5.00. CLASSIC CREATIONS, P.O. BOX 1011 DEPT. AH, HUTCHINSON, KS 67504-1011.

M1 CARBINE COLLECTORS ASSOCIATION. Monthly newsletter, technical information, product testing, advertising. \$20 U.S. yearly dues, or send SASE: M1-CCA, P.O. Box 4895, Stateline, NV 89449.

EMBLEMS & INSIGNIA

CUSTOM EMBROIDERED EMBLEMS-DECALS-PINS. Free catalog/Quotes. Highest Quality, Guaranteed Lowest Prices. Rush Sketch. STADRIA, 57 Leroy Street. N.Y.C. 10014. (212)929-2293.

GUNS HATS! Show your friends that you're a GUNS Team Member. Each hat features: Bright orange logo, sand colored cap; polyester front/Mesh back. Only \$5.95 + 7% sales tax for Calif. Residents. Send to: GUNS HATS, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

Also available...GUNS Team member pins. Get your own GUNS Team member pin for only \$2.75 Postpaid. Send to: GUNS PINS, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

FIREWORKS

FIREWORKS WHOLESALE: Big savings on over 200 Class C items. Catalog \$2.00: Classic Fireworks, POB 142, Middlefield, CT 06455.

FIREWORKS: Firecrackers, Bottle Rockets, Roman Candles, Sky Rockets, and much more. For Wholesale price list send \$1.00: Classic Fireworks, P.O. Box 142, Middlefield, Conn. 06455-0142.

Successful and expanding British Shooting magazine seeks development capital for major launch in USA. Equity available. Call 011 44 494 452151, (Fax 011 44 494 727454).

CHERRYBOMBS, M-70'S, M-90'S, M-100'S BUZZBOMBS, CANNON & TIME FUSE, PULL & ELECTRIC IGNITERS, STARS 1/4" TO 1". FIREWORK CHEMICALS, ETC. CATALOG \$5. REFUNDABLE 1ST ORDER. CAPITOL FIREWORKS, 1805 WEST MONROE, SPRINGFIELD, IL 62704.

PIRO-TEK offers simple complete guide to **home-built explosives,** bombs and booby traps. This is not one of those "COOK BOOK" type "how to" books that dig through page after page of complicated procedures that only a chemist could follow. The devices we describe are probably already in your home, they just haven't been assembled yet. If you are not completely satisfied with the information in this pamphlet, return it for a full refund. Send \$10.00 to: PIRO-TEK, P.O. Box 1748, Russellville, Arkansas 72801.

SAVE \$100's BUILD YOUR OWN ROCKET LAUNCHER Totally legal, easy to build and obtain materials. Built for under \$20.00, sturdy construction, no gimmick. Trajectory range up to 5000m. Rockets can be armed with explosives for complete plans and instructions send \$12.95 to: Muscle Health, P.O. Box 911, Bloomingdale, IL 60108.

FOR SALE

Is It True You Can Buy Jeeps for \$44 through the U.S. Government? Get the facts today! CALL 1-504-649-5745 EXT. S-2720.

"GUN LAWS" ALL 50 STATE AND LOCAL FIREARMS LAWS!!!! "GUARANTEED" \$14.95. "DENCO ENTERPRISES", BOX 40383, DEPT-14, ROCHESTER, NY 14604.

GOVT SEIZED SURPLUS VEHICLES AVAILABLE FROM \$100! CALL FOR IMMEDIATE INFORMATION. 1-504-649-5745 EXT. S-2720.

MAGAZINES FOR SALE. AMERICAN HANDGUNNER, AMERICAN RIFLEMAN, GUNS AND AMMO, HANDLOADER, RIFLE, SHOOTING TIMES, GUN REPORT. 100'S OF OTHER TITLES, HUNTING, FISHING, GUN DIGESTS, STOGBERS, SINGLE COPIES, FULL YEARS, OVER 100,000 IN STOCK. HIGHWOOD BOOKSHOP, BOX 1246 AH, TRAVERSE CITY, MICHIGAN 49685.

Piezoelectric Quartz Electric Butanne Lighter. The Derringer pistol. 3-1/4" long. 24K gold plated with simulated pearl handle grip. Easy to light-simply pull the gold plated trigger. Stand included. Gift boxed. Great Christmas gift only \$19.95 plus \$3.00 shipping. AMS Enterprises, 29A Hope Lane, Dennis, MA 02638.

CAP-STUN - THE ONE THAT WORKS! SELF DEFENSE AEROSOL. Approved by FBI - used by 1200 police agencies. The park Service uses it to discourage BEARS! DEVASTATINGLY EFFECTIVE against psychotics and persons intoxicated by alcohol or drugs. Mace isn't INSTANT INCAPACITATION - NO AFTER EFFECTS! Great gift... discounted price. Be aware of imitators. M-1 1/2oz with pocket clip - \$6.50. KM 1/2oz in case with key ring and belt clip - \$8.50. *specify black, brown or white. Please add \$1.50 per TOTAL order s/h. For lawful self-defense. Read package insert. Obey local laws. Send cash, check or money order to: Craig Anderson, 582 West Nyack Road, West Nyack, N.Y. 10994.

FOR SALE. GUN LOG! Keep track of your valuable guns, pocket held log with sections for use at gun shows, inventory, serial numbers for insurance records. Dealer Inquires welcome. \$6.95 plus \$1.50 postage and handling to: F.A.B. Products, P.O. Box 460-B, Carlisle, IA 50047.

GUN PARTS

SMITH & WESSON EARLY MODELS = I repair and restore them, have parts. SASE for brochure. Liberty Antique Gunworks, 19 Key St., Eastport, Maine 04631 (207)853-2327.

Semi-Precious Permanent Stone Grips Automatics Only! Color photo price list \$3.00. R.M. Howson Enterprises, P.O. Box 1101, Henderson, Texas 75653.

GUNS FOR SALE

ANYONE CAN BECOME A FIREARMS DEALER!!! EVERYTHING NECESSARY TO START YOUR BUSINESS!! "GUARANTEED" \$3.95 - "DENCO ENTERPRISES", BOX 40383, DEPT-12, ROCHESTER, NY 14604.

GUNSMITHING

Custom Handguns for street or competition 45 Auto and S&W Revolvers. S&W Armored School certified revolver and auto. Free Brochure: Karl Sokol, Chestnut Mountain Sports, 65 So. Main St., So. Deerfield, MA 01373, 413-665-4647.

PISTOLSMITHING: Custom and Repairs. Custom guns built, street carry to competition, mild to wild. Repairs, Action tuning and accessory installation. Satisfaction guaranteed. Send for price list or send Spec's for quote. BMG, 1265 5th Ave, Yuma, Arizona 85364, 602-783-5161.

Learn 'State of the Art' Gunsmithing in the pleasant climate of central Arizona. Modern program teaches full spectrum skills including modern and advanced technology. Approved by Veterans Administration and Vocational Rehabilitation. Contact Registrar, Yavapai College, 1100 East Sheldon, Prescott, AZ 86301 or (602)445-7300 or toll free in Arizona 1-800-992-6787.

PISTOLSMITH NEEDED Minimum three years experience building and customizing 1911 pistols and operating engine lathes and milling machines. No phone call please. Send Resume to: GUNSMITH (SAM), 420 West Main Street, Geneseo, IL 61254.

INSTRUCTION

Basic Investigation Training. Diploma program offered by Lion Investigation Academy, a licensed institution. Write Lion Investigation Academy, 3161 Shakespear Rd., Bethlehem, PA 18017 for brochure. Lion Investigation Academy is a division of American Detective Agency. No salesman will call.

"VCR TECHNICIAN SECRETS" Clean VCRs, stop VCRs from eating tapes. Send \$5.00 to: White's TV, P.O. Box 201-C, Hampton, TN 37658.

LEARN GUNSMITHING AT HOME!

Home study course makes you a pro with rifles, shotguns, pistols. Free booklet: 800-223-4542.

Name _____
Address _____
City _____ State _____ Zip _____

The School of Gunsmithing, 2245 Perimeter Park, Dept. GH 476, Atlanta, Georgia 30341

GUNSMITHS! MAKE MAGIC! Learn the correct way to do a trigger job on Colt style 1911-A1s. Complete in painstaking detail, no more mystery. No longer will you have to turn this work away because you can't do it. Now you can make triggers feel like a glass star breaking. Send \$12.95. Gun Garage, 12 Rosedale, St., Dept. AH, Danielson, CT 06239.

FIELDSTRIP/DISASSEMBLY/REASSEMBLY How-to videos. \$27 each. VHS specify video order: Colt SAA; Gov't 45; PPKS; Ruger RST. Also reloading pistol ammo \$19. TJE Video Production, Box 50141, Reno, NV 89513.

INCREASE YOUR HOME'S EQUITY. Profitable winter "DO IT YOURSELF" project. Learn from professional video how to install a powerful built-in vacuum system also a profitable business opportunity! "VIDEO" comes with below factory cost offer on "EVERYTHING YOU NEED" delivered to your door. PUT YOUR HOME IN THE FUTURE! Visa/MC orders call toll free 1-800-537-0377 \$20.00/Refundable". Wall to Wall built-in Central vacuum. 2633 so. Ridgeland Ave., Berwyn, IL 60402.

BECOME A PARALEGAL. JOIN AMERICA'S FASTEST GROWING PROFESSION. WORK WITH ATTORNEYS. LAWYER INSTRUCTED HOME STUDY. THE FINEST PARALEGAL PROGRAM AVAILABLE. FREE CATALOGUE. 800-362-7070 DEPT. LF476.

Great money in VCR repair!

Home study. Learn high-profit repairs without investing in high-tech instruments. FREE BOOKLET: 800-223-4542.

Name _____
Address _____
City _____ State _____ Zip _____
The School of VCR Repair, 2245 Perimeter Park, Dept. VH 476, Atlanta, Georgia 30341



Licensed Firearms Dealer Application Kit, 1,200-item Dealer Supply Catalog. DEALER-DISTRIBUTOR MAGAZINE \$5.00. Interstate Enterprises, Drawer 19689-AH, Houston, TX 77224.

A NON-NONSENSE WAY TO \$500 A DAY! \$1 and SASE to: T. Ketcham, 104 Cambridge Ave., Garden City, NY 11530.

GET PAID for mailing letters! \$200.00 daily. No exp. Write: PAASE -EFS, 161 Lincoln Way, North Aurora, IL 60542.

BECOME A REAL ESTATE APPRAISER. \$100,000 PLUS POTENTIAL. HOME STUDY OR ATLANTA CLASSES. EARN CERTIFICATION THROUGH NATIONAL COLLEGE OF APPRAISAL. FREE LITERATURE. 800-362-7070 DEPT. RF476.

BECOME A VETERINARY ASSISTANT/ ANIMAL CARE SPECIALIST. HOME STUDY. TURN YOUR LOVE OF ANIMALS INTO AN EXCITING CAREER. FREE FACT-FILLED LITERATURE. 800-362-7070 DEPT. CF476.

CRIME PREVENTION MANUALS, TEARGAS, STUNGUNS, and other defense devices. Send now for free catalog. Defiance Security Products, 26 S. Main St., Suite 119-C, Concord, NH 03301.

KNIVES & SWORDS

UNIQUE CUTLERY OUR SPECIALTY We carry all brands and types of cutlery, firearms and necessities. **CUTLERY KING tm**, P.O. Box 464419, Lawrenceville, GA 30246. 1-800-634-6205/Local 925-9086.

KNIVES NEW '89 Models, Largest Selections, Lowest Prices Anywhere, A.G. Russell, Al Mar, Boker, Browning, Buck, Case, Cold Steel, Coleman Western, DMT, Eye Brand, Eze Lap, Frost, Gerber, Kabar, Kershaw, Lakota, Lansky, Leatherman, Old Timer, Puma, Queen, Remington, Schrade, Spyderco, Taylor, Tenka, Uncle Henry, United, Victorinox, Winchester, Wyoming, Kitchen Cutlery, CATALOG \$2.00, FOREIGN \$5.00 **TAR HEEL CUTLERY**, P.O. BOX 12819-AH, WINSTON-SALEM, N.C. 27117.

Knives- Kitchen, pocket, hunting or survival. Starting at \$2.95ea. For catalogue send \$2.00 to: D & B Gun Shop, P.O. Box 60512, Phoenix, AZ 85208-0512.

Stiletos from Germany, Spain, Italy, out-the-fronts, 3"-14" open. Send \$3.00 for catalog. U.S.S. Cutt, 8948 S.W. Barbur Blv., Portland, OR 97219-4016.

7-1/4" Boot knife- hand tooled leather sheath with clip. Stainless steel blade, hard plastic handle. Order No. 5-80. R.T. Barr & Co., P.O. Box 118, Delray Beach, Fla. 33447.

LEATHERCRAFT

MILITARIA

GERMAN WW1- WW2 (3rd Reich) MILITARIA Collectors catalogue for \$5 (CASH/ Refundable) to: RZM, PF. 1244, 5143 WASSENBERG, Germany.

Smoke Generating Devices (Candles, Bombs, Pots, Grenades) - Send \$3.00 (refundable with order) for catalogue of these and much more! Call 1-900-99-7036 Ext. 1017 for inside information. Call cost \$1.99. Signus, Box 33712-E1, Phoenix, AZ 85067.

MILITARY SURPLUS

ATTENTION- GOVERNMENT SEIZED VEHICLES from \$100. Fords, Mercedes, Corvettes, Chevys. Surplus Buyers Guide. 1-602-838-8885 EXT. A9748.

NEW 1990 GOVERNMENT SURPLUS DIRECTORY. Buy Weapon, Jeeps, Trucks, Computers, Camping Equipment and More! Over 900,000 items available. (Satisfaction Guaranteed) \$5.00. **SURPLUS**, Dept. AH1, P.O. Box 1600, Everett, WA 98204-1600.

MISCELLANEOUS

STUNGUNS - TEAR GAS. For self defense only. Protect your family. Free information. Spectrum, Box 727-AE, Grayslake, IL 60030.

KNUCKS- Genuine brass paperweights, not cheap aluminum, same day delivery \$7.95 prepaid: Matthews Police Supply, P.O. Box 1754, Matthews, NC 28105.

CHEWING-SMOKING Tobacco! Do you Chew-Smoke? Free samples - Twist, Snuff, Pipe. Guaranteed satisfaction. **FRED STOKER & SONS**, Dresden, Tennessee 38225.

CRIMEFIGHTERS Send \$2. for illustrated catalog: B-PEC, Dept 4291, Box 7638, Sunnymead, CA 92303.

INVESTIGATIVE NEWS America's number one, all new, information newsletter. Each issue is jam packed with information and articles on skip tracing, bounty hunting, surveillance street survival, interrogation, undercover, executive protection, terrorism, criminal investigations and civil litigation. Also included are book and product reviews, confidential reports and hard to find information. Send for free copy today. **INVESTIGATIVE NEWS**, 13575-AH, Martinique, Chino Hills, CA 91709.

Certificate of Expert .45 Cal Sub Machine Gun. Suitable for framing. Great Gag! Prepared in YOUR Name. Send \$4.95 to: Ergo Sport, 1000 Nevada Hwy, Suite #203, Boulder City, Nevada 89005.

EASY WORK! EXCELLENT PAY! ASSEMBLE PRODUCTS AT HOME. CALL FOR INFORMATION 504-641-8003 Ext 2720. (Open 7 days).

Cable TV converters and descramblers! Zenith, Tocom, Hamlin, Oak, Scientific Atlanta, Zenith. NEW: Video tape descramblers, eliminates the color loss, only \$79.95. Free catalog. GCN, 1032 Irving St., Suite #109-E, S.F., CA 94122. NO CA SALES 415-566-9688.

LOOKING FOR A TOOL? Over 500 U.S. tools. Lifetime Warranty. Now order direct for rock bottom prices! New catalog \$2.00 (refundable). **POST TOOLS**, 40 Nelson, Silver Bay, MN 55614.

AMERICAN HANDGUNNER INDEX OF ADVERTISERS

Accurate Arms	90	Combat Shop	83	Jarvis Gunsmithing	120	Quasi-SCS	51
Accurate Plating	96	Compassco Inc	118	Kings Gun Works	49	Ranch Products	115
Aimpoint	93	Competition Electronics	3	Kleenbore	8	Ransom Intl.	95
Ajax Custom Grips	125	Cor-Bon Bullets	24	Bob Krieger	112	Ringler Custom	112
American Derringer	112/120	Cylinder & Slide	52	LaRocca's Gun Works	84	RTP Products	114
American Sales	116	Davis Industries	118	Lauren & Lindsey	120	Wil Schuermann	90
Artzen	8	DBI	46-47	Leather Arsenal	120	SeeR Inc.	115
Athwood Arms	84	Denny's Shooters Supply	38-39	Lae's Red Ramps	94	Shooters Depot	21
Austra Comp	119	Desantis	6	Leupold Stevens	29	Shooting Chrony	92
Auto Ordnance	89	Dillon	13	Lyman	79	Sierra Bullets	7
B-Square	53	Drakes Targets	53	Mag-Ho-Port	80	Sigarms	31
Bain & Davis	120	Dynamit Nobel	125	Mail Order Video	40	Smith & Alexander	109
Bar-Sta	120	Brian Enos	107	Chip McCormick	28	Milt Sparks	103
L.L. Baston	85	EPC-Electro Prismatic Collimators	19	Meprolight/Hesco	16	Springfield Armory	108/C3
Baumannize Inc.	106	Franklin Mint	11/17	Merit Corporation	113	SSK Industries	53
Bergman-Williams	48	Gage Mfg.	95	Metaley	113	Stewart Arms Co.	91
Better Accuracy	84/115	Galco International	C2	Michaels of Oregon	10	T-D Arms	87
Blackhawk Crossbows	118	Guncraft Inc	114	Mixson Leathercraft	81	Tanks Rifle Shop	119
Ted Blockers Custom	113	Guncraft Sports	33	Modern Schools of America	107	Tasco	23
Bo-Mar	120	Gun Parts	103	MSS Maharlika	102	Ten Ring Precision	82
CT Brian	103	Hammerli Ltd.	26	MTM Molded	119	Trijicon	55
Briley	10/108	Heine	96	National Bullet Co.	83	Melvin Tyler	115
Ed Brown Products	78	Hildago	116	Oehler	115	U.S. Cavalry	120
Maynard Buehler Inc	112	HKS Products	116	Oglesby & Oglesby	93	Urschell Mfg.	94
Bull-X	35	Jim Hoag	115	P.A.S.T. Corp.	82	VIC International	103
Borris	14	Hogue Grips	88	Pachmayr	101	Waller & Son	82
C.P. Bullets	25	Hornady	9	Pact Inc	5/75	Wayland Precision	116
California Grip	107	Don Hume Leather	92	Paladin Press	121	Weigand Combat Handguns	94
Caspian Arms	106	Hydrosorbent	107	Para Ordnance	86	Wichita Arms	89
Centaur Systems	95	IMR	22	J. Michael Plaxco	77	Wilson's Gun Shop	77/79/81
Centerfire Designs	115	Interarms	96	Police Bookshelf	27	W.C. Wolff Co.	102
Chapman Academy	102	Campbell Irwin Gunsmith	112	Ponssness Warren	97	World Class Pistols	85
Colorado School of Trade	118	International Shootist Inc.	91	Power Custom	15	Wyoming Arms	98
Colt	C4	J-Gar	120	Practical Pistol Service	118		
Combat Corner	76	J.A.F. Gunsmithing	103	Practical Tools Inc	89		

MICROWAVE FUDGE, delicious, inexpensive in 15 mins. Great for holidays! Send \$1.00 and SASE: D.A.R., 6 Salmon St, Newmarket, N.H. 03857.

SPECIAL PURPOSE AMMUNITION: BEEHIVE, MULTIPLEX tracers, bird bombs. Send \$1.00 for catalog to: **HORIZONS UNLIMITED**, 9208 Kingston Pike #195, Dept. AH, Knoxville, TN 37922.

Need credit, gold card, Visa, Master Card instant Credit Guaranteed. Acceptance, loans, available. Vision Corp. 910 Pine Street Apt #1, Eureka, Calif. 95501. Send SASE. 707-444-3659.

VODKA, GIN, BOURBON MASH etc. Make your own, tax free, for fun & profit. Plans, recipes \$5.00: **FBN INFOTECH**, P.O. Box 27234, Mpls, MN 55427.

EXCITE YOUR WIFE with easy and delicious venison recipes. Send \$3.00 for 6 recipes to: C. Kolf, 4478 Lincoln Ave, Rolling Meadows, IL 60008.

VIETNAM VETERANS. Gallantry Cross, Campaign Medal certificates. \$3.00 each, both \$5.00. Other forms available. List \$1.00, free with order. John Berndsen, 909 Noah, Ferguson, MO 63135.

POLICE EQUIPMENT

BULLET PROOF VEST- Class II-A Kevlar soft body armor. Will defeat the .45 ACP, .357 mag, 9mm, 00 Buck and knife attack. Tested at the Aberdeen Proving Grounds by the U.S. Government Edgewood Arsenal. Front and back protector \$200.00. Side panels: \$40.00 per set. Trauma Plate \$35.00. Sized S, M, L, XL. MPS Co., 1441 West John St., Matthews, NC 28105. (704)847-8793. Established 1970.

SPECIAL PRICES SECOND CHANGE and other **POLICE PRODUCTS:** Criminal Justice/Security personnel only (verified)! Send long SASE for products listing or call (309)755-0551. Departmental Bid requests accepted. **Police Officer owned/operated. ASLET MEMBER. FIREARMS/SELF DEFENSE CONSULTANTS, BOX 873(A), East Moline, IL 61244.**

LAW ENFORCEMENT badge and patch collectors send \$1 for list or \$8.00 for 12 monthly lists. Baird, Dept 4391, Box 7638, Sunnymead, CA 92303.

LAW ENFORCEMENT badge and patch collectors send \$1. for list or \$6 for 12 monthly lists. Baird, Dept. H890, Box 7638, Sunnymead, CA 92303.

MADE IN THE U.S.A., "Super Thunder" the 70,000 volt "STUN GUN". Protect yourself with electronic technology. **Just \$64.95.** For info or to order send check or money order to: Associated Sales Co., P.O. Box 6293, Dept. 28, Fullerton, CA 92634 (void where prohibited).

Police Applicants. Learn the dynamics of becoming a **Police Officer.** Professional video guides you through the written exam, fitness test, polygraph and oral board. Free copy of *Police Career Digest* with your order. \$40.00 MasterCard/ VISA accepted. **LaserTech Productions Inc.**, Dept. AH, Box 1717, Eaton Park, FL 33840.

REAL ESTATE

MONTANA MAGNIFICENT! MAJESTIC! Own 20 acres or more, some bordering national forest. Private hunting, fishing, beautiful timber, creeks, ponds, mountain meadows from \$299.00/acre. **BEAVER CREEK LAND CO.**, PO Box 1509-AHG, Noxon, Montana 59853. (406)847-2421.

\$100.00 DOWN Wyoming 40 Acres, Borders BLM, excellent antelope hunting, \$99.00/mth. Money back guarantee. No qualifying. Owner financing. Phone 805-834-9934.

REPOSSESSED VA & HUD HOMES available from \$1 without credit check. Your repair. Also S&L bailout properties. Call 1-805-682-7555 Ext. H-2832 for repo list your area.

SURVIVAL

STAY ALIVE- Survival kit plans for any environment. Specify the geographical location you need plans for. Send \$5.00 to: **SURVIVAL PLANS**, P.O. Box 99236, Tacoma, WA 98499.

Learn to make bombs and booby traps at home. Send \$2.00, SASE to: "Recipes-M", P.O. Box 812, Judsonia, AR 72081.

WANTED TO PURCHASE

Ideas, inventions, new products! One of American's leading invention firms can help you submit to industry Call toll free 1-800-288-IDEA.

Attention Final Option Owners!

New Device Adds Versatility To Safariland's Final Option Holster

Highlander Supply has recently patented a unique device that allows the famous Final Option holster to be adjusted throughout a wide range of angle and height choices.

The Final Option is the winningest "action" holster on the market, but its otherwise flawless performance is hindered only by a relatively small degree of adjustment—no more!

The Highlander device is a "plate" of thick plastic with dozens of holes drilled to fit the Final Option's screw attachments.

The shooter can now move his Final Option to virtually any cant or height and then secure the holster body to the Highlander device permanently.

A test sample used at *American Handgunner* is rugged and strong, however, we found the instructions overly complicated. For more info, call Bud Bond at (303) 221-3736.



INSIDER

Continued from page 126

ty Firearms Inc.) and EAA (European American Armory) are now handling the guns that FIE formerly distributed. Specifically, EAA has the **Tanfoglio** line of Italian-made versions of the CZ-75 as well as the line of .22 single-action revolvers.

Says an EAA press release, "We are the exclusive importer of the full line of Tanfoglio products. These products were previously imported by FIE or Excam. EAA is in no way connected with these past companies nor are we responsible for their problems, debts, etc."

QFI is manufacturing single-action revolvers in their Florida plant, including The Horseman and The Dark Horseman. The Horseman is available in .357, .41 and .44 Magnum and the Dark Horseman comes in .44 Magnum and .45 Colt. The other QFI single-actions continue the FIE heritage of .22 LR affordable plinkers for the Western traditionalist.

QFI retains the FIE mainstays of inexpensive semi-autos in .25 and .22, plus the modestly priced DA revolvers of **Arminius**.

If you're having trouble finding a **Colt Anaconda** .44 Magnum, hang in there because the new and improved model is forthcoming. Apparently Colt determined that the accuracy was not up to their stringent standards and so halted production until they could enhance the Anaconda's strike.

Also, six-inch blue Pythons may be scarce until **Colt** completes a contract for 800 of the elite snakes for the Kuwait government. Armed with brand-new Colt M-16A2's and Pythons, the Kuwaiti army surely must be drinking Perrier from their canteens and driving Mercedes jeeps!

Anti-hunting activist Clint Eastwood (*White Hunter, Black Heart*) received a Colt Frontier Model revolver from the estate of Sammy Davis Jr. The Colt was one of Sammy's prized possessions.

If you're interested in Aimpoint-sighted IPSC pistols, you might want to check out the new aluminium mount (1.5 ozs.) from Bill Hamilton at **CPMI**.

Naturally the mount for 1911 and P-9 pistols comes in Goofy Grape and other wild colors for the image-conscious shooter. The Hamilton mount attaches to the dust cover after drilling and tapping the necessary holes. For more info, call **Denny's Shooters Supply** at (319) 277-3171.

I'm very pleased to announce that my good friend and colleague John Taffin has been named the new chairman of the **Outstanding American Handgunner Awards Foundation**. This is a high honor indeed and I know you will all join me in wishing John the very best of luck.



INTRODUCING THE NEW RWS GAMO COMPACT

The **RWS Gamo Compact Air Pistol** is a stylish affordable match air pistol that will please even the most discriminating shooter. Anyone looking for a club air pistol need not look any further.

Available in .177 caliber only the **RWS Gamo Compact** features include...

- Walnut adjustable grips.
- Two-stage adjustable trigger.
- Swiveling trigger shoe.
- Adjustable rear sight.
- Rifled barrel.
- Left-hand versions.



Technical Data:

- Total l. - 12.6"
- Barrel l. - 8.3"
- Wt. lbs. - 1.94
- Vel. - 430 ft/s
- Trigger pull - 1.65
- Cocking effort - 20

Dynamit Nobel-RWS is proud to be the exclusive distributor in the U.S. for **GAMO Precision Air Rifles** and **Air Pistols**. As with all RWS airguns, RWS GAMO Airguns will be protected with a **Full Lifetime Warranty**.

For a closer look at the complete selection of RWS GAMO Airguns see your local dealer, and to make that visit easier send for our latest catalog today. Send \$1.00 for 3rd class, \$2.00 for 1st class delivery to:



DYNAMIT NOBEL - RWS INC.

105 STONEHURST COURT
NORTHVALE, NJ 07647-0962

SEND \$2.00 FOR NEW 1991 CATALOG

REFUNDABLE WITH PURCHASE



Ajax Grips are available for most makes and models of handguns.

Dealer Inquiries Invited.

AJAX CUSTOM GRIPS, INC.

11311 STEMMS FREEWAY, SUITE 5
DALLAS, TEXAS 75229

(214) 241-6302

FOR ORDERS ONLY CALL OUR
TOLL FREE NUMBER
1-800-527-7537

RUGER GOES SYNTHETIC WITH MK. II PISTOL AND CHAMBERS P-89 IN .45

Despite scurrilous rumors to the contrary, everything is copesetic at the **FBI Firearms Training Unit**. Some loose tongues have been flapping that the famous FBI ballistic test, which resulted in the Bureau switching to 10mm, had been faked.

Balderdash says John Hall, former Unit Chief and developer of the revolutionary ballistic test. "It's ironic that now that we document the test so thoroughly, some people question it. Before we just issued reports and no one said anything. Now we document literally every round fired," Hall told the *Insider*.

"We published the results of our test and the methods we used, right down to how to mix the gelatin. Anyone who wants is free to duplicate the test. That's how I answer those who question our results," Agent Hall said.

One of the most competent professionals in the PR business is now managing media relations for **Sturm, Ruger & Co.** Mike Bussard recently hung his hat in the Ruger plant in Prescott, Ariz., and his capable hand is already being felt. Mike reports that two exciting new semi-autos will be introduced at the NRA Show, a .45 and .40 S&W.

"The P-85 is officially dead. What we have now is the P-89 series," Ruger's new spokesman said. He is referring to the enhanced performance and improved features found on the upgraded P-89 that resulted from the product recall of all P-85s following an alleged safety defect in the firing pin.

The new .45 caliber version of the P-89 will be called the P-90 and the .40 S&W chambering will be known as the P-91. Samples should be heading to your Ruger dealer by the time this sees the printer's ink.

But that's not all the news from **Ruger**. A new Mk. II .22 pistol is coming with a— get this!— synthetic frame! Mike Bussard demurred to my use of the word "plastic" to describe the frame. Mike said that "composite resin" is the preferred terminology.

Other than a reduction in weight, there should be, theoretically, a reduction in price. Mike said one of the advantages of composite resin is that it is much cheaper to manufacture than steel parts.

During the Desert Storm ass-whipping, *American Handgunner* sent over a parcel of magazines to our victorious troops. We were glad to contribute to the

esprit de corps of our soldiers.

However, we were hoping to get some combat reports on the **Beretta** versus **Colt**, but those "elite Republican Guards" kept surrendering before our boys could check the penetration of the 9mm vs. .45.

But **Colt** emerged a winner from the romp in the sand. Following the "Mother Of All Surrenders" Colt came away with a juicy contract for 12,000 M-16A2 rifles. Colt's savvy new president Ron Stilwell effused that the award is the first of what he hopes will be many announcements signaling Colt's return as an active supplier for the US Government.

Regular readers of this column will recall that Colt lost the M-16 contract to **Fabrique Nationale** last year after bidding \$470 per gun against FN's \$420. To gain the new 12,000 gun order, Colt bid about \$420 on the contract, according to Colt's government liaison, Jim Griffin.

Holsters designed for concealed carry, I've found, require a minimum of six weeks daily wear before you can pass judgement on their quality. Well, I have been wearing the new **Milt Sparks** "Executive Companion" version of the famous Summer Special for a Colt Officers Model for well over four months now and I can tell you that it's the most comfortable and accessible inside-the-pants (ITP) holster I've ever tried. It's a top quality rig in every respect.

Tony Kanaly, designer of the Sparks' Roadrunner, conceived the idea of incorporating the best features of other holsters with the proven Summer Special. To eliminate the annoying tendency of ITP holsters to collapse when the gun is removed, making re-holstering an awkward, two-hand proposition, Tony installed a non-collapsible steel band in the top of the holster to hold it open. This is the first ITP design I've tried that allows for easy, eyes-off, one-hand reholstering.

The new Executive Companion comes with interchangeable belt loop fasteners so you can switch from 1" to 1½" wide belts and still have a proper holster-to-belt fit. Additionally, the backside of the new Sparks holster incorporates a "paddle" so that the holster snugs up against the small of your back with greater comfort. To obtain a catalog for the entire line of Milt Sparks holsters, drop them a line at P.O. Box 187, Idaho City, ID 83631.

I just read a brilliant little essay on **Smith & Wesson** revolver actions by gunsmith **Bob Lloyd**. It's only six pages

long, but it really explains what goes into an "action job" and, more importantly, why. Send Bob a self-addressed stamped envelope and a buck for his trouble and he'll send you his most interesting treatise, "Smith & Wesson Revolver Action Tuning." The address is 1928 McDowell Dr., Huntsville, AL 35803.

Colt sporting handguns are now shipped from the factory in a custom molded plastic case with a convenient carrying handle. It is packed in "a handsomely designed paper board box" featuring historic Colt advertisements "printed in stylish rotogravure brown," according to a Colt press release.

The innovative Canadian manufacturer **Para-Ordnance** has completed work on their .38 Super high-capacity 1911-style pistol. This remarkable new pistol of the familiar Browning pattern holds an amazing 18 rounds of potent .38 Super ammunition in a double-column magazine, but at the same time the Para-Ordnance engineers cleverly kept the grip's girth very slim.

Don't be put off by the fact that some after-market attempts at converting Para-Ordnance magazines to .38 Super have not been entirely successful. This is the real McCoy, and the new Para-Ordnance .38 Super comes with magazines specifically designed for the cartridge.

One of the marvelous things about the gun industry is that no one ever leaves, they just switch chairs. A good case in point is Gary French, former president of **Colt**, former president of **Ruger** who is now president of **Bianchi International**.

A nice homecoming might be awaiting Gary from his former VP of marketing when he was at Colt, Bob Morrison. Bob switched chairs two years ago when he left Colt to work for the world's largest leathermaker.

After hanging tough for quite awhile, **Kimber Of Oregon** finally chucked in the towel. The fine gunmaker that specialized in high-dollar hunting rifles finally shut its doors after struggling valiantly to recover from Chapter 11 bankruptcy protection. The U.S. National Bank of Portland, a primary creditor to the defunct gunmaker, told the *Insider* that it had no comment on the situation because legal action is pending.

The newest member of **Team Colt** is Debby James, the lovely lady who has won an unprecedented two IPSC Ladies World Championships and four back-to-back Ladies National Championships. I first met Debby in 1986 at the Nationals in Dallas when we were squaddied together. She was basically a "no name" shooter then and it's been a real pleasure to see her career rise ever since to this new pinnacle. Congratulations, Debby!

Those of you who lamented the passing of **FIE** late last year will be pleased to know that two gun companies have arisen from the ashes of FIE. **QFI** (Quali-

Continued on page 124

TEAM SPRINGFIELD CAPTURES STILL ANOTHER WORLD CHAMPIONSHIP.

Team Springfield's championship tally for the 1990 season includes:



Doug Koenig

- Winner, 1990 IPSC World Championship (*Springfield P9*)
- Winner, 1990 Bianchi Cup and Bianchi Cup Speed Event with the first perfect score ever recorded (*Springfield 1911-A1*)
- 2nd Place and Top Professional, 1990 Masters International Pistol Championship (*Springfield 1911-A1*)
- 5th Place, 1990 USPSA National Championship (*Springfield 1911-A1*)
- 6th Place, 1990 Steel Challenge World Speed Shooting Championship (*Springfield 1911-A1*)



Rob Leatham

- 2nd Place, 1990 USPSA National Championship (*Springfield P9*)
- 3rd Place, 1990 IPSC World Championship (*Springfield P9*)
- 5th Place, 1990 Steel Challenge World Speed Shooting Championship (*Springfield 1911-A1*)

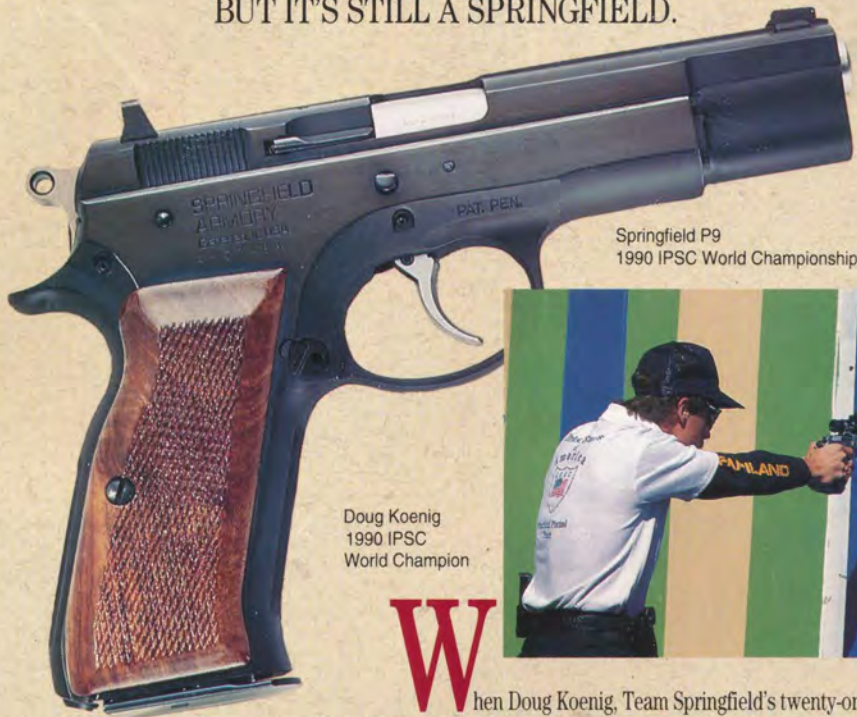


Allen Fulford

- U.S. Civilian Bullseye Champion, 1990 Camp Perry National Matches, his fourth national championship (*Springfield 1911-A1*)
- Winner, 1990 Masters International Pistol Championship, the first shooter to win the Masters title twice (*Springfield 1911-A1*)

"BEST IN THE WORLD"

MIGHT LOOK A LITTLE DIFFERENT TODAY...
BUT IT'S STILL A SPRINGFIELD.



Springfield P9
1990 IPSC World Championship Pistol

Doug Koenig
1990 IPSC
World Champion



W

hen Doug Koenig, Team Springfield's twenty-one year old speed merchant, won the 1990 IPSC World Championship using a Springfield P9, he broke several old traditions and solidly established three very important new facts of life in the fast paced world of IPSC shooting:

First...Even though the tried and true Springfield 1911-A1 in traditional .45 ACP or .38 Super is still a bonafide winner, it's not the only winner. Now competitors have an option—the high quality, high capacity Springfield P9, the only double action 9mm pistol that's a proven winner.

Second...with the right combination of talent, determination, hard work and championship caliber equipment, the road to a major world championship is open to anyone with the commitment to pursue his dreams.

Third...Springfield Armory is still America's gold medal winner. We're America's leading manufacturer of premium grade, competition proven firearms. Our record proves it; Doug's performance with a P9 confirms it.

Want to be a winner? Now you have two options: The 1911-A1 or the new P9. They're both Springfields...your only real choice.

The Oldest Name In American Firearms

SPRINGFIELD ARMORY®



Section SR-40 • 420 West Main Street • Geneseo, IL 61254 • (309)944-5631



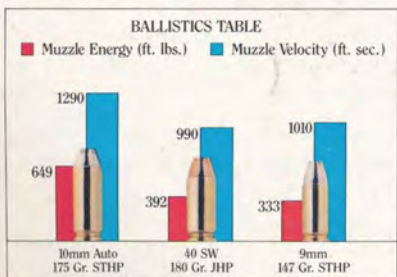
The Legend Lives, in a perfect 10.

Here is the smashing ballistic capability of the 10mm cartridge combined with the battle-proven reliability of the Colt Government Model® design. Among those needing ultrahigh-power performance in a semiautomatic pistol, the Colt Delta Elite has become an instant success.

We challenge you to compare 10mm ballistics with those of other popular semiautomatic pistol cartridges. The chart below tells the story, and effective range is easily far greater than the 40SW and 9mm rounds.

The Delta Elite has high-profile 3-dot sights for instant target acquisition, even under poor light conditions. And a combat-style hammer and beveled magazine well for positive reloading are standard features.

For extraordinary ballistic performance, rock-solid design, and time-tested reliability, the Delta Elite is the latest chapter in the Colt legend. Choose from three stainless steel models, the original blued model, and the new blued Gold Cup.



Ballistics are obtained from commercial sources and are for standard factory ammunition. Individual firearms may vary from these specifications.



COLT® The Legend Lives™

Colt's Manufacturing Company, Inc. P.O. Box 1868, Hartford, CT 06144-1868

Warning: Be a safe shooter — never chamber a round until you are ready to shoot. Always read and follow the instruction manuals which accompany each firearm. Free instruction manuals and catalogs are available from the factory on request.